



Patent No. US 9,520,640

EM-M20007 LTE-Poly Pro Flexible Poly-Band Antenna 4G/LTE NMO Applications

- Capacitive Coupled Design Optimizes LTE Signal Performance while Maintaining Low-Profile Tapered Form Factor
- Flexible Elastomeric Polymer Housing Resists High Speed Impact and Damage from low hanging obstructions
- Dust and O-ring Seals for Reliable High Pressure Car Wash & Waterproof Performance (IP66)
- Rugged “All Brass” Construction with Black Chrome Finish and Silver Plated Contact Maximizing Conductivity and System Reliability
- *Patented* Multi-band Performance to Comply Simultaneously with all LTE Operational Bands

Electrical Specifications

Frequency Bands	698-960 MHz / 1710-2500 MHz	
VSWR	1.5:1 typical, 2:1 max	
Impedance	50Ω	
Gain	698-960 MHz	2 dBi (698-960 MHz)
	1710-2150 MHz	3 dBi (1710-2150 MHz)
	2150-2500 MHz	5 dBi (2150-2500 MHz)
Power Rating	100 W	
Polarization	Linear, Vertical	
E-Plane	70 Degrees / 35 Degrees, Nominal	
H-Plane	Omnidirectional	
Ground Plane	Required	

Mechanical Specifications

Height	4.0 in. (102 mm)
Diameter	1.6 in. (40 mm)
NMO Mount Type*	EM-M11001-195, EM-MTR11001-195
Color	Black
Radiator Material	Brass / Black Chrome Plating
Radome Material	Elastomeric Polymer, Proprietary
Operating Temperature	-40° to 85° C
Corrosion	Salt Fog
Humidity	95%
Vibration	AAR & MIL-STD810E

*Recommended NMO Mounts/Cable Assemblies sold separately.
Performance may vary when using other manufacturer's (not recommended) NMO type mounts.