



Laird Connectivity mobile antennas and accessories are the world standard for reliable, high-performance communication parts. Established in-market presence, innovative design techniques, verified product specifications, and a variety of connection options adds to Laird's reputation for rugged reliability in hazardous situations and harsh environments.

As the industry leader in mobile antenna products and accessories Laird produces antennas and accessories in a diverse number of styles and configurations. To ensure maximum reliability antennas and accessories are engineered and manufactured to deliver optimum performance within published specifications in operational critical applications.

FEATURES AND BENEFITS

- High-performance mobile antenna that operates on a non-metallic surface or no ground plane (NGP)
- High-performance whipless design for mobile applications
- Easy installation with optional NMO mounts
- Patented field diversity – Pat No. 5,977,931 and 6,292,156
- 100% tested on a network analyzer

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	450-470	806-866	821-896	890-960	2400-2500
VSWR – Avg	<2:1				
Gain (dBi)	3.0				
Nominal Impedance (Ohms)	50				
Max Power - Ambient 25°C (W)	10				
Polarization	Vertical and horizontal				
Pattern	Omni-directional				
Half-power Beamwidth (Elevation ° x Azimuth °)	130 x 360				

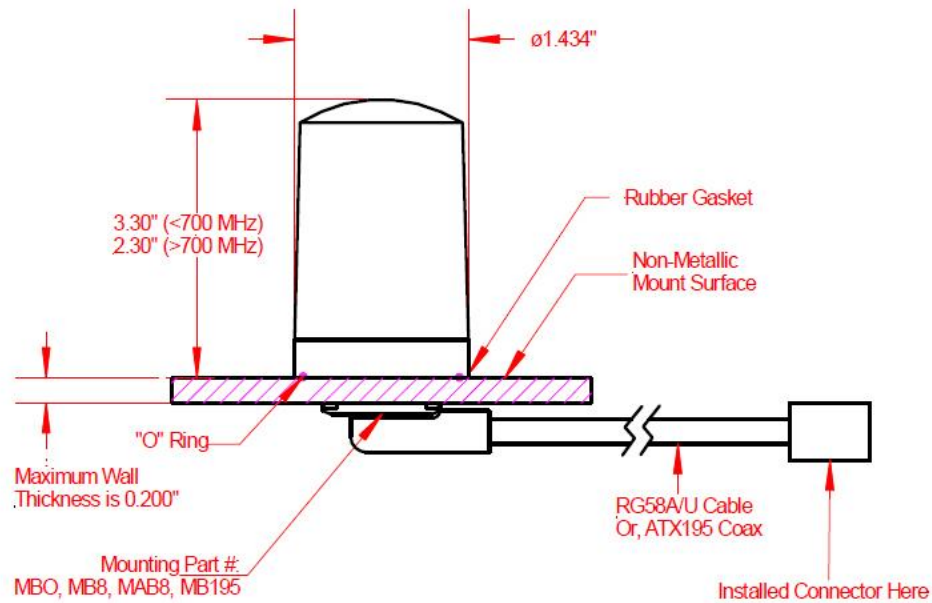
MECHANICAL SPECIFICATIONS

Dimensions – height x diameter – cm (inches)	NMO socket: 8.38 x 3.65 (3.30 x 1.44) Type N-female: 5.84 x 3.65 (2.30 x 1.44)
Weight – kg (lbs.)	NMO socket: 0.07 (0.15) Type N-female: 0.11 (0.25)
Connector	NMO socket or Type N-female
Radome Material	ABS
Radome Color	Black or white
Mounting Information	<1000 MHz NMO (PN: MB8, MAB8) DC to 6 GHz NMO (PN: MB195)

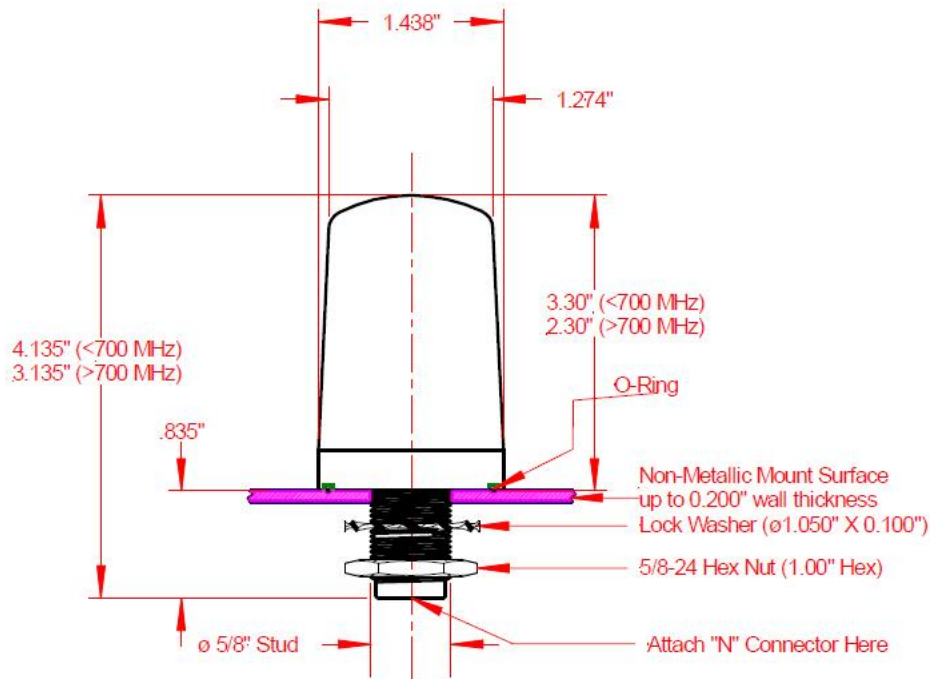
CONFIGURATION

PART NUMBER	FREQUENCY	MOUNT	CONNECTOR
TRA(B)4500N	450-470 MHz	NMO	NMO
TRA(B)4500NP	450-470 MHz	Permanent	N-female
TRA(B)8063N	806-866 MHz	NMO	NMO
TRA(B)8063NP	806-866 MHz	Permanent	N-female
TRA(B)8213N	821-896 MHz	NMO	NMO
TRA(B)8213NP	821-896 MHz	Permanent	N-female
TRA(B)8903N	890-960 MHz	NMO	NMO
TRA(B)8903NP	890-960 MHz	Permanent	N-female
TRA(B)24003N	2400-2500 MHz	NMO	NMO
TRA(B)24003N	2400-2500 MHz	Permanent	N-female
TRADCA	N/A – Mount only	Drop Ceiling	Drop Ceiling

MECHANICAL DRAWING



NMO models

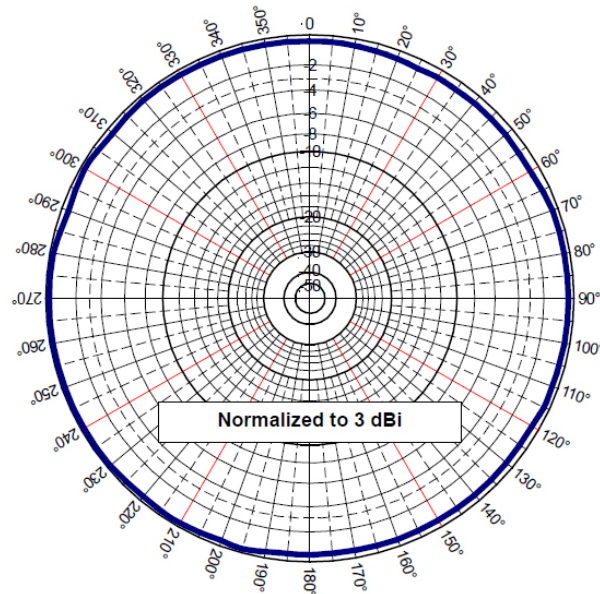


P-mount models

RADIATION PATTERNS

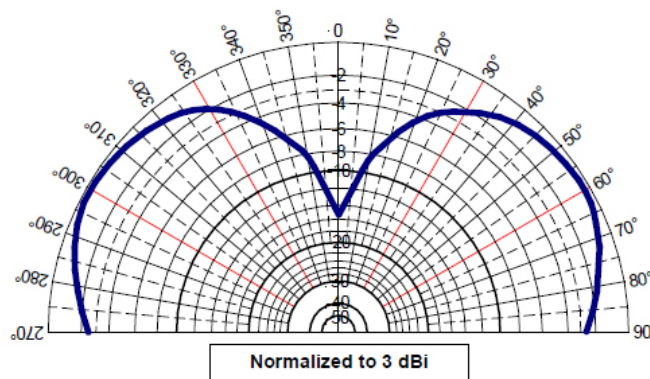
Azimuthal Pattern (X, Y, or E-plane)

Typical Radiation Pattern



Elevation Pattern (Z, Y, or H-plane)

Typical Radiation Pattern



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