Product Data Sheet



EM-M20007 LTE-Poly Pro

IP66 Rated 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)
- Next Gen Design Incorporates Expanded Frequency Range and Reduced Height
- *Patented* Multi-band Performance to Comply Simultaneously with all LTE Operational Bands

Patent No.US 9,520,640

Electrical Specifications

Frequency Bands		698-960 MHz / 1710-2700 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)
	2150-2700 MHz	5 dBi (2150-2700 MHz)
Power Rating		100 W
Polarization		Linear, Vertical
E-Plane		70 Degrees / 35 Degrees, Nominal
H-Plane		Omnidirectional
Ground Plane		Required

Mechanical Specifications

Height	3.63 in. (92 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.
Specifications subject to change without notification.

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