

5G and LTE Antenna Lite >

Molex off-the-shelf (OTS) 5G and LTE Antenna Lite, designed for 2G/3G/4G/5G systems and devices, offers superior coverage and reliability with high efficiency and peak gain, making it ideal for a variety of wireless and networking applications.



5G and LTE Antenna Lite

FEATURES AND ADVANTAGES

Hinge joint allows 90° rotation on vertical plane and SMA connector allows 360° rotation on horizontal plane
Provides excellent directional coverage



5G and LTE Antenna Lite

High gain and efficiency for all major cellular bands
Provides strong and stable wireless connection



LTE/5G Antennas

Antenna connectors in straight and folded modes with SMA-Male and RP-SMA-Male mounting options
Offer design flexibility



150.40 by 19.90mm (straight mode)

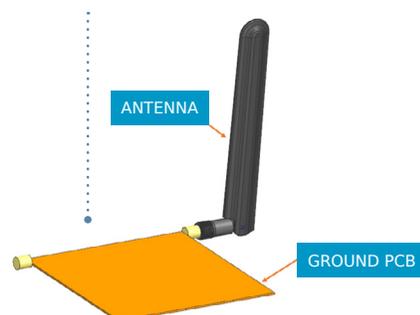


RP-SMA-Male



SMA-Male

Multi-protocol solution that supports GSM, CDMA, UMTS, LTE, 5G NR and other cellular bands
Makes it suitable for diverse applications



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APPLICATIONS

Connected Home

Security and surveillance
Home automation
Streaming devices
Smart appliances
Energy and utilities

IoT

Wireless solutions

Telecommunications/Networking

Infrastructure/networking

Commercial Vehicles

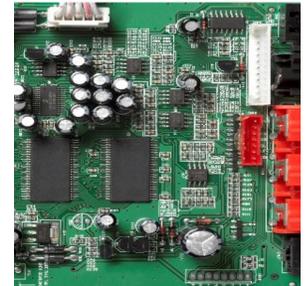
Networking



IoT



Networking



Cellular Communication Module

SPECIFICATIONS

Reference Information

Packaging: PET bag
Mates with: SMA jack receptacle
Designed in: Millimeters
RoHS: Yes

Physical

Size: 150.40 by 19.90mm (straight mode)
129.70 by 19.90mm (folded mode)
Material: Refer to sales drawings
Operating Temperatures: -40 to +85°C

Mechanical

Refer to product specifications

Electrical

Frequency: 698 to 960 MHz

RF Power: 2.0W
Return Loss: <-5 dB
Average Total Radiation Efficiency: >55%
Peak Gain: 1 dBi
Impedance: 50 Ohms

Frequency: 1.71 to 2.69 GHz

RF Power: 2.0W
Return Loss: <-5 dB
Average Total Radiation Efficiency: >70%
Peak Gain: 4.5 dBi
Impedance: 50 Ohms

Electrical

Frequency: 3.3 to 4.2 GHz

RF Power: 2.0W
Return Loss: <-5 dB
Average Total Radiation Efficiency: >60%
Peak Gain: 3.6 dBi
Impedance: 50 Ohms

Frequency: 4.2 to 5 GHz

RF Power: 2.0W
Return Loss: <-10 dB
Average Total Radiation Efficiency: >65%
Peak Gain: 3.5 dBi
Impedance: 50 Ohms

www.molex.com/link/external_antennas.html