SECTRON

Antennas?

Yessss!


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about SECTRON

since **1995**

We have been operating in the field of wireless technology since 1995 years as a distributor of GSM/UMTS/LTE/GPS/GLONASS modules, modems and routers. We are a manufacturer of antennas, cables and other accessories. The dynamic boom of high-speed and low-power LTE applications turns the Machine-to-Machine (M2M) world into a complex ecosystem of sensors, machines and network applications called the Internet of Things (IoT).

based in Czech Republic

operating worldwide

Content

Cellular antennas are primarily designed to receive celllular signals across wireless networks. Antennas enable cellular connection to modems, routers or cars. Cable types and lengths or closed end connectors are optional. Mounting options: Magnet Mount, Screw Mount, Connector Mount, Adhesive Mount, Solder PCB Mount.

Cellular antennas
5G / LTE / UMTS / GSM

Antenna 5G Embedded FLEX G152

ELECTRICAL DATA	
Frequency	700 – 6000 MHz
Technology	5G / 4G LTE / 3G UMTS / 2G GSM
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 5.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	120.0 × 50.0 × 0.2 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RF 1.37
Connector*	IPEX-MHF (f) R/A

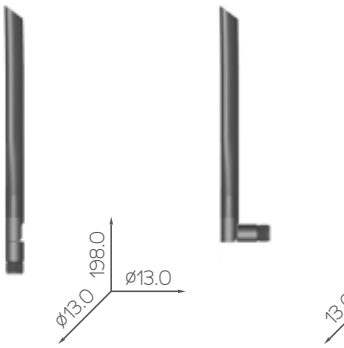
* Customizable Cable Types and Connectors

Antenna 5G Adhesive SA1

ELECTRICAL DATA	
Frequency	600 – 6000 MHz
Technology	5G / 4G LTE / 3G UMTS / 2G GSM
Gain	2.5 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	129.5 × 22.8 × 6.7 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna 5G Connector Mount G410NR



ELECTRICAL DATA	
Frequency	698 – 960 / 1710 – 2690 / 3300 – 3800 MHz
Technology	5G / 4G LTE / 3G UMTS / 2G GSM
Gain	3.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø13.0 × 98.0 mm / 37.3 × 13.0 × 175.0 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA (m)

Antenna 5G Connector Mount FSMAK

ELECTRICAL DATA	
Frequency	600 – 6000 MHz
Technology	5G / 4G LTE / 3G UMTS / 2G GSM
Gain	3.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.5:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	18.0 × 13.0 × 173.0 / 38.0 × 18.0 × 149.0 mm
Operating temperature	–20 °C ~ +70 °C
Connector	SMA (m)

Antenna 5G MIMO Screw Mount G605LM4

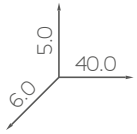
ELECTRICAL DATA	
Frequency	698 – 960 / 1710 – 2690 / 2900 – 3800 MHz
Technology	5G / 4G LTE / 3G UMTS / 2G GSM
Gain	3.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	189.0 × 182.0 × 85.0 + 22.7 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	4 × RG174/U
Connector*	4 × SMA (m)

* Customizable Cable Types and Connectors

Antenna 5G Pole Mount OM60

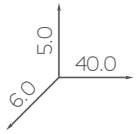
ELECTRICAL DATA	
Frequency	690 – 960 / 1710 – 2170 / 2400 – 2700 3300 – 3800 MHz
Technology	5G / 4G LTE / 3G UMTS / 2G GSM
Gain	5.3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	ø35.0 × 320.0 mm
Operating temperature	–40 °C ~ +85 °C
Connector	N (f)

Antenna LTE Embedded PIF01



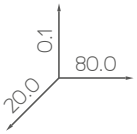
ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1800 / 1900 / 2100 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	0 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 4.0:1
MECHANICAL DATA	
Mounting	Soldering
Dimensions	40.0 × 6.0 × 5.0 mm
Operating temperature	–40 °C ~ +85 °C

Antenna LTE Embedded PIF02



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1800 / 1900 / 2100 / 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	0 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 4.5:1
MECHANICAL DATA	
Mounting	Soldering
Dimensions	40.0 × 6.0 × 5.0 mm
Operating temperature	–40 °C ~ +85 °C

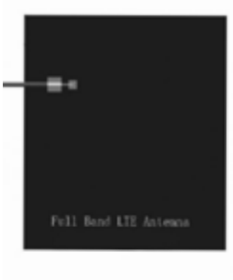
Antenna LTE Embedded FLEX 002

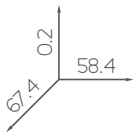


ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	0 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	20.0 × 80.0 × 0.1 mm
Operating temperature	–20 °C ~ +80 °C
Cable*	RF 1.37
Connector*	U.FL (f) R/A

* Customizable Cable Types and Connectors

Antenna LTE Embedded FLEX G139

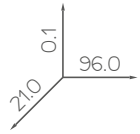




ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 1800 / 1900 / 2100 2400 / 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	58.4 × 67.4 × 0.2 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RF 1.13
Connector*	IPEX-MHF (f) R/A

* Customizable Cable Types and Connectors

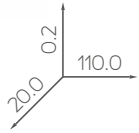
Antenna LTE Embedded FLEX 001



ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 1900 / 2100 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	3 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	96.0 × 21.0 × 0.1 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RF 1.37
Connector*	U.FL (f) R/A

* Customizable Cable Types and Connectors

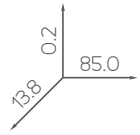
Antenna LTE Embedded FLEX G142



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 2400 / 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	3 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 3.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	110.0 × 20.0 × 0.2 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RF 1.13
Connector*	IPEX-MHF (f) R/A

* Customizable Cable Types and Connectors

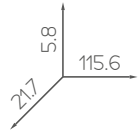
Antenna LTE Embedded FLEX G155



ELECTRICAL DATA	
Frequency	700 / 800 / 960 / 1700 / 2100 / 2400 / 2700 3300 / 3600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	5.2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	85.0 × 13.8 × 0.2 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RF 1.13
Connector*	IPEX-MHF (f) R/A

* Customizable Cable Types and Connectors

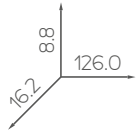
Antenna LTE Adhesive G017L



ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 1900 / 2100 / 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	115.6 × 21.7 × 5.8 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

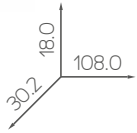
Antenna LTE Adhesive G108L



ELECTRICAL DATA	
Frequency	800 / 900 / 1700 /1800 / 1900 / 2100 / 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	2.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	126.0 ×16.2 × 8.8 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

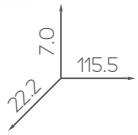
Antenna LTE Adhesive U25



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 2400 / 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	2.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.8:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	108.0 × 30.2 × 18.0 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

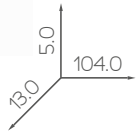
Antenna LTE Adhesive SA3



ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 2100 / 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	2.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	115.5 × 22.2 × 7.0 mm
Operating temperature	–20 °C ~ +60 °C
Cable*	RG174/U
Connector*	SMA-RP (m-pin)

* Customizable Cable Types and Connectors

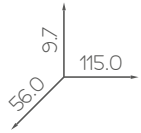
Antenna LTE Adhesive L25



ELECTRICAL DATA	
Frequency	690 / 960 / 1710 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	2.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	104.0 × 13.0 × 5.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna LTE Adhesive SA5



ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 / 2400 2500 / 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	3–5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	115.0 × 56.0 × 9.7 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG58/U
Connector*	SMA (m)

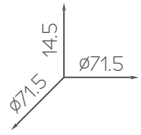
* Customizable Cable Types and Connectors

Antenna LTE Magnet Mount G016L

ELECTRICAL DATA	
Frequency	700 / 800 / 868 / 1800 / 1900 / 2100 / 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø29.4 × 121.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

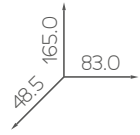
Antenna LTE Magnet Mount G018L



ELECTRICAL DATA	
Frequency	698 – 960 / 1710 – 2690 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø71.5 × 14.5 mm
Operating temperature	–20 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

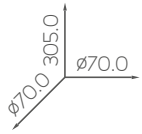
Antenna LTE MIMO Magnet Mount R44



ELECTRICAL DATA	
Frequency	700 / 960 / 900 / 1710 / 2170 / 2500 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	83.0 × 48.5 × 165.0 mm
Operating temperature	–20 °C ~ +60 °C
Cable*	2 × RG174/U
Connector*	2 × SMA (m)

* Customizable Cable Types and Connectors

Antenna LTE Magnet Mount 50



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 2500 / 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	3 – 5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø70.0 × 305.0 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG174/U
Connector*	SMA (m)

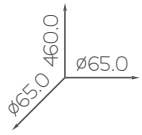
* Customizable Cable Types and Connectors

Antenna LTE Magnet Mount G024L

ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 / 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø40.0 × 311.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG58/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

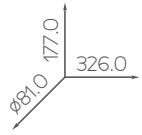
Antenna LTE Magnet Mount G825–1



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø65.0 × 460.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG58
Connector*	SMA (m)

* Customizable Cable Types and Connectors

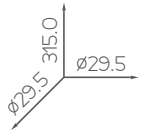
Antenna LTE MIMO Magnet Mount FLAT MT19



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 2300 / 2400 /2500 / 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	326.0 × ø81.0 × 177.0 mm
Operating temperature	–20 °C ~ +105 °C
Cable*	2 × RG58/U
Connector*	2 × SMA (m)

* Customizable Cable Types and Connectors

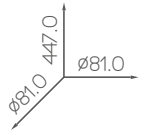
Antenna LTE Magnet Mount G124



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	6 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø29.5 × 315.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

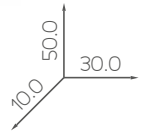
Antenna LTE Magnet Mount 90



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 2500 / 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	5 – 9 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.8:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø81.0 × 447.0 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna LTE Connector Mount TG09W



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 2100 / 2600 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.5:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø10.0 × 71.5 mm / 30.0 × 10.0 × 50.0 mm
Operating temperature	–20 °C ~ +80 °C
Connector	SMA (m)

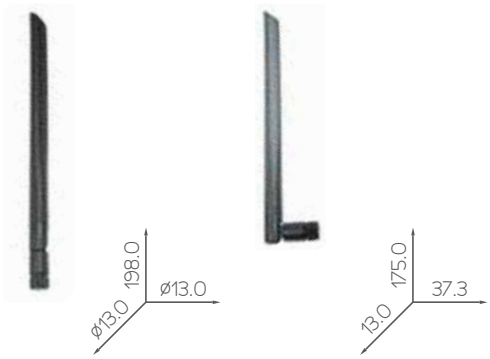
Antenna LTE Connector Mount FLAT 5

ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 1900 / 2100 / 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	24.0 × 13.0 × 193.0 mm
Operating temperature	–30 °C ~ +80 °C
Connector	SMA (m)

Antenna LTE Connector Mount FSMAK3

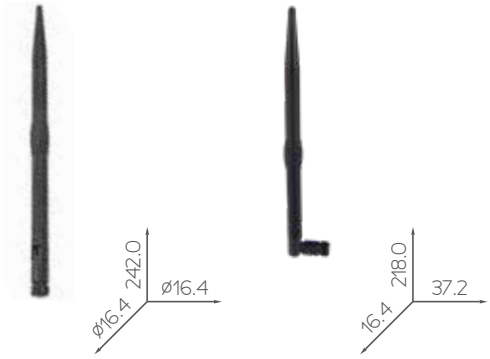
ELECTRICAL DATA	
Frequency	690 / 800 / 900 / 1800 / 1900 / 2100 / 2300 / 2400 2500 / 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	18.0 × 13.0 × 173.0 mm / 38.0 × 18.0 × 149.0 mm
Operating temperature	–10 °C ~ +50 °C
Connector	SMA (m)

Antenna LTE Connector Mount G410L



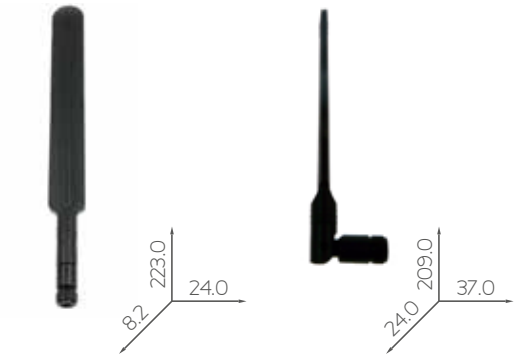
ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø13.0 × 198.0 mm / 37.3 × 13.0 × 175.0 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA (m)

Antenna LTE Connector Mount 405



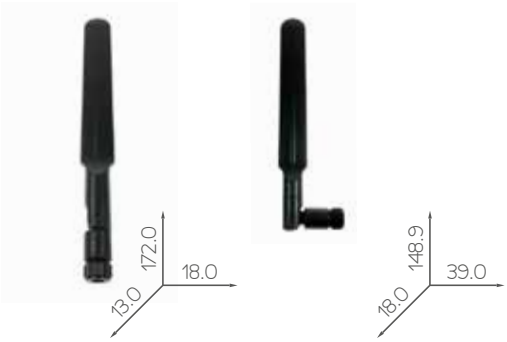
ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø16.4 × 242.0 mm / 37.2 × 16.4 × 218.0 mm
Operating temperature	–20 °C ~ +55 °C
Connector	SMA (m)

Antenna LTE Connector Mount FSMAK5



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 960 / 1800 / 1900 / 2100 / 2300 2400 / 2500 / 2600 / 2700MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	24.0 × 8.2 × 223.0 mm / 37.0 × 24.0 × 209.0 mm
Operating temperature	–10 °C ~ +50 °C
Connector	SMA (m)

Antenna LTE Connector Mount FLAT G913L



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 / 2400 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	18.0 × 13.0 × 172.0 mm / 39.0 × 18.0 × 148.9 mm
Operating temperature	–10 °C ~ +50 °C
Connector	SMA (m)

Antenna LTE Screw Mount R36

ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 2100 / 2500 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø54.4 × 24.6 + 18.3 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna LTE Screw Mount G046L

ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	2.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø81.3 × 14.6 + 15.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

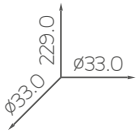
* Customizable Cable Types and Connectors

Antenna LTE MIMO Screw Mount G046LM

ELECTRICAL DATA	
Frequency	698 – 960 / 1710 – 2690 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	2.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø81.3 × 14.6 + 15.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	2 × RG174/U
Connector*	2 × SMA (m)

* Customizable Cable Types and Connectors

Antenna LTE Screw Mount FLAT MI3



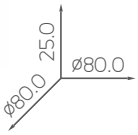
ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 / 2500 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø33.0 × 229.0 + 10.0 mm
Operating temperature	–40 °C ~ +60 °C
Connector	SMA (m)

Antenna LTE MIMO Screw Mount G605LM4

ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 / 2400 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	3.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	189.0 × 182.0 × 85.0 + 22.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	4 × RG174/U
Connector*	4 × SMA (m)

* Customizable Cable Types and Connectors

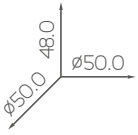
Antenna LTE MIMO Screw Mount R39



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	4 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø80.0 × 25.0 + 20.0 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	2 × RG174/U
Connector*	2 × SMA (m)

* Customizable Cable Types and Connectors

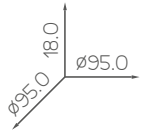
Antenna LTE Screw Mount G058



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1800 / 1900 / 2100 / 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	4 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 2.3:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø50.0 × 48.0 + 14.5 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG316/U/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

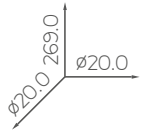
Antenna LTE Screw Mount Manhole R57



ELECTRICAL DATA	
Frequency	700 – 960 / 1710 – 2170 – 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM / WiFi
Gain	4.2 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 3.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø95.0 × 18.0 + 46.0 mm
Operating temperature	–30 °C ~ +75 °C
Cable*	RG58/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna LTE OMNI OM58



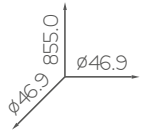
ELECTRICAL DATA	
Frequency	700 / 800 / 850 / 900 / 1700 / 1800 / 1900 / 2100 2300 / 2500 / 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	ø20.0 × 269.0 + 10.45 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG58/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna LTE OMNI OM56

ELECTRICAL DATA	
Frequency	690 / 800 / 900 / 1700 / 1800 / 1900 / 2100 2500 / 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.0:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	ø23.8 × 756 mm
Operating temperature	–30 °C ~ +90 °C
Connector	N (f)

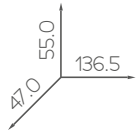
Antenna LTE OMNI OM57



ELECTRICAL DATA	
Frequency	700 / 800 / 850 / 900 / 1700 / 1800 / 1900 / 2100 2300 / 2500 / 2600 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	7 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	ø46.9 × 855.0 + 10 mm
Operating temperature	–20 °C ~ +60 °C
Cable*	RG195/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

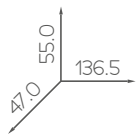
Antenna LTE Ceiling Mount W9



ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 / 2400 2500 / 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	1.3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Ceiling mounting
Dimensions	136.5 × 47.0 × 55.0 mm
Operating temperature	–20 °C ~ +60 °C
Cable*	RG316/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

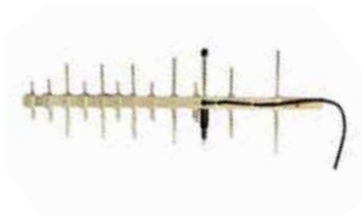
Antenna LTE MIMO Ceiling Mount W9



ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 / 2400 2500 / 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	4 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Ceiling mounting
Dimensions	136.5 × 47.0 × 55.0 mm
Operating temperature	–20 °C ~ +60 °C
Cable*	2 × RG316/U
Connector*	2 × SMA (m)

* Customizable Cable Types and Connectors

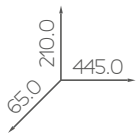
Antenna LTE YAGI 140



ELECTRICAL DATA	
Frequency	700 / 800 / 900 / 1700 / 1800 / 1900 / 2100 / 2500 2600 / 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM
Gain	14 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 3.5:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	540.0 × 180.0 × 26.6 mm
Operating temperature	–30 °C ~ +60 °C
Cable*	RG58/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna LTE Pole Mount XL7025



ELECTRICAL DATA	
Frequency	698 – 960 / 1710 – 2700 MHz
Technology	4G LTE / 3G UMTS / 2G GSM / WiFi
Gain	15 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	445.0 × 65.0 × 210.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG58/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

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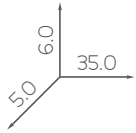
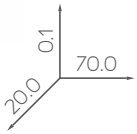
Antenna GSM/UMTS Embedded PA25



ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	4.6 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.5:1
MECHANICAL DATA	
Mounting	Soldering
Dimensions	35.0 × 5.0 × 6.0 mm
Operating temperature	–40 °C ~ +105 °C

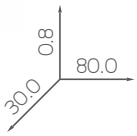
Antenna GSM/UMTS Embedded FLEX C14



ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	70.0 × 20.0 × 0.1 mm
Operating temperature	–20 °C ~ +80 °C
Cable*	RF 1.37
Connector*	U.FL (f) R/A

* Customizable Cable Types and Connectors

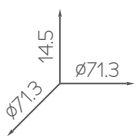
Antenna GSM/UMTS Embedded PC29



ELECTRICAL DATA	
Frequency	850 / 900 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2.5 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	80.0 × 30.0 × 0.8 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RF 1.37
Connector*	U.FL (f) R/A

* Customizable Cable Types and Connectors

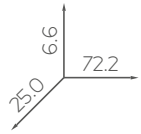
Antenna GSM/UMTS Adhesive G011



ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.5:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	ø71.3 × 14.5 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

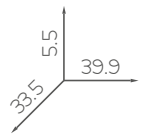
Antenna GSM/UMTS Adhesive G107



ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	72.2 × 25.0 × 6.6 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA-RP (f-pin)

* Customizable Cable Types and Connectors

Antenna GSM/UMTS Adhesive G117



ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	39.9 × 33.5 × 5.5 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

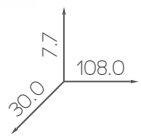
* Customizable Cable Types and Connectors

Antenna GSM/UMTS Adhesive G121

ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	113.0 × 19.8 × 6.2 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	MMCX (m)

* Customizable Cable Types and Connectors

Antenna GSM/UMTS Adhesive U25



ELECTRICAL DATA	
Frequency	800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.8:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	108.0 × 30.0 × 7.7 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna CDMA Magnet Mount A939

ELECTRICAL DATA	
Frequency	410 / 470 MHz
Technology	CDMA
Gain	0 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø30.0 × 170.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna CDMA MG45 SET

ELECTRICAL DATA	
Frequency	450 MHz
Technology	CDMA
Gain	1.28 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.6:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø81.0 × 179.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM/UMTS Magnet Mount G016

ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø29.4 × 121.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM/UMTS Magnet Mount 20

ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø34.0 × 101.0 mm
Operating temperature	–20 °C ~ +60 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM/UMTS Magnet Mount G821

ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.5:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø29.4 × 229.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

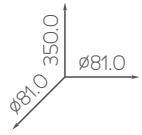
* Customizable Cable Types and Connectors

Antenna GSM/UMTS Magnet Mount 30

ELECTRICAL DATA	
Frequency	900 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø27.0 × 214.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

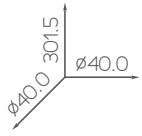
Antenna GSM/UMTS Magnet Mount 50



ELECTRICAL DATA	
Frequency	900 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø81.0 × 350.0 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG195/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM/UMTS Magnet Mount 50B



ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.8:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø40.0 × 301.5 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM/UMTS Magnet Mount MG6

ELECTRICAL DATA	
Frequency	900 / 1800 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	6 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø50.0 × 331.1 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG58/U
Connector*	N (m)

* Customizable Cable Types and Connectors

Antenna GSM/UMTS Magnet Mount G825

ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	7 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø70.2 × 675.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA-RP (f-pin)

* Customizable Cable Types and Connectors

Antenna GSM/UMTS Magnet Mount 90

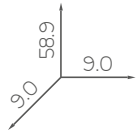
ELECTRICAL DATA	
Frequency	900 / 1800 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	9 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.8:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø70.0 × 449.5 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG58/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM/UMTS Connector Mount FMEV

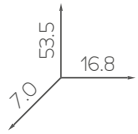
ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	0 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.8:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	10.0 × 64.3 mm
Operating temperature	–30 °C ~ +90 °C
Connector	FME (f)

Antenna GSM/UMTS Connector Mount G401–1S



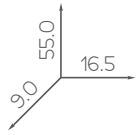
ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.5:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	9.0 × 58.9 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA (m)

Antenna GSM/UMTS Connector Mount SMRS



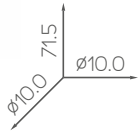
ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.5:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	16.8 × 7.0 × 53.5 mm
Operating temperature	–30 °C ~ +90 °C
Connector	SMA (m) R/A

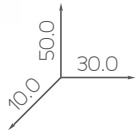
Antenna GSM/UMTS Connector Mount G401–1R



ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.5:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	16.5 × 9.0 × 55.0 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA (m) R/A

Antenna GSM/UMTS Connector Mount TG09





ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø10.0 × 71.5 mm / 30.0 × 10.0 × 50.0 mm
Operating temperature	–20 °C ~ +60 °C
Connector	SMA (m)

Antenna GSM/UMTS Connector Mount SMAK

ELECTRICAL DATA	
Frequency	900 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.8:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	Ø10.0 × 108 mm / 30.7 × 10.0 × 87.0 mm
Operating temperature	–30 °C ~ +90 °C
Connector	SMA (m)

Antenna GSM/UMTS Connector Mount G410

ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø12.9 × 197.0 mm / 37.3 × 12.9 × 173.0 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA (m)

Antenna GSM/UMTS Screw Mount G008

ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.5:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø81.3 × 14.6 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM/UMTS Screw Mount MI5

ELECTRICAL DATA	
Frequency	900 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø33.0 × 351.0 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG195/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna CDMA Wall Mount MA80

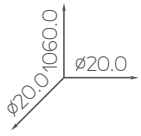
ELECTRICAL DATA	
Frequency	450 MHz
Technology	CDMA
Gain	7 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.05:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	ø20.0 × 506.5 mm
Operating temperature	–20 °C ~ +60 °C
Cable*	RG58/U
Connector*	FME (f)

* Customizable Cable Types and Connectors

Antenna CDMA OMNI OM55

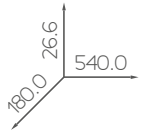
ELECTRICAL DATA	
Frequency	410 / 470 MHz
Technology	CDMA
Gain	7 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	ø22.4 × 1000.0 mm
Operating temperature	–30 °C ~ +90 °C
Connector	N (f)

Antenna GSM/UMTS OMNI OM59



ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	7 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	ø20.0 × 1060.0 mm
Operating temperature	–30 °C ~ +90 °C
Connector	N (f)

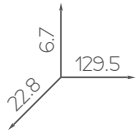
Antenna GSM/UMTS YAGI 100



ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 1900 / 2100 MHz
Technology	3G UMTS / 2G GSM
Gain	10 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	540.0 × 180.0 × 26.6 mm
Operating temperature	–30 °C ~ +60 °C
Cable*	RG58/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

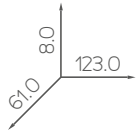
Antenna GSM Adhesive 25



ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 MHz
Technology	2G GSM
Gain	2.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	129.5 × 22.8 × 6.7 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM Adhesive FLAT SAT



ELECTRICAL DATA	
Frequency	900 / 1800 MHz
Technology	2G GSM
Gain	2.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.8:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	123.0 × 61.0 × 8.0 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG174/U
Connector*	SMA (m)

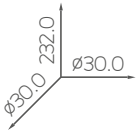
* Customizable Cable Types and Connectors

Antenna GSM Magnet Mount 25

ELECTRICAL DATA	
Frequency	900 / 1800 MHz
Technology	2G GSM
Gain	2.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.5:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø26.7 × 116.7 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM Magnet Mount 30



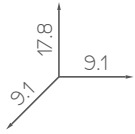
ELECTRICAL DATA	
Frequency	900 / 1800 MHz
Technology	2G GSM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.8:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø30.0 × 232.0 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM Connector Mount FMER

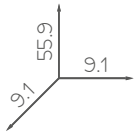
ELECTRICAL DATA	
Frequency	900 / 1800 / 1900 MHz
Technology	2G GSM
Gain	0 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.8:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	24.0 × 10.0 × 53.0 mm
Operating temperature	–30 °C ~ +90 °C
Connector	FME (f) R/A

Antenna 900 MHz Connector Mount MINI SMVS1



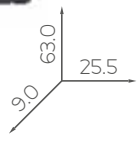
ELECTRICAL DATA	
Frequency	only 900 MHz
Technology	2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.3:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	9.1 × 17.8 mm
Operating temperature	–30 °C ~ +90 °C
Connector	SMA (m)

Antenna GSM Connector Mount SMVS



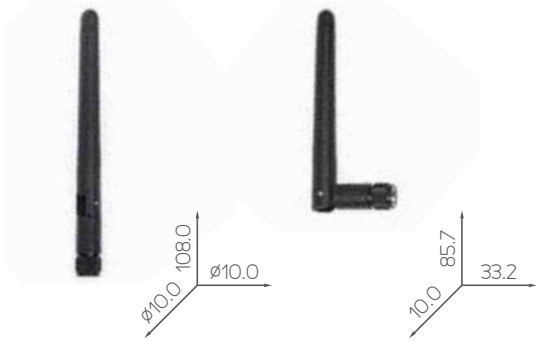
ELECTRICAL DATA	
Frequency	900 / 1800 MHz
Technology	2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.5:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	9.1 × 55.9 mm
Operating temperature	–20 °C ~ +60 °C
Connector	SMA (m)

Antenna GSM Connector Mount SMAK2



ELECTRICAL DATA	
Frequency	900 / 1800 MHz
Technology	2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.8:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø9.0 × 78.5 mm / 25.5 × 9.0 × 63.0 mm
Operating temperature	–20 °C ~ +80 °C
Connector	SMA (m)

Antenna GSM Connector Mount G402



ELECTRICAL DATA	
Frequency	900 / 1700 / 1800 / 1900 MHz
Technology	2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.5:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	Ø10.0 × 108 mm / 33.2 × 10.0 × 85.7 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA (m)

Antenna GSM Connector Mount FMEK

ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 1900 / 2100 MHz
Technology	2G GSM
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.5:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø9.3 × 114.0 mm / 37.9 × 9.3 × 87.0 mm
Operating temperature	–20 °C ~ +60 °C
Connector	FME (f)

Antenna GSM Screw Mount R36

ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 1900 / 2100 MHz
Technology	2G GSM
Gain	0 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø52.7 × 27.4 + 15.4 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM Screw Mount R32

ELECTRICAL DATA	
Frequency	900 / 1800 / 1900 / 2100 MHz
Technology	2G GSM
Gain	0 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.7:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	38.0 × 53.0 × 30.0 + 19.0 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM Screw Mount MI3

ELECTRICAL DATA	
Frequency	900 / 1800 MHz
Technology	2G GSM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø32.2 × 140.0 + 10.0 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG58/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM Screw Mount MI7

ELECTRICAL DATA	
Frequency	900 / 1800 MHz
Technology	2G GSM
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø33.0 × 451.0 + 10.0 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG174/U
Connector*	MMCX (m)

* Customizable Cable Types and Connectors

Antenna GSM Screw Mount MI9

ELECTRICAL DATA	
Frequency	900 / 1800 MHz
Technology	2G GSM
Gain	6 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø33.0 × 334.0 + 10.0 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG58/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM YAGI 120

ELECTRICAL DATA	
Frequency	900 / 1800 MHz
Technology	2G GSM
Gain	12 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	300.0 × 196.0 × 26.4 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG58
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antennas in this category are precisely tuned for ISM frequency bands used by certain technologies.

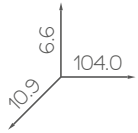
ISM (industrial, scientific and medical) bands are bands intended for radio broadcasting in various branches of industry, healthcare and others. The most common uses of ISM bands are low-power, short-range transmissions designed for M2M or IoT (Internet of Things) communications. One of the most widespread IoT networks is Sigfox, which operates in the 868 MHz ISM band as well as the LoRa network (LoRAWAN).

Almost every modern device in smart homes uses WiFi 2.4GHz (or WiFi 5 GHz) technology, Bluetooth or wireless telephony. In the next few years, it is likely that WiFi 60 GHz (WiGig, known as IEEE 802.11ad) operating in the 60 GHz ISM band will gain popularity for extremely high throughput between devices. Examples may include ultra-HD transmissions, 4K video streaming and extremely fast wireless data transfer between devices. Speaking of households, we can't forget other technologies like Zigbee in the 915 MHz and 2.4 GHz ISM bands for remote control and communication between low-power and short-range devices.

Another sector is RFID and NFC. For example, every day we use wireless payment systems. The RFID or NFC chip is located in your credit card or in your tag, which is designed for attendance system, personnel identification. And this is just a handful of selected examples.

ISM antennas

Antenna ISM Adhesive FLAT SAT



ELECTRICAL DATA	
Frequency	868 MHz
Technology	ISM
Gain	2.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.5:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	104.0 × 10.9 × 6.6 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna ISM Magnet Mount MG3

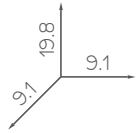
ELECTRICAL DATA	
Frequency	868 MHz
Technology	ISM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø30.0 × 224.0 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna ISM Connector Mount SMVS

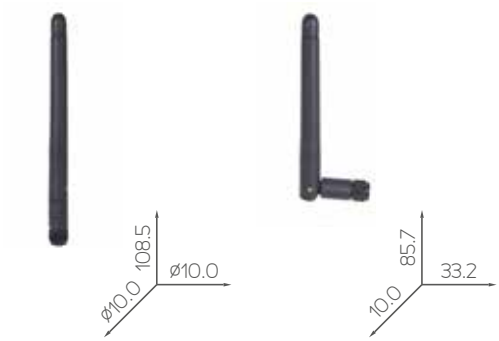
ELECTRICAL DATA	
Frequency	169 MHz
Technology	ISM
Gain	0 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø12.7 × 120.0 mm
Operating temperature	–20 °C ~ +55 °C
Connector	SMA (m)

Antenna ISM Connector Mount MINI SMVS



ELECTRICAL DATA	
Frequency	868 MHz
Technology	RFID / SigFox / LoRa
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.3:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	9.1 × 19.8 mm
Operating temperature	–20 °C ~ +60 °C
Connector	SMA (m)

Antenna ISM Connector Mount G402



ELECTRICAL DATA	
Frequency	868 MHz
Technology	ISM / LoRa / ZigBee
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.5:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø10.0 × 108.5 mm / 33.2 × 10.0 × 85.7 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA (m)

Antenna ISM Connector Mount G015

ELECTRICAL DATA	
Frequency	868 MHz
Technology	ISM / LoRa / Sigfox
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	16.8 × 9.2 × 87.2 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA (m)

Antenna ISM Connector Mount 649B

ELECTRICAL DATA	
Frequency	868 / 915 MHz
Technology	ISM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.48:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø20.0 × 208.0 mm
Operating temperature	–30 °C ~ +80 °C
Connector	N (m)

Antenna ISM Connector Mount G410–3

ELECTRICAL DATA	
Frequency	915 MHz
Technology	ISM
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	Ø13.0 × 195.0 mm / 37.5 × 13.0 × 171.0 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA (m)

Antenna ISM Connector Mount G410

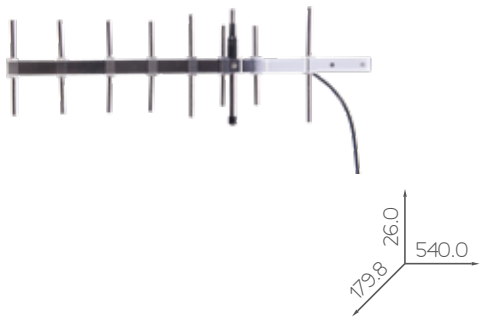
ELECTRICAL DATA	
Frequency	868 MHz
Technology	ISM / ZigBee / LoRa / SigFox
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	Ø12.9 × 197.0 mm / 37.3 × 12.9 × 173.0 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA (m)

Antenna ISM Screw Mount R36

ELECTRICAL DATA	
Frequency	433 / 868 MHz
Technology	ISM / LoRa / Sigfox
Gain	–10 dBi / 2.72 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.2:1 / < 1.8:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø54.4 × 28.7 + 14.2 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna ISM YAGI 100



ELECTRICAL DATA	
Frequency	868 MHz
Technology	ISM / LoRa / Sigfox
Gain	10 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	540.0 × 179.8 × 26.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG58/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

SECTRON has been producing tailor-made Cable Adaptors since 1995!

Are you in need of a custom solution? Enjoy our Cable Adaptor Configurator as a simple configuration tool which is extremely user friendly, allowing pigtail solutions to be quickly configured to your needs.

Our portfolio offers a complete range or coax cables and high-quality RF connectors: BNC, FAKRA, FME, GSC, HFL, IPEX-MHX, MC CARD, MCX, MCX-RP, MMCX, N, SMA, SMA-RP, SMB, SMP, TNC, U.FL.

Cable Adaptor Configurator

WiFi (or WiFi) is wireless network technology, based on the IEEE 802.11 standard. WiFi technology is used for local area networking of devices and Internet access.

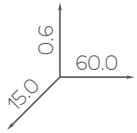
WiFi uses multiple parts of the IEEE 802 protocol family and is designed to seamlessly interwork with its wired sibling Ethernet. WiFi devices can network through wireless access points to each other as well as to wired devices and the Internet. The different versions of WiFi are specified by various IEEE 802.11 protocol standards, with the different radio technologies determining radio bands, maximum ranges, and speeds that may be achieved. WiFi most commonly uses the 2.4 gigahertz (120 mm) UHF and 5 gigahertz (60 mm) SHF ISM radio bands.

WiFi antennas are designed to receive WiFi signals. These antennas are primarily intended for households to connect home entertainments equipped with communication devices such as a modem or router wirelessly, but we also offer options for industrial areas. An access point compliant with either 802.11b or 802.11g, using the stock omnidirectional antenna might have a range of 100 m. The same radio with an external semi parabolic antenna (15 dB gain) with a similarly equipped receiver at the far end might have a range over 30 km.

WiFi antenna could have multiple types of connectors and you can also choose the type and length of the cable. Mounting options: Magnet Mount, Screw Mount, Connector Mount, Adhesive Mount, Solder PCB Mount. We offer Omni-Directional antennas as well as directional antennas for long distance WiFi.

WiFi antennas

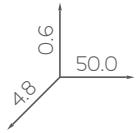
Antenna WiFi Embedded W414



ELECTRICAL DATA	
Frequency	2.4 / 5.8 GHz
Technology	WiFi
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.2:1 / < 2.0:1
MECHANICAL DATA	
Mounting	Patch
Dimensions	60.0 × 15.0 × 0.6 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RF 1.13
Connector*	IPEX-MHF (f) R/A

* Customizable Cable Types and Connectors

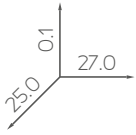
Antenna WiFi Internal PC15



ELECTRICAL DATA	
Frequency	2.4 / 5 GHz
Technology	WiFi
Gain	3.5 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Soldering
Dimensions	50.0 × 4.8 × 0.6 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RF 1.13
Connector*	IPEX-MHF (f) R/A

* Customizable Cable Types and Connectors

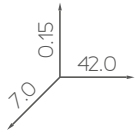
Antenna WiFi Internal FLEX 70



ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	1.5 dBi
Directivity	Omni -directional
Polarization	Linear
VSWR	< 1.5:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	27.0 × 25.0 × 0.1 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RF 1.37
Connector*	U.FL (f) R/A

* Customizable Cable Types and Connectors

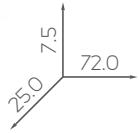
Antenna WiFi Embedded FLEX 71



ELECTRICAL DATA	
Frequency	2.4 / 5 GHz
Technology	WiFi
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 3.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	42.0 × 7.0 × 0.15 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RF 1.37
Connector*	U.FL (f) R/A

* Customizable Cable Types and Connectors

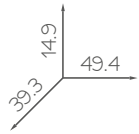
Antenna WiFi Adhesive W107



ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	72.0 × 25.0 × 7.5 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA-RP (f-pin)

* Customizable Cable Types and Connectors

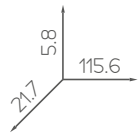
Antenna WiFi Adhesive W001



ELECTRICAL DATA	
Frequency	2.4 GHZ
Technology	WiFi
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.5:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	49.4 × 39.3 × 14.9 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	MCX (m)

* Customizable Cable Types and Connectors

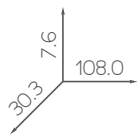
Antenna WiFi Adhesive G017W



ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	115.6 × 21.7 × 5.8 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA-RP (f-pin)

* Customizable Cable Types and Connectors

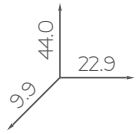
Antenna WiFi Adhesive U25



ELECTRICAL DATA	
Frequency	2.4 / 5.8 GHz
Technology	WiFi
Gain	4 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 1.8:1
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	108.0 × 30.3 × 7.6 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG316/U
Connector*	SMA-RP (f-pin)

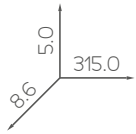
* Customizable Cable Types and Connectors

Antenna WiFi Connector Mount FFZR



ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi / Bluetooth
Gain	0 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.8:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	22.9 × 9.9 × 44.0 mm
Operating temperature	–30 °C ~ +90 °C
Connector	FAKRA Z (f)

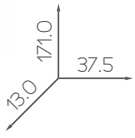
Antenna WiFi Build-in 2M260



ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi / Bluetooth
Gain	0 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.2:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	315.0 × 8.6 × 5.0 mm
Operating temperature	–30 °C ~ +85 °C
Cable*	RG316/U
Connector*	MCX (m) R/A

* Customizable Cable Types and Connectors

Antenna WiFi Connector Mount W410



ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	0.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	Ø13.0 × 195.0 mm / 37.5 × 13.0 × 171.0 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA-RP (f-pin)

Antenna WiFi Connector Mount SPK

ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	1.5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.5:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	Ø10.0 × 108.0 mm / 30.7 × 10.0 × 87.0 mm
Operating temperature	–20 °C ~ +55 °C
Connector	SMA (m)

Antenna WiFi Connector Mount 2NRAB

ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi / Bluetooth
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.4:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	32.8 × 21.0 × 85.7 mm
Operating temperature	–20 °C ~ +55 °C
Connector	N (m) R/A

Antenna WiFi Connector Mount TRPK

ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø14.5 × 142 mm / 14.5 × 43.0 × 112.9 mm
Operating temperature	–20 °C ~ +60 °C
Connector	TNC-RP (f-pin)

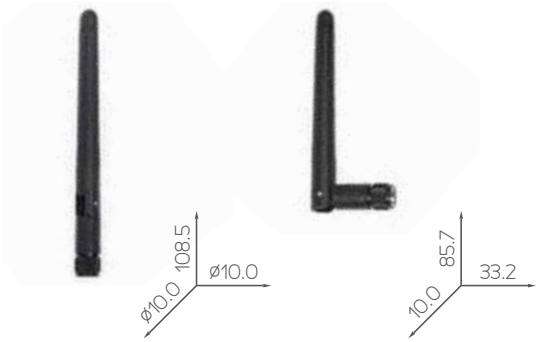
Antenna WiFi Connector Mount SRPK2

ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	2.3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø9.3 × 85.5 mm / 26.4 × 9.3 × 68.5 mm
Operating temperature	–20 °C ~ +60 °C
Connector	SMA-RP (f-pin)

Antenna WiFi Connector Mount SFLEX

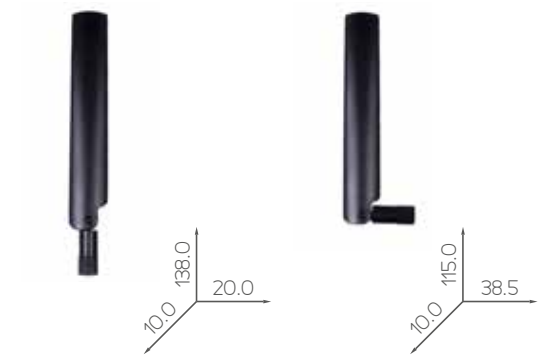
ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	2.3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø10.0 × 100.0 mm
Operating temperature	–30 °C ~ +60 °C
Connector	SMA (m)

Antenna WiFi Connector Mount W402



ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	Ø10.0 × 108.5 mm / 33.2 × 10.0 × 85.7 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA-RP (f-pin)

Antenna WiFi Connector Mount FLAT SRPK

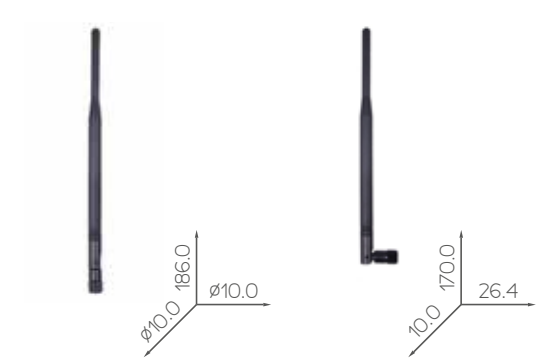


ELECTRICAL DATA	
Frequency	2.4 / 5.8 GHz
Technology	WiFi
Gain	3 dBi / 5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.5:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	20.0 × 10.0 × 138.0 mm / 38.5 × 10.0 × 115.0 mm
Operating temperature	–40 °C ~ +60 °C
Connector	SMA-RP (f-pin)

Antenna WiFi Connector Mount SRPK

ELECTRICAL DATA	
Frequency	2.4 / 5.8 GHz
Technology	WiFi
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	ø13.0 × 136.3 mm / 37.0 × 13.0 × 113.0 mm
Operating temperature	–10 °C ~ +50 °C
Connector	SMA-RP (f-pin)

Antenna WiFi Connector Mount M5SRP



ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	Ø10.0 × 186.0 mm / 26.4 × 10.0 × 170.0 mm
Operating temperature	–20 °C ~ +60 °C
Connector	SMA-RP (f-pin)

Antenna WiFi Connector Mount SRPK

ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	Ø13.0 × 232.0 mm / 37.3 × 13.0 × 208.6 mm
Operating temperature	–20 °C ~ +60 °C
Connector	SMA-RP (f-pin)

Antenna WiFi Connector Mount W415B

ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	7 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	Ø13.0 × 254.0 mm / 37.5 × 13.0 × 230.0 mm
Operating temperature	–40 °C ~ +85 °C
Connector	SMA (m)

Antenna WiFi Connector Mount 7NRAB

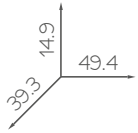
ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi / Bluetooth
Gain	7 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.6:1
MECHANICAL DATA	
Mounting	Connector mounting
Dimensions	33.0 × 21.0 × 240.5 mm
Operating temperature	–20 °C ~ +55 °C
Connector	N (m) R/A

Antenna WiFi Magnet Mount G016W

ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	Ø29.4 × 121.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA-RP (f-pin)

* Customizable Cable Types and Connectors

Antenna WiFi Magnet Mount W001



ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	2 dBi
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.5:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	49.4 × 39.3 × 14.9 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	MCX (m)

* Customizable Cable Types and Connectors

Antenna WiFi Magnet Mount W069

ELECTRICAL DATA	
Frequency	2.4 / 2.5 GHz
Technology	WiFi
Gain	3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø29.4 × 121.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA-RP (f-pin)

* Customizable Cable Types and Connectors

Antenna WiFi Screw Mount R36

ELECTRICAL DATA	
Frequency	2.4 / 5.8 GHz
Technology	WiFi
Gain	2 dBi / 3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø54.4 × 28.7 + 14.2 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG58/U
Connector*	SMA-RP (f-pin)

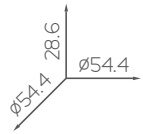
* Customizable Cable Types and Connectors

Antenna WiFi Ceiling Mount W915

ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	5 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	Ø166.0 × 96.5 + 40.1 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG58/U
Connector*	N (f)

* Customizable Cable Types and Connectors

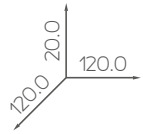
Antenna WiFi Screw Mount R36



ELECTRICAL DATA	
Frequency	2.4 – 2.485 GHz
Technology	WiFi
Gain	7 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	Ø54.4 × 28.6 + 14.2 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	.195
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna WiFi PANEL 2408

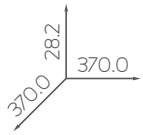


ELECTRICAL DATA	
Frequency	2.4 / 2.5 GHz
Technology	WiFi
Gain	8 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 1.5:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	120.0 × 120.0 × 20.0 mm
Operating temperature	–30 °C ~ +90 °C
Connector	N (f)

Antenna WiFi PANEL 5914

ELECTRICAL DATA	
Frequency	5.1 / 5.9 GHz
Technology	WiFi
Gain	14 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 1.5:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	130.0 × 130.0 × 28.7 mm
Operating temperature	–40 °C ~ +60 °C
Connector	N (f)

Antenna WiFi PANEL 2419



ELECTRICAL DATA	
Frequency	2.4 / 2.5 GHz
Technology	WiFi
Gain	19 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 1.5:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	370.0 × 370.0 × 28.2 + 16.2 mm
Operating temperature	–40 °C ~ +95 °C
Connector	N (f)

Antenna WiFi PANEL 5923

ELECTRICAL DATA	
Frequency	5.1 / 5.3 / 5.4 / 5.8 / 5.9 GHz
Technology	WiFi
Gain	23 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 1.5:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	370.0 × 370.0 × 28.2 + 16.2 mm
Operating temperature	–40 °C ~ +80 °C
Connector	N (f)

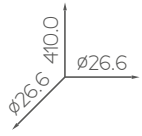
Antenna WiFi OMNI 2408

ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	8 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.3:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	ø26.0 × 560.0 mm
Operating temperature	–40 °C ~ +80 °C
Connector	N (f)

Antenna WiFi OMNI 2410

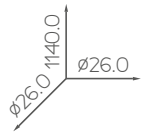
ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	10 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.3:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	ø26.0 × 820.0 mm
Operating temperature	–40 °C ~ +80 °C
Connector	N (f)

Antenna WiFi OMNI 5910



ELECTRICAL DATA	
Frequency	5.1 / 5.9 GHz
Technology	WiFi
Gain	10 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.5:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	ø26.6 × 410.0 mm
Operating temperature	–40 °C ~ +60 °C
Connector	N (f)

Antenna WiFi OMNI 2412

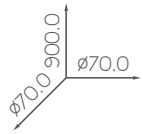


ELECTRICAL DATA	
Frequency	2.4 GHz
Technology	WiFi
Gain	12 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.3:1
MECHANICAL DATA	
Mounting	Pole mounting
Dimensions	ø26.0 × 1140.0 mm
Operating temperature	–40 °C ~ +80 °C
Connector	N (f)

Antenna WiFi OMNI 5015

ELECTRICAL DATA	
Frequency	5 GHz
Technology	WiFi
Gain	15 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.4:1
MECHANICAL DATA	
Mounting	Pole Mounting
Dimensions	ø26.0 × 738.0 mm
Operating temperature	–40 °C ~ +60 °C
Connector	N (f)

Antenna WiFi YAGI 2418



ELECTRICAL DATA	
Frequency	2.4 / 2.5 GHz
Technology	WiFi
Gain	18 dBi
Directivity	Directional
Polarization	Linear
VSWR	< 2.0:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø70.0 × 900.0 mm
Operating temperature	–30 °C ~ 90 °C
Cable*	RG58/U
Connector*	N (f)

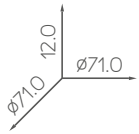
* Customizable Cable Types and Connectors

Combined antennas are particularly suitable for applications that place great demands on maximum compactness. These antennas combine several separate antennas, which are designed for various technologies. The main advantage is minimizing the number of antennas to one. They are suitable for places where it is not possible to use multiple antennas, either from an aesthetic or practical point of view. Combined antennas usually combine GPS, GSM, GLONASS with WiFi, or mobile technologies. However, there are also those that combine all the mentioned technologies. Such antennas therefore have several different types of cables and different connectors. A typical antenna mount is magnetic, mounting, or adhesive.

Combined antennas are used in various areas of industry, especially in the automotive industry, but also in everyday life. Their use is very advantageous in the case of routers, where one antenna is able to combine LTE, WiFi and GNSS technologies.

Combination antennas

Antenna LTE/GNSS Adhesive R40



ELECTRICAL DATA	
Frequency	900 / 1800 / 2100 / 1575.42 / 1602 MHz
Technology	2G GSM / 3G UMTS / 4G LTE / GPS / GLONASS
Gain	0 dBi / 3 dBi
LNA Gain	27 dB (GNSS)
Directivity	Omnidirectional
Polarization	Linear / Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.7 – 5.5 V
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	ø71.0 × 12.0 mm
Operating temperature	–30 °C ~ +90 °C
Cables*	2 × RG174/U
Connectors*	FME (f) / SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM/GPS Adhesive R30

ELECTRICAL DATA	
Frequency	900 / 1800 / 1575.42 MHz
Technology	2G GSM / GPS
Gain	0 dBi / 2 dBi
LNA Gain	28 dB (GPS)
Directivity	Omnidirectional
Polarization	Linear / Right hand circular polarization
VSWR	< 1.5:1 / < 1.15:1
Power voltage	2.7 – 5.5 V
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	ø50.4 × 17.0 mm
Operating temperature	–30 °C ~ +90 °C
Cables*	2 × RG174/U
Connectors*	FME (f) / SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM/GPS Magnet Mount B008

ELECTRICAL DATA	
Frequency	900 / 1800 / 1900 / 2100 / 1575.42 MHz
Technology	2G GSM / GPS
Gain	0 dBi / 2 dBi
LNA Gain	28 dB (GPS)
Directivity	Omnidirectional
Polarization	Linear / Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.2 – 5.0 V
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø80.4 × 14.5 mm
Operating temperature	–30 °C ~ +90 °C
Cables*	2 × RG174/U
Connectors*	2 × SMA (m)

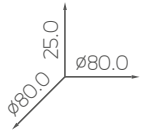
* Customizable Cable Types and Connectors

Antenna LTE/GPS Magnet Mount B305

ELECTRICAL DATA	
Frequency	900 / 1800 / 1900 / 2100 / 1575.42 MHz
Technology	4G LTE / GPS
Gain	0 dBi / 2 dBi
LNA Gain	28 dB (GPS)
Directivity	Omnidirectional
Polarization	Linear / Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.2 – 5.0 V
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø81.6 × 14.5 mm
Operating temperature	–30 °C ~ +90 °C
Cables*	2 × RG174/U
Connectors*	FAKRA D (f) / FAKRA C (f)

* Customizable Cable Types and Connectors

Antenna GSM/UMTS/GPS/WiFi Screw Mount R41



ELECTRICAL DATA	
Frequency	900 / 1800 / 2100 / 2400 / 1575.42 MHz
Technology	2G GSM / 3G UMTS / WiFi / GPS
Gain	0 dBi / 2 dBi / 0.5 dBi
LNA Gain	32 dB (GPS)
Directivity	Omnidirectional
Polarization	Linear / Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.0 – 5.5 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø80.0 × 25.0 + 19.7 mm
Operating temperature	–20 °C ~ +60 °C
Cables*	3 × RG174/U
Connectors*	SMA (m) / SMA-RP (f-pin) / SMA (m)

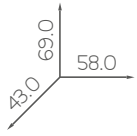
* Customizable Cable Types and Connectors

Antenna GSM/GPS Screw Mount R36

ELECTRICAL DATA	
Frequency	800 / 900 / 1800 / 1900 / 1575.42 MHz
Technology	2G GSM / GPS
Gain	0 dBi / 2 dBi
LNA Gain	30 dB (GPS)
Directivity	Omnidirectional
Polarization	Linear / Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.7 – 5.5 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø54.4 × 28.6 + 14.3 mm
Operating temperature	–30 °C ~ +90 °C
Cables*	2 × RG174/U
Connectors*	FME (f) / SMA (m)

* Customizable Cable Types and Connectors

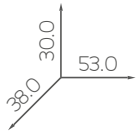
Antenna GSM/GPS Screw Mount R31 SHARK



ELECTRICAL DATA	
Frequency	900 / 1800 / 1900 / 2100 / 1575.42 MHz
Technology	2G GSM / GPS
Gain	0 dBi / 3 dBi
LNA Gain	27 dB (GPS)
Directivity	Omnidirectional
Polarization	Linear / Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.7 – 5.5 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	58.0 × 43.0 × 69.0 + 15.0 mm
Operating temperature	–30 °C ~ +90 °C
Cables*	2 × RG174/U
Connectors*	FME (f) / SMA (m)

* Customizable Cable Types and Connectors

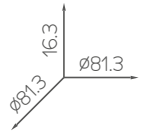
Antenna GSM/GPS Screw Mount R32



ELECTRICAL DATA	
Frequency	900 / 1800 / 1575.42 MHz
Technology	2G GSM / GPS
Gain	1 dBi / 2 dBi
LNA Gain	30 dB (GPS)
Directivity	Omnidirectional
Polarization	Linear / Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.5 - 5.5 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	53.0 × 38.0 × 30.0 + 19.0 mm
Operating temperature	–30 °C ~ +90 °C
Cables*	2 × RG174/U
Connectors*	FME (f) / SMA (m)

* Customizable Cable Types and Connectors

Antenna GPS/LTE/WiFi Screw Mount E008



ELECTRICAL DATA	
Frequency	1575.42 / 698 – 960 / 1710 – 2690 2400 – 2483.5 / 4900 – 5825 MHz
Technology	GPS / 4G LTE / WiFi
Gain	2 dBi / 2 dBi / 3 dBi
LNA Gain	28 dB (GPS)
Directivity	Directional / Omnidirectional / Omnidirectional
Polarization	Right hand circular polarization / Linear / Linear
VSWR	< 1.5:1 / < 2.0:1 / < 2.0:1
Power voltage	2.2 – 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø81.3 × 16.3 + 15.0 mm
Operating temperature	–40 °C ~ +85 °C
Cables*	3 × RG174/U
Connectors*	SMA (m) / SMA (m) / SMA-RP (f-pin)

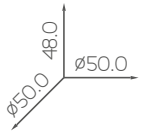
* Customizable Cable Types and Connectors

Antenna GPS/GLONASS/4G/WiFi Screw Mount E058

ELECTRICAL DATA	
Frequency	1575.42 / 1602 / 700 – 960 / 1710 – 2655 MHz
Technology	GPS / GLONASS / 4G LTE / WiFi
Gain	2 dBi / 2 dBi / 3 dBi
LNA Gain	28 dB (GNSS)
Directivity	Directional (GPS) / Omnidirectional (WiFi / 4G LTE)
Polarization	Right hand circular polarization / Linear
VSWR	< 1.5:1 / < 2.0:1 / < 2.0:1
Power voltage	2.2 – 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø50.0 × 48.0 + 15.0 mm
Operating temperature	–40 °C ~ +85 °C
Cables*	3 × RG174/U
Connectors*	3 × SMA (m)

* Customizable Cable Types and Connectors

Antenna LTE/GPS Screw Mount B062



ELECTRICAL DATA	
Frequency	1575.4 / 700–960 / 1710–2655 MHz
Technology	GPS / 4G LTE
Gain	3 dBi / 2 dBi
LNA Gain	28 dB (GPS)
Directivity	Omnidirectional / Directional
Polarization	Linear / Right hand circular polarization
VSWR	< 1.5:1 / < 2.0:1
Power voltage	2.2 – 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø50.0 × 48.0 + 14.5 mm
Operating temperature	–45 °C ~ +85 °C
Cables*	2 × RG174/U
Connectors*	2 × SMA (m)

* Customizable Cable Types and Connectors

Antenna LTE/GPS Screw Mount B046L

ELECTRICAL DATA	
Frequency	698 – 960 / 1710 – 2690 / 1575.42 MHz
Technology	4G LTE / GPS
Gain	2.5 dBi / 2 dBi
LNA Gain	28 dB (GPS)
Directivity	Omnidirectional
Polarization	Linear / Right hand circular polarization
VSWR	< 2.0:1 / < 1.5:1
Power voltage	2.2 – 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø81.3 × 14.6 + 15.0 mm
Operating temperature	–40 °C ~ +85 °C
Cables*	2 × RG174/U
Connectors*	2 × SMA (m)

* Customizable Cable Types and Connectors

Antenna GSM/WiFi Ceiling Mount R3

ELECTRICAL DATA	
Frequency	800 / 900 / 1700 / 1800 / 2400 / 2500 MHz
Technology	2G GSM / WiFi
Gain	3 dBi / 3 dBi
Directivity	Omnidirectional
Polarization	Linear
VSWR	< 1.5:1
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø165.0 × 94.0 + 34.0 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG58/U
Connector*	N (f)

* Customizable Cable Types and Connectors

Antenna LTE/GPS/WiFi MIMO Screw Mount E604LW

ELECTRICAL DATA	
Frequency	698 – 960 / 1710 – 2690 / 1575.42 / 2400 – 2483.5 4900 – 5825 MHz
Technology	4G LTE / GPS / WiFi
Gain	3 dBi / 2 dBi / 2 dBi
LNA Gain	28 dB (GPS)
Directivity	Omnidirectional
Polarization	Linear / Right hand circular polarization / Linear
VSWR	< 1.7:1 / < 2.0:1 / < 1.6:1
Power voltage	3.0 – 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø110.0 × 53.0 + 27.0 mm
Operating temperature	–40 °C ~ +85 °C
Cables*	5 × .100
Connectors*	3 × SMA (m) / 2 × SMA-RP (f-pin)

* Customizable Cable Types and Connectors

Antenna LTE/GPS/WiFi MIMO Screw Mount E072LW

ELECTRICAL DATA	
Frequency	698 – 960 / 1575.42 / 1710 – 2690 2400 – 2483 MHz
Technology	GPS / 4G LTE / WiFi
Gain	2 dBi / 3.5 dBi / 3 dBi
LNA Gain	28 dB (GPS)
Directivity	Directional (GPS) / Omnidirectional (WiFi / 4G LTE)
Polarization	Right hand circular polarization / Linear / Linear
VSWR	< 1.5:1 / < 2.0:1 / < 3.0:1
Power voltage	3.0 – 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	181.7 × 68.9 × 69.1 + 23.8 mm
Operating temperature	–40 °C ~ +85 °C
Cables*	4 × .100
Connectors*	FAKRA C (f) / FAKRA D (f) / 2 × FAKRA Z (f)

* Customizable Cable Types and Connectors

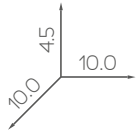
GPS / GNSS antennas are primarily designed to receive positioning signals that allows you to determine the exact position on the Earth's surface using a navigation receiver connected to the antenna. Today, GPS abbreviation refers globally to any positioning system, although there are other systems such as GLONASS, BeiDou or Galileo. GPS is now used in many fields of human activity and no smart phones can do without it.

GPS antennas are suitable for use in cars and other vehicles with a built-in navigation, log books etc. GPS antennas with several types of connectors and variouse types of cables are available. Mounting options: Magnet Mount, Screw Mount, Adhesive Mount, Solder PCB Mount.

GPS antennas are divided into passive and active antennas. Active antennas with a built-in amplifier achieve a higher dBi gain, thanks to which the antenna has better reception and can be used in places with a lower signal.

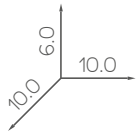
GPS / GNSS antennas

Antenna GPS/GLONASS Embedded GA10



ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	–6.7 dBi / –5.2 dBi
LNA Gain	25 dB
Directivity	Directional
Polarization	Right hand circular polarization
VSWR	< 1.3:1
Power voltage	3.3 V
MECHANICAL DATA	
Mounting	Soldering
Dimensions	10.0 × 10.0 × 4.5 + 7.0 mm
Operating temperature	–40 °C ~ +85 °C

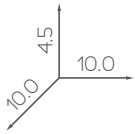
Antenna GPS Embedded AP10



ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	-3 dBi
LNA Gain	28 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	1.8 – 3.3 V
MECHANICAL DATA	
Mounting	Patch
Dimensions	10.0 × 10.0 × 6.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RF 0.81
Connector*	IPEX-MHF (f) R/A

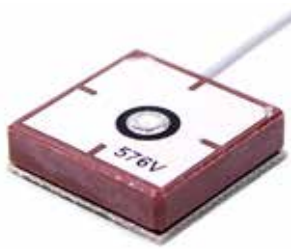
* Customizable Cable Types and Connectors

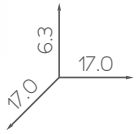
Antenna GPS Embedded AP10



ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	0 dBi
LNA Gain	25 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	1.8 – 5.5 V
MECHANICAL DATA	
Mounting	Soldering
Dimensions	10.0 × 10.0 × 4.5 + 6.0 mm
Operating temperature	–40 °C ~ +85 °C

Antenna GPS Embedded AA17

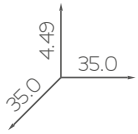




ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	1 dBi
LNA Gain	14 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.7 – 3.3 V
MECHANICAL DATA	
Mounting	Patch
Dimensions	17.0 × 17.0 × 6.3 mm
Operating temperature	–20 °C ~ +65 °C
Cable*	RF 1.13
Connector*	IPEX-MHF (f) R/A

* Customizable Cable Types and Connectors

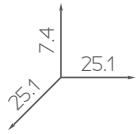
Antenna GPS Embedded AP25



ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	1.5 dBi
LNA Gain	14.5 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.0 V
MECHANICAL DATA	
Mounting	Patch
Dimensions	35.0 × 35.0 × 4.49 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RF 1.13
Connector*	U.FL (f) R/A

* Customizable Cable Types and Connectors

Antenna GPS Embedded AP25



ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	1.5 dBi
LNA Gain	30 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.5 – 5.5 V
MECHANICAL DATA	
Mounting	Patch
Dimensions	25.1 × 25.1 × 7.4 mm
Operating temperature	–30 °C ~ 80 °C
Cable*	RF 1.13
Connector*	U.FL (f) R/A

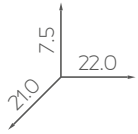
* Customizable Cable Types and Connectors

Antenna GPS/GLONASS Embedded GA25

ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	2.36 dBi / 2.55 dBi
LNA Gain	26 dB / 25.5 dB
Directivity	Directional
Polarization	Right hand circular polarization
VSWR	< 2.0:1 / < 1.3:1
Power voltage	3.0 V
MECHANICAL DATA	
Mounting	Patch
Dimensions	25.0 × 25.0 × 8.5 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RF 1.37
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Trimble antenna GPS Embedded AP22



ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	3 dBi
LNA Gain	27 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.0 V
MECHANICAL DATA	
Mounting	Patch
Dimensions	22.0 × 21.0 × 7.5 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RF-MF507
Connector*	H.FL (f) R/A

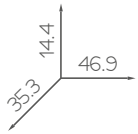
* Customizable Cable Types and Connectors

Antenna GPS/GLONASS Adhesive 20

ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	0 dBi
LNA Gain	20 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.5 – 3.5 V
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	38.2 × 34.2 × 12.6 mm
Operating temperature	–30 °C ~ +75 °C
Cable*	RG174/U
Connector*	SMB (f)

* Customizable Cable Types and Connectors

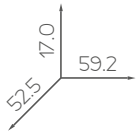
Antenna GPS Adhesive 004



ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS
Gain	2 dBi
LNA Gain	26 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.5:1
Power voltage	2.7 – 10.0 V
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	46.9 × 35.3 × 14.4 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GPS/GLONASS Adhesive A057



ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	2 dBi / 2 dBi
LNA Gain	44 dB / 48 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.2 – 5.0 V
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	59.2 × 52.5 × 17.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	MCX (m)

* Customizable Cable Types and Connectors

Antenna GPS Adhesive 30

ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	3 dBi
LNA Gain	27 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.8:1
Power voltage	2.7 – 5.5 V
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	ø50.4 × 17.0 mm
Operating temperature	–40 °C ~ +90 °C
Cable*	RG174/U
Connector*	SMA (m)

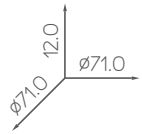
* Customizable Cable Types and Connectors

Antenna GPS/GLONASS Adhesive 30

ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	3 dBi
LNA Gain	27 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.8:1
Power voltage	2.5 – 5.5 V
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	ø50.4 × 17.0 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

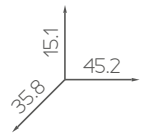
Antenna GPS/GLONASS Adhesive R40



ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	3 dBi
LNA Gain	27 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.2 – 5.5 V
MECHANICAL DATA	
Mounting	Adhesive
Dimensions	ø71.0 × 12.0 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

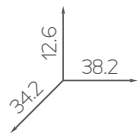
Antenna GPS/GLONASS Adhesive L002



ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	5 dBi
LNA Gain	28 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.5:1
Power voltage	2.2 – 5.0 V
MECHANICAL DATA	
Mounting	Adhesive / Magnetic
Dimensions	45.2 × 35.8 × 15.1 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

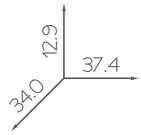
Antenna GPS/GLONASS Magnet Mount 152B



ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	0 dBi
LNA Gain	25 dB / 18 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.5:1
Power voltage	3.0 V
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	38.2 × 34.2 × 12.6 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

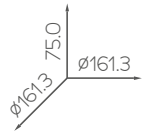
Trimble Antenna GPS + BEIDOU Magnetic Mount 100229-52



ELECTRICAL DATA	
Frequency	1575.42 ± 1.023 MHz
Technology	GPS / Beidou
Gain	0 dBi
LNA Gain	27 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.8:1
Power voltage	3.0 V
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	37.4 × 34.0 × 12.9 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

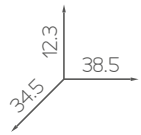
* Customizable Cable Types and Connectors

Trimble Antenna GNSS AG25



ELECTRICAL DATA	
Frequency	1525 – 1614 MHz / 1555 – 1608 MHz
Technology	GPS / GLONASS / Galileo / BeiDou / QZSS SBAS / MSS
Gain	0 dBi
LNA Gain	42 dB
Directivity	Directional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.4 – 12.0 V
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø161.3 × 75.0 mm
Operating temperature	–40 °C ~ +70 °C
Connector	TNC (f)

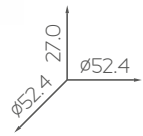
Antenna GPS Magnet Mount EA–200



ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	1 dBi
LNA Gain	37 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.5 – 5.5 V
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	38.5 × 34.5 × 12.3 mm
Operating temperature	–30 °C ~ +75 °C
Cable*	RG174/U
Connector*	FAKRA C (f)

* Customizable Cable Types and Connectors

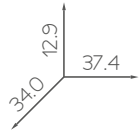
Antenna GPS/GLONASS Magnet Mount R34C



ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	1.56 dBi / 1.8 dBi
LNA Gain	28.5 dB / 28.2 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.0 V
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	ø52.4 × 27.0 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

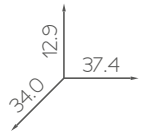
Trimble Antenna GPS Magnet Mount 5VB



ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	3 dBi
LNA Gain	27 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.8:1
Power voltage	5.0 V
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	37.4 × 34.0 × 12.9 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMB (f)

* Customizable Cable Types and Connectors

Trimble Antenna GPS Magnet Mount 3VS



ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	3 dBi
LNA Gain	27 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.0 V
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	37.4 × 34.0 × 12.9 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

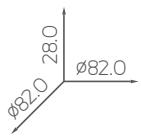
* Customizable Cable Types and Connectors

Antenna GPS/GLONASS Magnet Mount 004

ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	3 dBi
LNA Gain	28 dB
Directivity	Directional
Polarization	Right hand circular polarization
VSWR	< 1.5:1
Power voltage	2.2 – 5.0 V
MECHANICAL DATA	
Mounting	Magnetic
Dimensions	39.0 × 35.0 × 14.0 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GPS/GLONASS L1/L2 Screw Mount R55



ELECTRICAL DATA	
Frequency	1575.42 / 1227.6 / 1602.6 MHz
Technology	GPS (L1) / GPS (L2) / GLONASS
Gain	0 dBi / 1.5 dBi / 3 dBi
LNA Gain	25 dB / 25 dB / 23 dB
Directivity	Directional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.2 – 5.5 V
MECHANICAL DATA	
Mounting	Ceiling mounting
Dimensions	ø82.0 × 28.0 mm
Operating temperature	–20 °C ~ +65 °C
Cable*	RG174/U
Connector*	SMA (m)

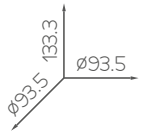
* Customizable Cable Types and Connectors

Antenna GPS/GLONASS Screw Mount R36

ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	0 dBi
LNA Gain	30 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.0 – 3.3 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø54.7 × 31.4 + 14.9 mm
Operating temperature	–30 °C ~ +80 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

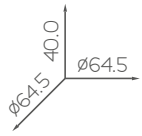
Antenna GPS Screw Mount Marine 005



ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	0 dBi
LNA Gain	42 dB
Directivity	Directional
Polarization	Right hand circular polarization
VSWR	< 1.5:1
Power voltage	3.0 – 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø93.5 × 133.3 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG58/U
Connector*	BNC (m)

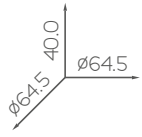
* Customizable Cable Types and Connectors

Trimble Bulkhead Antenna GPS 3/5VT



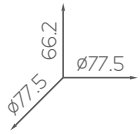
ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	0 dBi
LNA Gain	28 dB / 28 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.0 V / 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø64.5 × 40.0 mm
Operating temperature	–40 °C ~ +85 °C
Connector	TNC (f)

Trimble Bulkhead Antenna GPS/GLONASS 5VT-G



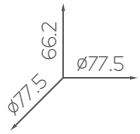
ELECTRICAL DATA	
Frequency	1575.42 / 1610 MHz
Technology	GPS / GLONASS
Gain	0 dBi
LNA Gain	32 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø64.5 × 40.0 mm
Operating temperature	–40 °C ~ +85 °C
Connector	TNC (f)

Trimble Bullet Antenna GPS L1/L2



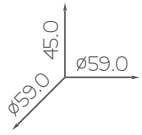
ELECTRICAL DATA	
Frequency	1588 / 1227.6 MHz
Technology	GPS L1 / GPS L2
Gain	0 dBi
LNA Gain	32 dB / 36 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.3 V / 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø77.5 × 66.2 mm
Operating temperature	–40 °C ~ +90 °C
Connector	TNC (f) / F (f)

Trimble Bullet Antenna 40dB



ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	0 dBi
LNA Gain	38 dB / 40 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.3 V / 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø77.5 × 66.2 mm
Operating temperature	–40 °C ~ +90 °C
Connector	TNC (f) / F (f)

Antenna GPS Screw Mount Marine 211

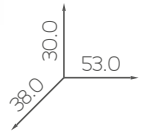


ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	1.5 dBi
LNA Gain	45.21 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.46:1
Power voltage	1.8 – 5.5 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø59.0 × 45.0 + 27.0 mm
Operating temperature	–40 °C ~ +80 °C
Connector	TNC (f)

Antenna GNSS Screw Mount Marine 169

ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	2 / 3.5 dBi
LNA Gain	33 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	2.5 – 5.5 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø81.0 × 71.5 mm
Operating temperature	–20 °C ~ +65 °C
Connector	TNC (f)

Antenna GPS Screw Mount 32



ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	2 dBi
LNA Gain	28 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	<1.5:1
Power voltage	2.7 – 5.5 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	53.0 × 38.0 × 30.0 + 19.0 mm
Operating temperature	–30 °C ~ +90 °C
Cable*	RG174/U
Connector*	SMA (m)

* Customizable Cable Types and Connectors

Antenna GPS/GLONASS Screw Mount A601

ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	2 dBi
LNA Gain	28 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.5:1
Power voltage	2.2 – 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø68.0 × 34.8 + 19.7 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

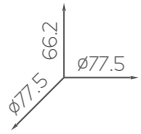
* Customizable Cable Types and Connectors

Antenna GPS/GLONASS Screw Mount L003

ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	2 dBi
LNA Gain	28 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.5:1
Power voltage	2.2 – 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø46.6 × 16.3 + 9.4 mm
Operating temperature	–40 °C ~ +85 °C
Cable*	RG174/U
Connector*	SMA (m)

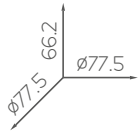
* Customizable Cable Types and Connectors

Trimble Bullet Antenna GB



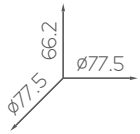
ELECTRICAL DATA	
Frequency	1575.42 / 1561 MHz
Technology	GPS / Beidou
Gain	2.4 dBi
LNA Gain	26 dB / 28 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.3 V / 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø77.5 × 66.2 mm
Operating temperature	–40 °C ~ 90 °C
Connector	TNC (f) / F (f)

Trimble Bullet III Antenna GPS



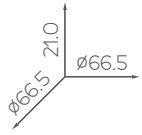
ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	3 dBi
LNA Gain	30 dB / 35 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.3 V / 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø77.5 × 66.2 mm
Operating temperature	–40 °C ~ +85 °C
Connector	TNC (f) / F (f)

Trimble Bullet Antenna GG



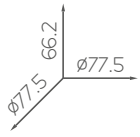
ELECTRICAL DATA	
Frequency	1575.42 / 1602 MHz
Technology	GPS / GLONASS
Gain	3.2 dBi
LNA Gain	30 dB / 32 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.3 V / 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø77.5 × 66.2 mm
Operating temperature	–40 °C ~ +90 °C
Connector	TNC (f) / F (f)

Trimble Antenna GNSS AV28



ELECTRICAL DATA	
Frequency	1164 – 1254 / 1525 – 1606 MHz
Technology	GLONASS / GPS
Gain	4 dBi
LNA Gain	37 dB
Directivity	Directional
Polarization	Right hand circular polarization
VSWR	< 1.5:1
Power voltage	2.5 – 16.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø66.5 × 21.0 + 28.8 mm
Operating temperature	–40 °C ~ +85 °C
Connector	TNC (f)

Trimble Bullet Antenna 360



ELECTRICAL DATA	
Frequency	1575.42 / 1561 / 1602 MHz
Technology	GPS / Beidou / Galileo
Gain	4.3 dBi
LNA Gain	26 dB / 28 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 2.0:1
Power voltage	3.3 V / 5.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø77.5 × 66.2 mm
Operating temperature	–40 °C ~ +90 °C
Connector	TNC (f) / F (f)

Antenna GPS Screw Mount Marine 225

ELECTRICAL DATA	
Frequency	1575.42 MHz
Technology	GPS
Gain	5 dBi
LNA Gain	40 dB
Directivity	Omnidirectional
Polarization	Right hand circular polarization
VSWR	< 1.5:1
Power voltage	2.7 – 10.0 V
MECHANICAL DATA	
Mounting	Screw mounting
Dimensions	ø66.5 × 46.0 + 30.3 mm
Operating temperature	–40 °C ~ +85 °C
Connector	TNC (f)

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Numerous innovative technologies supported

Our modules can be customized to suit the specific communications needs of your application by integrating innovative technologies such as Java™, GPS/GLONASS, SL Agent, SIM Access Profile and more.

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Antenna

A conductive element used to convert the energy supplied by the transmitter into the energy of electromagnetic waves radiated into space. Your entire antenna system must be adapted to emit as much energy as possible in the most efficient way. The antenna is reciprocal. It is therefore capable of both emitting and receiving energy. Whether the antenna will be used as a receiver or transmitter, is determined by its properties. A suitable antenna is chosen according to the parameters with regard to the area of use.

Active or passive antenna?

We divide antennas into active and passive. The difference between an active and a passive antenna is that the active antenna includes an integrated amplifier that amplifies the signal level. Active antennas can be used for both reception and transmission and need to be powered. Nominal power values are around 2.2-5 V. GNSS antennas are a common example of active antennas. The passive antenna is without an amplifier.

Types of cables and connectors

The choice of cable and connector types is essential for an antenna to function properly. The connector serves as mechanical connection between the antenna and the RF system. The cable is used for direct connection of the HF transmission line signal. The choice of a quality cable and connector helps the resulting efficiency of the entire antenna system.

Antenna attachment methods

We offer a wide range of attachment methods: adhesive, mounting, screw, magnetic and soldering.

Frequency band

Frequency band means a continuous range of frequencies, defined by a lower and upper cut-off frequency. The difference between the two cut-off frequencies is called the bandwidth.

Signal level

The signal level is given in dBm and represents the ratio of the current signal level to the 1mW reference value. The basis of wireless information transmission is an antenna, which is used to receive and transmit a radio signal. The antenna must be chosen appropriately so that it meets the requirements of the installation and has the required properties. Needless to mention a saying is used in antenna technology, the best amplifier is the antenna itself. The use of preamplifiers can cause other problems.

Attenuation

Attenuation (loss) is a decrease in signal strength. It is given in decibels (dB). Attenuation is undesirable, it is often caused by mismatch of the RF transmission system. These losses can be caused by impedance, polarization mismatch or it can also be inserted attenuation eg on coaxial cable (which increases in proportion to cable length), connectors and splitters.

Impedance

A complex resistance on alternating current, which is composed of two components of real resistance R and imaginary or reactive reactance X. The unit of impedance is ohm Ω, usually denoted by a capital letter Z. The most common antenna impedance is either 50 or 75 Ω.

Gain

Gain is one of the most important parameters of the antenna and characterizes its efficiency. Gain indicates an increase in signal strength and is closely related to its directivity. The antenna is a passive element and its gain is achievable (unlike, for example, the gain of the amplifier) solely at the expense of increasing its directivity. It is measured in dBi and dBd depending on the measurement method used.

Directivity

The directionality of the antenna is presented by a radiation pattern. The radiation pattern is actually three-dimensional, but in practice, in most cases, it is represented by a 2D spatial section in a vertical or horizontal plane. A very important parameter from this antenna is called emission angle of the antenna. It is the angle of the emission maximum which is defined by two values which correspond to a decrease in the maximum field strength by 3 dB.

VSWR

The VSWR parameter is a ratio that numerically expresses the degree of impedance matching of the input terminals of the antenna to the line (hereinafter transmitter and receiver) to which it is connected. Usually, an impedance value of 50 Ohm is calculated. In order to maintain the most efficient transmission of energy through the antenna, the

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ratio must be close to 1: 1. If the antenna is not adjusted, energy is reflected. The reflected waves can then create standing waves. This causes attenuation by impedance mismatch, further overheating, in the worst case scenario, damage to the transmitting / receiving part.

S11

S11 or input reflection factor is the designation of the ratio of the power of the reflected and successive waves, given in dB. This would not result in energy reflections, but in efficient transmission. The value of the reflected energy from the input terminals of the antenna is expressed in dB and is shown in negative values - ideally as negative as possible. The ideal antenna should have an S11 value of infinity > the antenna would be ideally impedance matched. VSWR 1: 1.

Antenna efficiency

The efficiency of the antenna is expressed as the ratio of the power radiated by the antenna Pv to the delivered power Pz. The resulting value is then given in %.

Omnidirectional and directional antenna

The directionality of the antenna is presented by a directional (radiation) diagram. The radiation diagram is really three-dimensional, but in practice it is represented in most cases by a 2D spatial section in the vertical or horizontal plane. From this diagram, a very important parameter called the antenna radiation angle is determined. It is the angle of the radiation maximum, which is defined by two values, which correspond to a decrease of the maximum field strength by 3 dB.

Polarization

Polarization is divided into horizontal or vertical and is selected according to the received transmitter. It describes the position of the transmitting or receiving antenna elements perpendicular to the direction of signal propagation. With horizontal polarization, the antenna elements are placed horizontally. Vertical polarization indicates vertical orientation. Horizontal polarization is used in most parts of the Czech Republic. Vertical polarization is used in densely populated areas - it can more easily deal with difficult terrain.

Technologies

GSM This is a cellular network to which mobile phones connect via the nearest cell. GSM operates on several radio frequencies.
The GSM Group has designed a system that uses 2nd generation (2G) digital technology, thanks to which it is possible to make telephone calls, send short SMS text messages and data transmissions. Using a SIM card makes it easy to change your mobile phone.

The full name of the abbreviation LTE is Long Term Evolution. LTE technology builds on the current 3G (UMTS) network and brings several improvements. LTE is the so-called fast internet for communication for mobile devices and data terminals. LTE is based on GSM / EDGE and UMTS / HSPA networks. In the Czech Republic, three frequencies 800, 900 and 1800 MHz are used for LTE.

5G technology will gradually replace or expand today's very popular LTE networks. It is characterized by a higher baud rate and a significant reduction in response time. 5G antennas are used in M2M, IoT devices and IoT systems.

WiFi networks are today's standard - they use the 2.4 and 5 GHz bands. WiFi technology is used for local connection of devices (LAN) and also mainly for internet connection. WiFi networks are primarily intended for households, antennas should be designed to transmit signals well from routers and modems towards the devices that connect to this network.

GPS technology is the most accurate navigation system that allows you to determine the exact position on the map using an electronic receiver connected to the antenna. GPS location allows the use of navigation, tracking devices or logbooks in cars.

GNSS (Global Navigation Satellite System) is a designation for satellite systems that are used to pinpoint geographical location. The GLONASS system uses two signals: the Russian Federation operates a system called the Global Orbiting Navigation Satellite System (GLONASS) and the United States operates a system called the Global Positioning System (GPS).

Overview

LABEL	TECHNOLOGY	MOUNTING	GAIN	PAGE
5G Embedded FLEX G152	• 5G	Adhesive	5 dBi	6
5G Adhesive SA1	• 5G	Adhesive	2.5 dBi	6
5G Connector Mount G410NR	• 5G	Connector mounting	3.5 dBi	6
5G Connector Mount FSMAK	• 5G	Connector mounting	3.5 dBi	6
5G MIMO Screw Mount G605LM4	• 5G	Screw mounting	3.5 dBi	7
5G Pole Mount OM60	• 5G	Pole mounting	5.3 dBi	7
LTE Embedded PIF01	• 4G LTE	Soldering	0 dBi	8
LTE Embedded PIF02	• 4G LTE	Soldering	0 dBi	8
LTE Embedded FLEX 002	• 4G LTE	Adhesive	0 dBi	8
LTE Embedded FLEX G139	• 4G LTE	Adhesive	2 dBi	8
LTE Embedded FLEX 001	• 4G LTE	Adhesive	3 dBi	9
LTE Embedded FLEX G142	• 4G LTE	Adhesive	3 dBi	9
LTE Embedded FLEX G155	• 4G LTE	Adhesive	5.2 dBi	9
LTE Adhesive G017L	• 4G LTE	Adhesive	2 dBi	9
LTE Adhesive G108L	• 4G LTE	Adhesive	2.5 dBi	10
LTE Adhesive U25	• 4G LTE	Adhesive	2.5 dBi	10
LTE Adhesive SA3	• 4G LTE	Adhesive	2.5 dBi	10
LTE Adhesive L25	• 4G LTE	Adhesive	2.5 dBi	10
LTE Adhesive SA5	• 4G LTE	Adhesive	3–5 dBi	11
LTE Magnet Mount G016L	• 4G LTE	Magnetic	2 dBi	11
LTE Magnet Mount G018L	• 4G LTE	Magnetic	2 dBi	11
LTE MIMO Magnet Mount R44	• 4G LTE	Magnetic	3 dBi	11
LTE Magnet Mount 50	• 4G LTE	Magnetic	3–5 dBi	12
LTE Magnet Mount G024L	• 4G LTE	Magnetic	5 dBi	12
LTE Magnet Mount G825–1	• 4G LTE	Magnetic	5 dBi	12
LTE MIMO Magnet Mount FLAT MT19	• 4G LTE	Magnetic	5 dBi	12
LTE Magnet Mount G124	• 4G LTE	Magnetic	6 dBi	13
LTE Magnet Mount 90	• 4G LTE	Magnetic	5–9 dBi	13
LTE Connector Mount TG09W	• 4G LTE	Connector mounting	2 dBi	13
LTE Connector Mount FLAT 5	• 4G LTE	Connector mounting	3 dBi	13
LTE Connector Mount FSMAK3	• 4G LTE	Connector mounting	3 dBi	14
LTE Connector Mount G410L	• 4G LTE	Connector mounting	3 dBi	14
LTE Connector Mount 405	• 4G LTE	Connector mounting	3 dBi	14
LTE Connector Mount FSMAK5	• 4G LTE	Connector mounting	5 dBi	14
LTE Connector Mount FLAT G913L	• 4G LTE	Connector mounting	5 dBi	15
LTE Screw Mount R36	• 4G LTE	Screw mounting	2 dBi	15
LTE Screw Mount G046L	• 4G LTE	Screw mounting	2.5 dBi	15
LTE MIMO Screw Mount G046LM	• 4G LTE	Screw mounting	2.5 dBi	15
LTE Screw Mount FLAT MI3	• 4G LTE	Screw mounting	3 dBi	16
LTE MIMO Screw Mount G605LM4	• 4G LTE	Screw mounting	3.5 dBi	16
LTE MIMO Screw Mount R39	• 4G LTE	Screw mounting	4 dBi	16
LTE Screw Mount G058	• 4G LTE	Screw mounting	4 dBi	16
LTE Screw Mount Manhole R57	• 4G LTE	Screw mounting	4.2 dBi	17
LTE OMNI OM58	• 4G LTE	Pole mounting	5 dBi	17
LTE OMNI OM56	• 4G LTE	Pole mounting	5 dBi	17
LTE OMNI OM57	• 4G LTE	Pole mounting	7 dBi	17
LTE Ceiling Mount W9	• 4G LTE	Ceiling mounting	1.3 dBi	18
LTE MIMO Ceiling Mount W9	• 4G LTE	Ceiling mounting	4 dBi	18
LTE YAGI 140	• 4G LTE	Pole mounting	14 dBi	18
LTE Pole Mount XL7025	• 4G LTE	Pole mounting	15 dBi	18
GSM/UMTS Embedded PA25	• 3G UMTS	Soldering	4.6 dBi	20
GSM/UMTS Embedded FLEX C14	• 3G UMTS	Adhesive	2 dBi	20
GSM/UMTS Embedded PC29	• 3G UMTS	Adhesive	2.5 dBi	20
GSM/UMTS Adhesive G011	• 3G UMTS	Adhesive	2 dBi	20
GSM/UMTS Adhesive G107	• 3G UMTS	Adhesive	2 dBi	21
GSM/UMTS Adhesive G117	• 3G UMTS	Adhesive	2 dBi	21
GSM/UMTS Adhesive G121	• 3G UMTS	Adhesive	2 dBi	21
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CDMA Magnet Mount A939	• 3G UMTS / CDMA	Magnetic	0 dBi	22
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GSM/UMTS Magnet Mount G016	• 3G UMTS	Magnetic	2 dBi	22
GSM/UMTS Magnet Mount 20	• 3G UMTS	Magnetic	2 dBi	22
GSM/UMTS Magnet Mount G821	• 3G UMTS	Magnetic	3 dBi	23
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GSM/UMTS Magnet Mount 50	• 3G UMTS	Magnetic	5 dB	23
GSM/UMTS Magnet Mount 50B	• 3G UMTS	Magnetic	5 dBi	23
GSM/UMTS Magnet Mount MG6	• 3G UMTS	Magnetic	6 dBi	24
GSM/UMTS Magnet Mount G825	• 3G UMTS	Magnetic	7 dBi	24
Antenna GSM/UMTS Magnet Mount 90	• 3G UMTS	Magnetic	9 dBi	24

LABEL	TECHNOLOGY	MOUNTING	GAIN	PAGE
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GSM/UMTS Connector Mount G401–1S	• 3G UMTS	Connector mounting	2 dBi	25
GSM/UMTS Connector Mount SMRS	• 3G UMTS	Connector mounting	2 dBi	25
GSM/UMTS Connector Mount G401–1R	• 3G UMTS	Connector mounting	2 dBi	25
GSM/UMTS Connector Mount TG09	• 3G UMTS	Connector mounting	2 dBi	25
GSM/UMTS Connector Mount SMAK	• 3G UMTS	Connector mounting	2 dBi	26
GSM/UMTS Connector Mount G410	• 3G UMTS	Connector mounting	3 dBi	26
GSM/UMTS Screw Mount G008	• 3G UMTS	Screw mounting	2 dBi	26
GSM/UMTS Screw Mount MI5	• 3G UMTS	Screw mounting	5 dBi	26
CDMA Wall Mount MA80	• 3G UMTS / CDMA	Pole mounting	7 dBi	27
CDMA OMNI OM55	• 3G UMTS / CDMA	Pole mounting	7 dBi	27
GSM/UMTS OMNI OM59	• 3G UMTS	Pole mounting	7 dBi	27
GSM/UMTS YAGI 100	• 3G UMTS	Pole mounting	10 dBi	27
GSM Adhesive 25	• 2G GSM	Adhesive	2.5 dBi	28
GSM Adhesive FLAT SAT	• 2G GSM	Adhesive	2.5 dBi	28
GSM Magnet Mount 25	• 2G GSM	Magnetic	2.5 dBi	28
GSM Magnet Mount 30	• 2G GSM	Magnetic	3 dBi	28
GSM Connector Mount FMER	• 2G GSM	Connector mounting	0 dBi	29
900 MHz Connector Mount MINI SMVS1	• 2G GSM	Connector mounting	2 dBi	29
GSM Connector Mount SMVS	• 2G GSM	Connector mounting	2 dBi	29
GSM Connector Mount SMAK2	• 2G GSM	Connector mounting	2 dBi	29
GSM Connector Mount G402	• 2G GSM	Connector mounting	2 dBi	30
GSM Connector Mount FMEK	• 2G GSM	Connector mounting	2 dBi	30
GSM Screw Mount R36	• 2G GSM	Screw mounting	0 dBi	30
GSM Screw Mount R32	• 2G GSM	Screw mounting	0 dBi	30
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ISM Connector Mount SMVS	• ISM	Connector mounting	0 dBi	34
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ISM Connector Mount G015	• ISM / LoRa / Sigfox	Connector mounting	2 dBi	35
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ISM Connector Mount G410–3	• ISM	Connector mounting	3 dBi	35
ISM Connector Mount G410	• ISM / ZigBee / LoRa / SigFox	Connector mounting	3 dBi	36
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ISM YAGI 100	• ISM / LoRa / Sigfox	Pole mounting	10 dBi	36
WiFi Embedded W414	• WiFi	Patch	3 dBi	40
WiFi Internal PC15	• WiFi	Soldering	3.5 dBi	40
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WiFi Embedded FLEX 71	• WiFi	Adhesive	2 dBi	40
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Overview

LABEL	TECHNOLOGY	MOUNTING	GAIN	PAGE
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WiFi OMNI 5910	WiFi	Pole mounting	10 dBi	48
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LTE/GNSS Adhesive R40	4G LTE / GPS / GLONASS	Adhesive	0 dBi / 3 dBi	52
GSM/GPS Adhesive R30	2G GSM / GPS	Adhesive	0 dBi / 2 dBi	52
GSM/GPS Magnet Mount B008	2G GSM / GPS	Magnetic	0 dBi / 2 dBi	52
LTE/GPS Magnet Mount B305	4G LTE / GPS	Magnetic	0 dBi / 2 dBi	52
GSM/UMTS/GPS/WiFi Screw Mount R41	2G GSM / 3G UMTS / WiFi / GPS	Screw mounting	0 dBi / 2 dBi / 0.5 dBi	53
GSM/GPS Screw Mount R36	2G GSM / GPS	Screw mounting	0 dBi / 2 dBi	53
GSM/GPS Screw Mount R31 SHARK	2G GSM / GPS	Screw mounting	0 dBi / 3 dBi	53
GSM/GPS Screw Mount R32	2G GSM / GPS	Screw mounting	1 dBi / 2 dBi	53
GPS/LTE/WiFi Screw Mount E008	GPS / 4G LTE / WiFi	Screw mounting	2 dBi / 2 dBi / 3 dBi	54
GPS/GLONASS/4G/WiFi Screw Mount E058	GPS / GLONASS / 4G LTE / WiFi	Screw mounting	2 dBi / 2 dBi / 3 dBi	54
LTE/GPS Screw Mount B062	GPS / 4G LTE	Screw mounting	3 dBi / 2 dBi	54
LTE/GPS Screw Mount B046L	4G LTE / GPS	Screw mounting	2.5 dBi / 2 dBi	54
GSM/Wifi Ceiling Mount R3	2G GSM / WiFi	Screw mounting	3 dBi / 3 dBi	55
LTE/GPS/WiFi MIMO Screw Mount E604LW	4G LTE / GPS / WiFi	Screw mounting	3 dBi / 2 dBi / 2 dBi	55
LTE/GPS/WiFi MIMO Screw Mount E072LW	GPS / 4G LTE / WiFi	Screw mounting	2 dBi / 3.5 dBi / 3 dBi	55
GPS/GLONASS Embedded GA10	GPS / GLONASS	Soldering	-6.7 / -5.2 dBi	58
GPS Embedded AP10	GPS	Patch	-3 dBi	58
GPS Embedded AP10	GPS	Soldering	0 dBi	58
GPS Embedded AA17	GPS	Patch	1 dBi	58
GPS Embedded AP25	GPS	Patch	1.5 dBi	59
GPS/GLONASS Embedded GA25	GPS / GLONASS	Patch	2.36 dBi / 2.55 dBi	59
Trimble GPS Embedded AP22	GPS	Patch	3 dBi	59
GPS/GLONASS Adhesive 20	GPS / GLONASS	Adhesive	0 dBi	60
GPS Adhesive 004	GPS	Adhesive	2 dBi	60
GPS/GLONASS Adhesive A057	GPS / GLONASS	Adhesive	2 dBi / 2 dBi	60
GPS Adhesive 30	GPS	Adhesive	3 dBi	60
GPS/GLONASS Adhesive 30	GPS / GLONASS	Adhesive	3 dBi	61
GPS/GLONASS Adhesive R40	GPS / GLONASS	Adhesive	3 dBi	61
GPS/GLONASS Adhesive L002	GPS / GLONASS	Adhesive / Magnetic	5 dBi	61
GPS/GLONASS Magnet Mount 152B	GPS / GLONASS	Magnetic	0 dBi	61
Trimble GPS + BEIDOU Magnetic Mount 100229-52	GPS / Beidou	Magnetic	0 dBi	62
Trimble GNSS AG25	GNSS	Magnetic	0 dBi	62
GPS Magnet Mount EA-200	GPS	Magnetic	1 dBi	62
GPS/GLONASS Magnet Mount R34C	GPS	Magnetic	1.5 dBi / 1.8 dBi	62
Trimble GPS Magnet Mount 5VB	GPS	Magnetic	3 dBi	63
Trimble GPS Magnet Mount 3VS	GPS / GLONASS	Magnetic	3 dBi	63
GPS/GLONASS Magnet Mount 004	GPS / GLONASS	Magnetic	3 dBi	63
GPS/GLONASS L1/L2 Screw Mount R55	GPS / GLONASS	Ceiling mounting	0 dBi / 1.5 dBi / 3 dBi	63
GPS/GLONASS Screw Mount R36	GPS / GLONASS	Screw mounting	0 dBi	64
GPS Screw Mount Marine 005	GPS	Screw mounting	0 dBi	64
Trimble Bulkhead GPS 3/5VT	GPS	Screw mounting	0 dBi	64
Trimble Bulkhead GPS/GLONASS 5VT-G	GPS / GLONASS	Screw mounting	0 dBi	64
Trimble Bullet GPS L1/L2	GPS L1 / GPS L2	Screw mounting	0 dBi	65
Trimble Bullet 40dB	GPS	Screw mounting	0 dBi	65
GPS Screw Mount Marine 211	GPS	Screw mounting	1.5 dBi	65
GNSS Screw Mount Marine 169	GPS / GLONASS	Screw mounting	2 dBi / 3.5 dBi	65
GPS Screw Mount 32	GPS	Screw mounting	2 dBi	66
GPS/GLONASS Screw Mount A601	GPS / GLONASS	Screw mounting	2 dBi	66
GPS/GLONASS Screw Mount L003	GPS / GLONASS	Screw mounting	2 dBi	66
Trimble Bullet GB	GPS / Beidou	Screw mounting	2.4 dBi	66
Trimble Bullet III GPS	GPS	Screw mounting	3 dBi	67
Trimble Bullet GG	GPS / GLONASS	Screw mounting	3.2 dBi	67
Trimble GNSS AV28	GLONASS / GPS	Screw mounting	4 dBi	67
Trimble Bullet 360	GPS / Beidou / Galileo	Screw mounting	4.3 dBi	67
GPS Screw Mount Marine 225	GPS	Screw mounting	5 dBi	68

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