Product Data Sheet



Patent No. 9,520,640

EM-M22001 LMR Poly Pro

Flexible Multi-Band Antenna for UHF/700-900 MHz NMO Applications

- Capacitive Coupled Design Optimizes Signal Performance while Maintaining Low-Profile Tapered Form Factor
- Flexible Elastomeric Polymer Housing Resists High Speed Impact from Debris and Low Hanging Obstructions
- Dust and O-ring Seals for Reliable High Pressure Car Wash & Water-resistant IP66 Performance
- Rugged “All Brass” Construction with Black Chrome Finish and Silver Plated NMO Contact Maximizing Conductivity and System Reliability
- *Patented* Multi-band Performance to Comply Simultaneously with LMR Operational Bands for UHF T-BAND/700/800/900 MHz

Electrical Specifications

Frequency Bands		450-520 MHz / 746-960 MHz
VSWR		1.5:1 typical, 2:1 max
Impedance		50Ω
Gain	450-520 MHz	2 dBi
	746-960 MHz	2 dBi
Power Rating		150 W
Polarization		Linear, Vertical
E-Plane		70 Degrees, Nominal
H-Plane		Omnidirectional
Ground Plane		Required

Mechanical Specifications

Height	4.95 in. (125.8mm)
Diameter	1.6 in. (40 mm)
Color	Black
Radiator Material and Finish	SS and Brass w/Black Chrome
Radome Material	Dual shot ASA/TPE base
Flexible Housing	Elastomeric Polymer, Proprietary
Operating Temperature	-40° to 85° C
Corrosion Resistance	Salt Fog and Automotive Fluids
Vibration	AAR & MIL-STD 810E

Specifications subject to change without notification.

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