

2 dBi Poly Flex Vehicular Antenna

450-520/746-960 MHz NMO Mount Connector

This multi-band compact UHF mobile omnidirectional antenna is ideally suited for multipoint mobile applications including service vehicles, public transportation, public safety, mining and construction vehicles, as well numerous other commercial and industrial applications where mobility and wide coverage is desired. This antenna features a flexible Poly Spring base. Unlike the traditional metal spring base, the Poly Spring will not corrode and does not generate electrical noise when flexed during use. It has a standard TAD/NMO Motorola-type mobile base.

Configuration

Design	Vehicular
Gain	2 to 2 dBi
Polarization	Linear, Vertical
Connector Type	NMO Mount

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	450		960	MHz
Input VSWR		1.5:1	2:1	
Impedance		50		Ohms
Gain		2		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		70		Degrees
Input Power			150	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.45-0.52	0.746-0.96				GHz
Gain	2	2				dBi

Mechanical Specifications

Radome Material	Xenoy™
Housing Material	Brass
Housing Plating/Color	Black Chrome

Size

Base Diameter	1.6 in [40.64 mm]
Length	0 in [0 mm]
Width	0 in [0 mm]
Height	4.95 in [125.73 mm]
Weight	0.188 lbs [85.28 g]

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
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Humidity

95%

Vibration

AAR & MIL-STD810E

Corrosion

Salt Fog & Automotive Fluids



Features:

- Compactive Coupled Desing Optimizes LTE Signal Performance while Maintaining Low-Profile Tapered Form Factor
- Flexible Elastomeric Polymer Housing Resist High Speed Impact and Damage from low hanging obstructions
- Dust and O-ring Seals for Reliable High Pressure Car Wash & Waterproof Performance (IP66)
- Design Incorporates Expanded Frequency Range and Reduced Height
- Patented Multi-band Performance to Comply Simultaneously with all LTE Operational Bands

Applications:

- Service Vehicles
- Public Safety
- Public Transportation
- Mining & Construction

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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

2 dBi Poly Flex Vehicular Antenna 450-520/746-960 MHz NMO Mount Connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 dBi Poly Flex Vehicular Antenna 450-520/746-960 MHz NMO Mount Connector FM51MP1011](#)

URL: <https://www.fairviewmicrowave.com/2-dbi-poly-flex-vehicular-antenna-450-520-746-960-mhz-nmo-mount-connector-fm51mp1011-p.aspx>

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