

3 dB Tunable Poly Spring Vehicular Antenna 420-470 MHz NMO Mount Connector

This 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 standard TAD/NMO Motorola-type mobile base.

Configuration

Design	Vehicular
Gain	3
Polarization	Linear, Vertical
Connector Type	NMO Mount

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range (Tunable Range)	420		470	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		3		dB
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		50		Degrees
Input Power			150	Watts

Mechanical Specifications

Size	
Length	14.37 in [365 mm]
Width	0 in [0 mm]
Height	0 in [0 mm]
Weight	0.156 lbs [70.76 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Humidity	95%
Corrosion	Salt Fog

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

Plotted and Other Data

Notes:



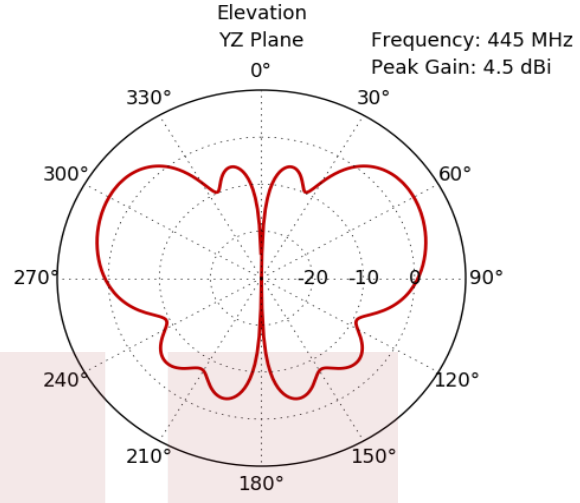
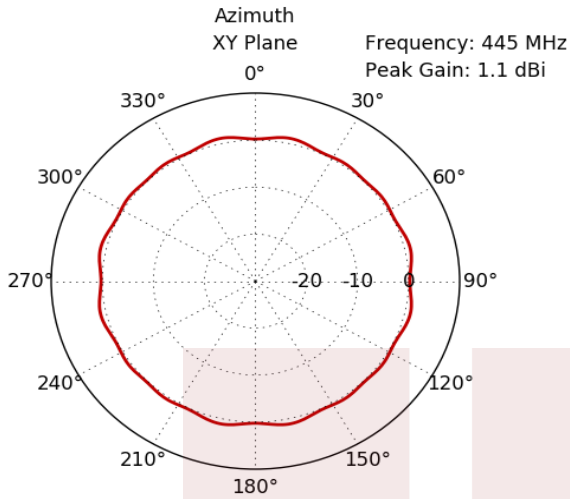
Features:

- NMO mount, Black Chrome Finish
- Flexible Black Polymer Alloy Spring
- Broad Band, Field Tuneable
- O-ring seal for waterproof construction
- Durable Xenoy™ base with TPV over mold dust seal and grip ring

Applications:

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

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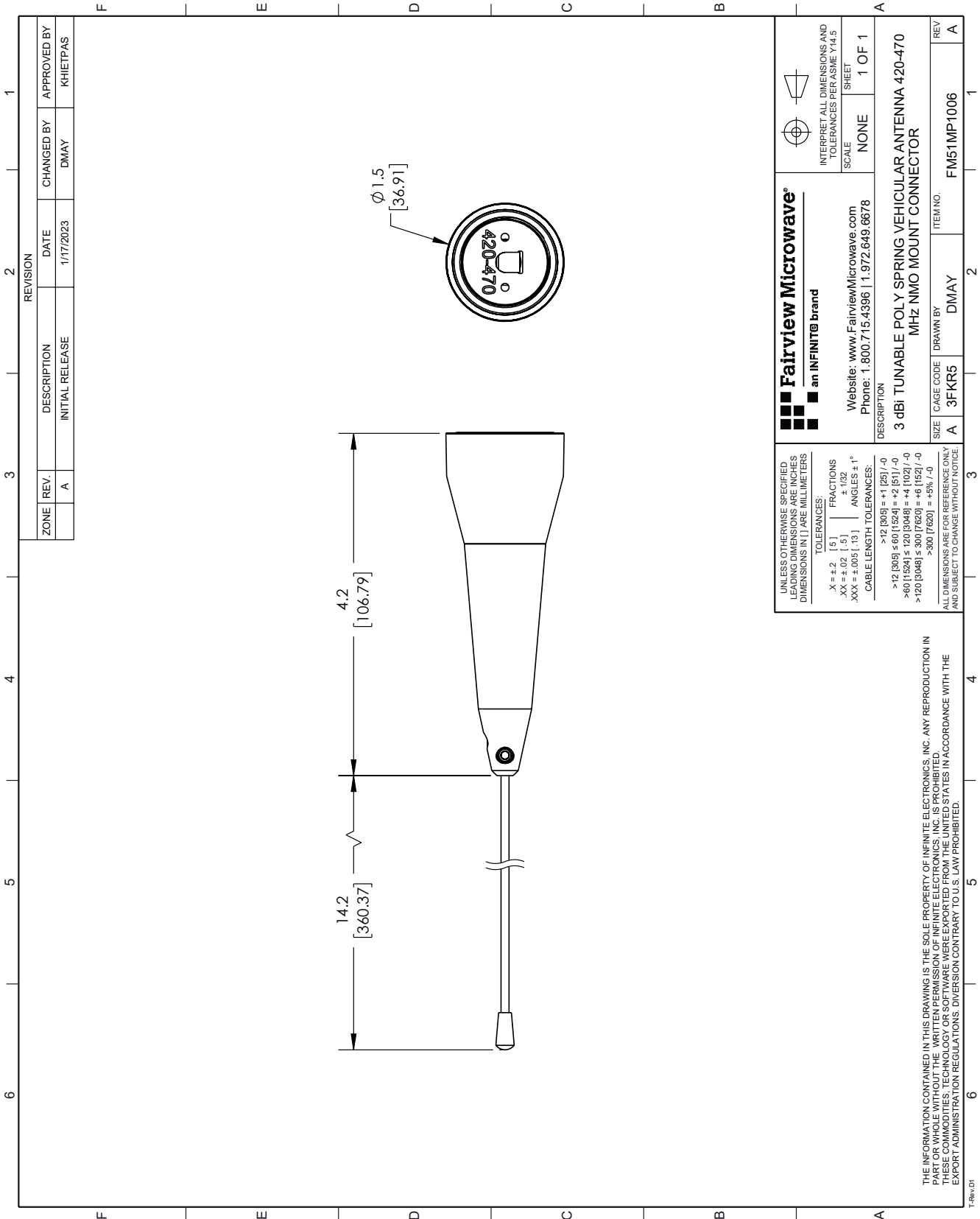


3 dB Tunable Poly Spring Vehicular Antenna 420-470 MHz NMO Mount Connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [3 dB Tunable Poly Spring Vehicular Antenna 420-470 MHz NMO Mount Connector FM51MP1006](https://www.fairviewmicrowave.com/3-db-tunable-poly-spring-vehicular-antenna-420-470-mhz-nmo-mount-connector-fm51mp1006-p.aspx)

URL: <https://www.fairviewmicrowave.com/3-db-tunable-poly-spring-vehicular-antenna-420-470-mhz-nmo-mount-connector-fm51mp1006-p.aspx>

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REVISION		DATE	CHANGED BY	APPROVED BY
ZONE	REV.	DESCRIPTION	INITIAL RELEASE	
	A			

Fairview Microwave[®]
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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
SCALE: NONE
SHEET: 1 OF 1

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. DIMENSIONS IN LARGE MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5] | FRACTIONS ± 1/32
 .XX = ±.02 [.5] | ANGLES ± 1°
 .XXX = ±.005 [.13]

CABLE LENGTH TOLERANCES:
 >12 [305] = ±1 [25] / -0
 >12 [305] ≤ 60 [1524] = +2 [51] / -0
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

DESCRIPTION	ITEM NO.	REV
3 dB TUNABLE POLY SPRING VEHICULAR ANTENNA 420-470 MHz NMO MOUNT CONNECTOR	FM51MP1006	A

SIZE	CAGE CODE	DRAWN BY
A	3FKR5	DMAY

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