



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 400/700/800/900 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	Xenoy™	
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.