Product Data Sheet



Patent No.US 9,520,640

EM-M11019 Poly Pro

Hi-Flex Impact Resistant
900 MHz ISM Low Profile Antenna

- Patented Capacitive Coupled Design
  - All Brass/Copper Components
  - 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)
- Designed specifically for extreme environmental resistance and high vibration applications.
- Industry's Only Low Profile Antenna product protected within a rugged flexible housing.

Electrical Specifications

Frequency Band	902-928 MHz
VSWR	1.5:1 max.
Impedance	50Ω
Gain	2 dBi
Power Rating	100 W
Polarization	Linear, Vertical
E-Plane	70 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, Copper / 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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