

698-960/1710-2700 MHz, 2 to 5 dBi Poly Flex
Vehicular Antenna, NMO Mount Connector



HG6917PF-NMO

Features

- Expanded Frequency Range
- Coupled Design Optimizes LTE Signal Performance with Low-Profile Form Factor
- IP66 Rated Water and Weatherproofing to Handle High Pressure Car Wash and Wear & Tear
- Flexible Elastomeric Polymer Housing Resists High Speed Impact From Low Hanging Obstructions

Applications

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

Description

The L-com HG6917PF-NMO multi-band mobile omnidirectional antenna is ideally suited for multipoint mobile applications. This includes service vehicles, public transportation, public safety, mining and construction vehicles. The 2 dBi to 5 dBi omni antenna features a flexible Poly Spring base. The Poly Flex Spring will not corrode or create electrical noise when flexed during use. The HG6917PF-NMO from L-com comes with a standard TAD / NMO Motorola type mobile base.

Configuration

Design	Vehicular
Band Type	Multi
Radiation Pattern	Omni Directional
Polarization	Linear, Vertical
Ground Plane	Required
Connector Type	NMO Mount
Housing Material and Plating	Brass, Black Chrome

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	698		2.7	MHz
Input VSWR		1.5:1	2:1	
Impedance		50		Ohms
Horizontal (Azimuth) HPBW		Omnidirectional		
Vertical (Elevation) HPBW		70		Degrees
Input Power			100	Watts

Specifications by Band

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[698-960/1710-2700 MHz, 2 to 5 dBi Poly Flex Vehicular Antenna, NMO Mount Connector HG6917PF-NMO](#)

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Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	698-960	1,710-2,150	2,150-2,700			MHz
Gain	2	3	5			dBi

Mechanical Specifications

Radome Material	Elastomeric Polymer
Housing Material	Brass
Housing Plating/Color	Black Chrome
Mounting Application	NMO Mount
Base Diameter	1.6 in [40.64 mm]
Height	3.63 in [92.2 mm]

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Installation Instructions

HG6917PF-NMO (698-960/1710-2700 MHz) LTE POLY PRO LOW PROFILE MULTI-BAND NMO MOUNT ANTENNA

*Congratulations on your selection of another quality antenna product from L-COM.
L-COM is committed to continually provide the greatest antenna VALUE for your wireless applications.*

1. Parts (Figure 1): Verify all parts are included with the antenna as shown in Fig. 1.

- A. Antenna
- B. O-ring

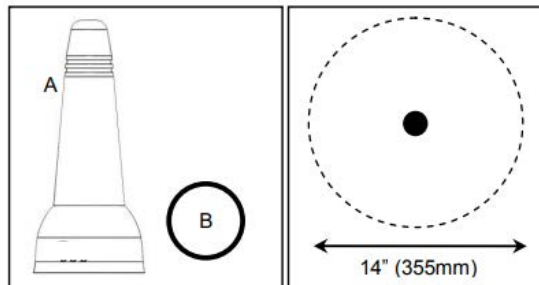


Fig. 1

Fig. 2

2. Pre-Installation (Fig. 2)

- A. The PE51MP1010 antenna is designed for installation to a high quality, low loss NMO mount (sold separately, see Fig.3).
- B. For best performance, the metallic ground-plane installation surface should be approximately 14" (335mm) diameter or greater.
- C. Verify that the surface immediately surrounding the NMO mount is flat, properly cleaned and clear of obstructions.

3. Installation

- A. Press O-ring around the base of the NMO antenna mount as shown in Figure 3.
- B. Thread antenna onto NMO mount. Tighten with firm hand torque until O-ring is completely seated against mounting surface.
- C. **CAR WASH REMOVAL (Fig. 4):** Using one hand, hold the antenna at the base adapter with a firm grip. Using the opposite hand, detach the Poly Spring from the vase by unthreading with a Counter Clockwise (CCW) rotation. **Note:** Leave the NMO Base adapter attached to the NMO mount to protect the mount from water and debris.

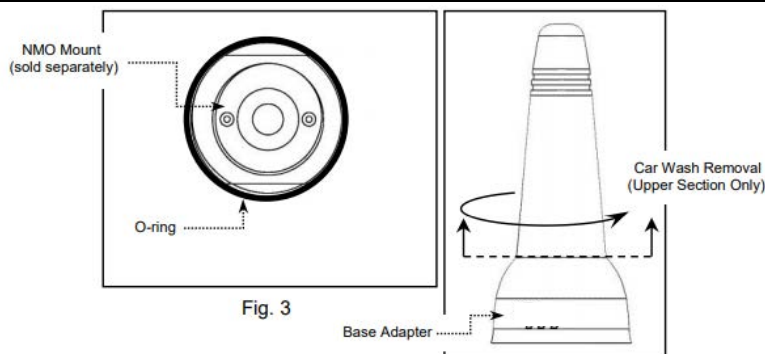


Fig. 3

Fig. 4

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Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

Humidity

95%

Vibration

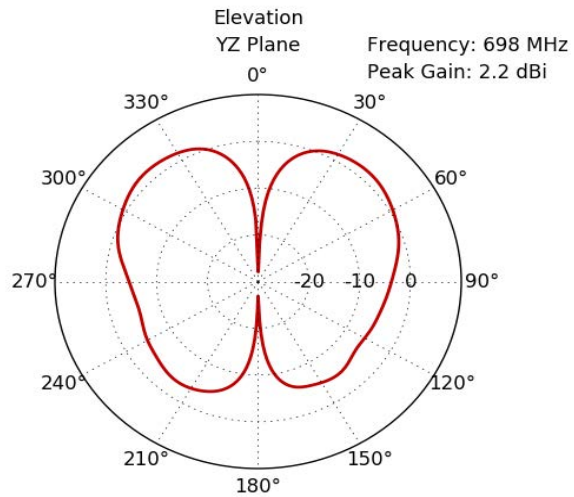
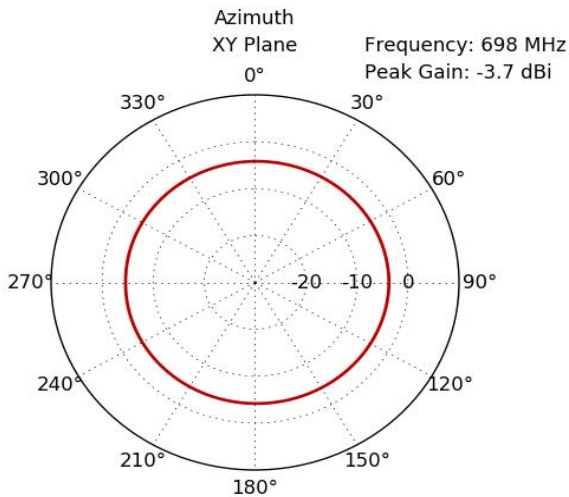
AAR & MIL-STD810E

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

Plotted and Other Data

Notes:

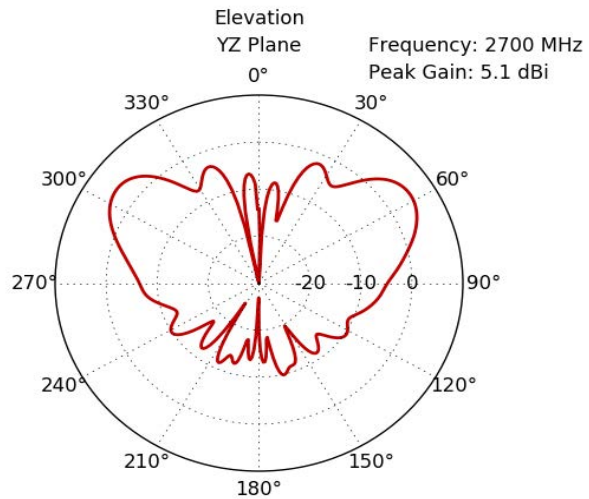
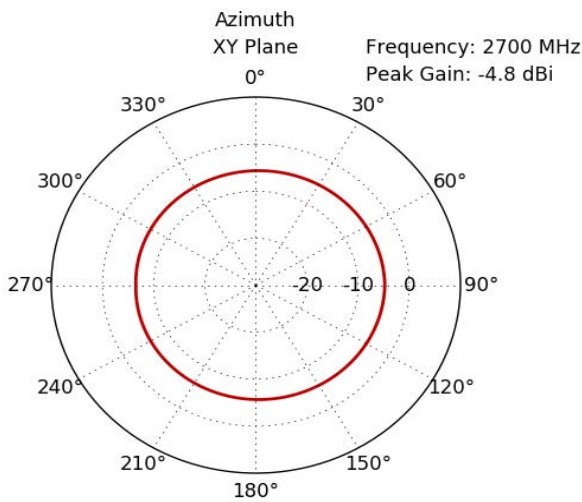
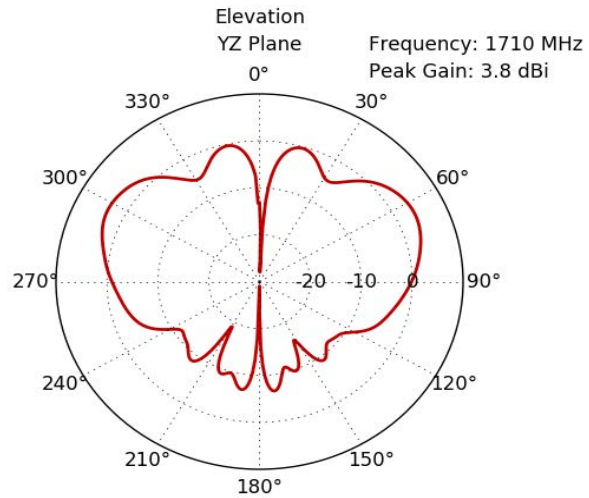
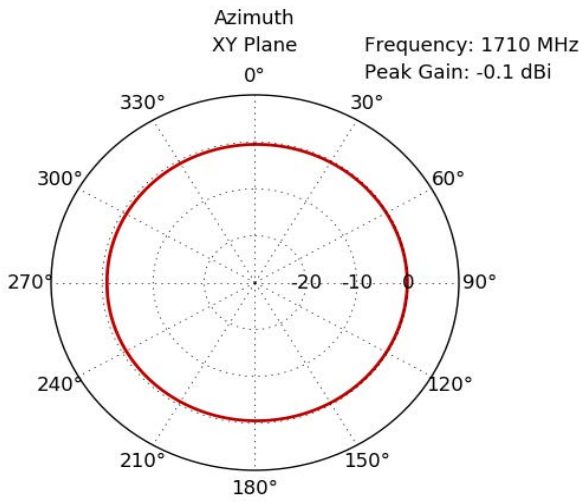
Typical Radiation Pattern



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698-960/1710-2700 MHz, 2 to 5 dBi Poly Flex Vehicular Antenna, NMO Mount Connector from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and

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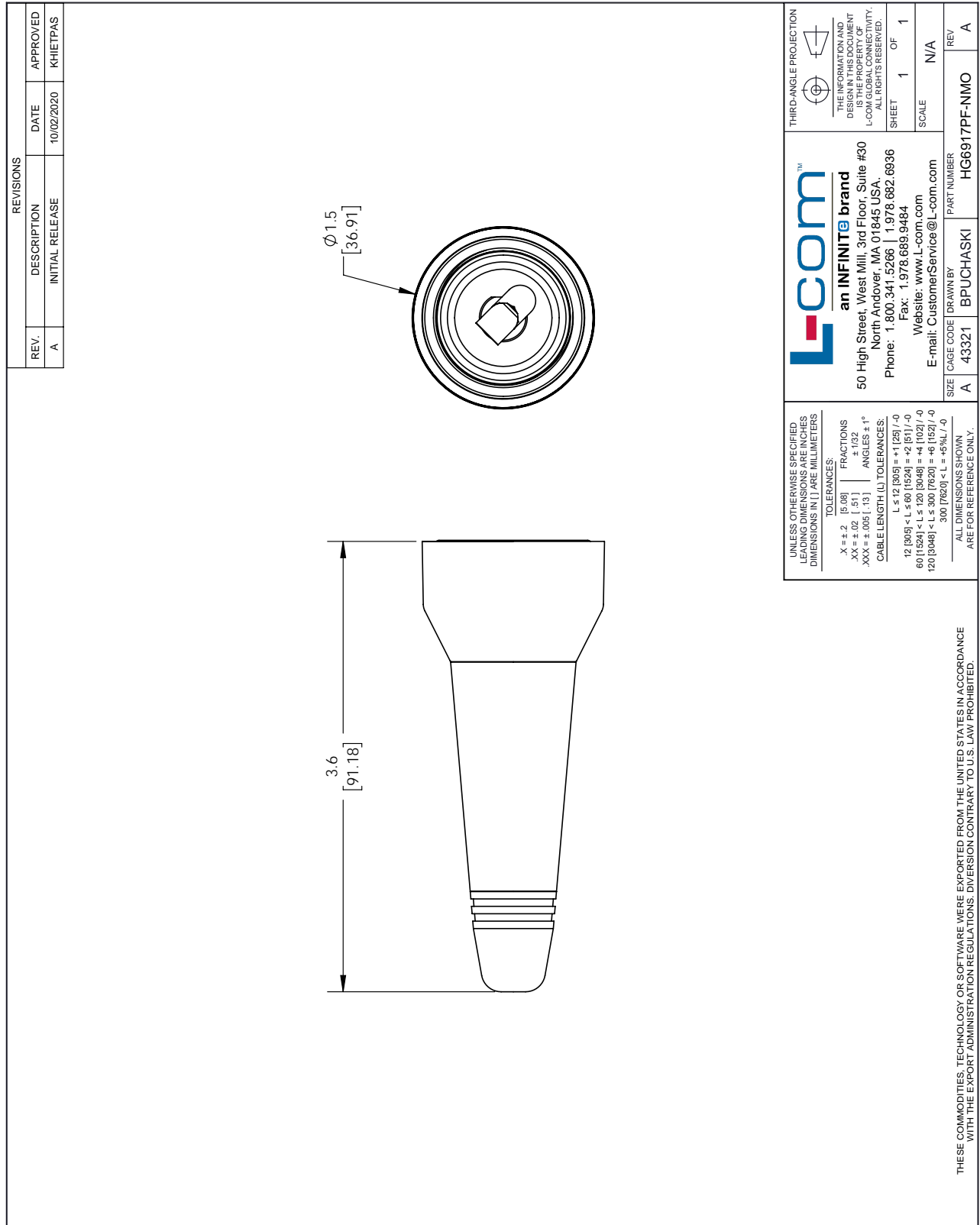
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active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

L-com CAD Drawing



T-Rev.D