

# EM-600/7200

## FLEXIBLE EMBEDDED OMNIDIRECTIONAL ANTENNA

### PRODUCT OVERVIEW

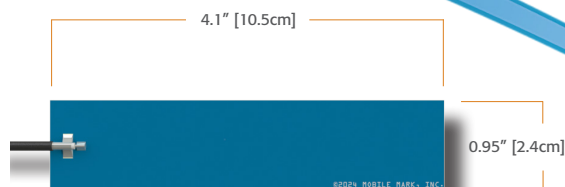
The EM Series is an embedded, flexible, and omnidirectional antenna. Its small size makes it ideal for all 5G IoT applications where internal cellular antennas are required.

- **Embedded and Powerful:** compact and flexible PCB internal strip allows for durability and ease of installation. The flexible PCB has a special coating to inhibit oxidation and maintain high performance. The EM Series covers all cellular 5G/LTE bands, 617-960 MHz and 1710-7200 MHz.
- **Custom Design:** the EM series is customizable as the cable type, length, and connector can all be changed from the standard options to fit your specific needs.
- **Rapid Delivery;** need it fast? General lead time is (3) weeks or less.

Tested and trusted, Mobile Mark focuses on quality, fast delivery, and leveraging the expertise of highly skilled professionals, specializing in customizable manufacturing solutions across North America and Europe. By combining advanced technologies with comprehensive team knowledge, we ensure tailored products that meet diverse needs, all delivered efficiently to exceed expectations.

To Purchase, visit [www.TheAntennaStore.com](http://www.TheAntennaStore.com).

Electrical Specifications		
Frequency & Gain	5G	617-960 MHz, 2 dBi Peak 1710-7200 MHz, 7 dBi Peak
VSWR	< 3:1 max	
Impedance	50 Ohms Nominal	
Power Rating	5 Watts max	
Mechanical Specifications		
Radome Material	Flexible PCB	
Radome Dimension	4.1" (10.5cm) L x 0.95" (2.4cm) W x .008" (0.02cm) T 2.5" (6.3cm) Flex. Radius	
Cables	LMR-100 Cables for 5G Sub-6, 12" (30.5cm)	
Standard Connectors	SMA Plugs (M)	
Operating Temperature	-40° to +80° C	
Mounting	High Performance Double Sided VHB Tape included, 0.8" (2.0cm)	
RoHS Compliant	Yes	



### HIGHLIGHTS:

- Covers all Cellular Bands, 617-960 & 1710-7200 MHz
- Compact, Flexible, and Versatile
- High Performance, High Reliability
- Easy to Install
- Fast Delivery
- Manufactured in North America & Europe

### COMMON APPLICATIONS:

- Smart Meters
- Vending Machines
- Customer Premises Equipment (CPE)
- IoT Applications Requiring Internal Cellular Antennas

### EM SERIES - PRODUCT MODELS:

- EM-600/7200 - 5G
- EM-LTE - LTE

### BANDS:

- 5G NR: n1, n2, n3, 4, n5, 6, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n65, n66, n67, n70, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n96, n98, n100, n101, n102, n104, n105, n106
- LTE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 70, 71, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 89, 90, 95, 96, 98, 100, 101, 102, 104, 105, 106, 252, 255



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