

Flexible LTE Internal Strip Antenna



EM-LTE Antenna

- Flexible Circuit Board
- 695-960 MHz and 1710-2700 MHz bands
- Bend Radius of 2.5 Inches

The EM-LTE is a broadband Cellular and LTE circuit board that covers both the 695-960 MHz band and the 1710-2700 MHz bands and provides 2 dB gain across the entire bandwidth.

This antenna features an innovative PCB flexible circuit board material with a bend radius of 2.5 inches (6.35cm); allowing it to fit in almost any space or enclosure.

Our antennas have been used in applications as diverse as smart meters and vending machines.

Measuring only 1.3" (3.4 cm) by 5.4" (13.7cm) in diameter, the EM-LTE is a compact embedded antenna that can be mounted inside wireless devices or access points that are used in a wide variety of different M2M settings. This slim profile (.20 mm) antenna mounts with VHB tape.

A standard RG-174 thin flexible cable is soldered to the feed point and an SMA plug (or male) connector is used to make the connection. The product comes standard with 12 inches (30.5 cm) of RG-174 cable, but custom cable lengths are available. The maximum power of this antenna is 5 watts.

If there is something unusual about the final setting or application, Mobile Mark can help with a custom designed antenna.

Mobile Mark has the experience to design just the right antenna for your device. We offer state of the art design capabilities, including 3-D simulations using design software. We also offer in-house prototype development for quick turn-around.

The boards have a special coating to inhibit oxidation and maintain performance.

Model #	Description
EM-LTE-2C-12	Embedded circuit board antenna
Other connectors are available.	

Specifications			
Frequency:	695-960 & 1710-2700 MHz	Dimensions:	5.4" x 1.3" (13.7cm x 3.4cm)
Gain:	2 dBi	Cable/Connector:	12-inches (30.5cm) RG-174 with SMA plug
VSWR:	2.5:1 max	Radome Material:	PCB Only
Operating Temp:	-30° to +80° C	Mounting:	VHB Tape
Nominal Impedance:	50 Ohm		
Maximum Power:	5 watts		
Bend Radius:	2.5" (6.35cm)		