



2DG1215X-MNX-X-A ANTENNA FAMILY

GPS L1/L2 Antenna with External Magnet Mount

The 2DG1215X-MNX-X-A product family is designed for Global Positioning System (GPS) signal reception in the L1 and L2 frequency bands. This product family is designed with a small round enclosure for easy integration onto new and existing platforms. The rugged enclosure includes an external magnetic mount for easy system integration and testing. The enclosure is designed to withstand the harsh environmental conditions seen in military, aerospace, and other applications.

Antcom is able to customize this product family to meet your specific requirements. Please contact us for more information about customization options.

BENEFITS

- Rugged GPS L1/L2 antenna
- Small enclosure for small size & low weight
- Magnet mount for easy testing & installation
- Many standard options available, and customizable if required

FEATURES

- GPS L1/L2 with M-Code support
- External magnet mount included
- Passive or active (amplifier) configurations available



OPTIONS

COLOR	<ul style="list-style-type: none">• Gloss White• Lusterless Gray• Camo Green• Lusterless Black• Desert Tan
CONNECTOR	<ul style="list-style-type: none">• S: SMA
LNA GAIN	<ul style="list-style-type: none">• With LNA• Without LNA

ELECTRICAL

Frequency Range:	
L1 GPS	1575.42 ± 12 MHz
L2 GPS	1227.60 ± 12 MHz
VSWR	<2.0:1
Impedance	50 ohms
Polarization	RHCP

MECHANICAL & ENVIRONMENTAL

Designed to:

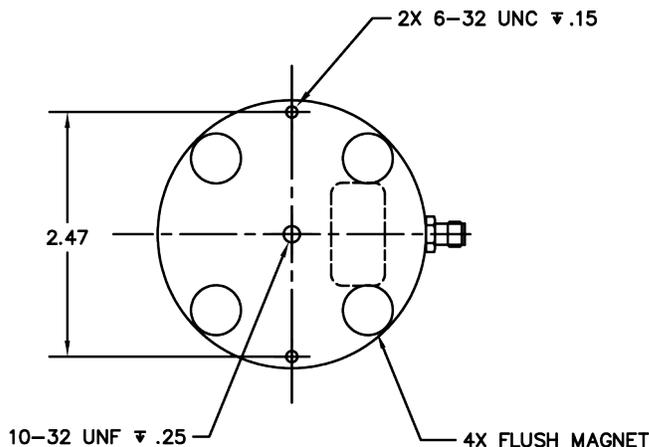
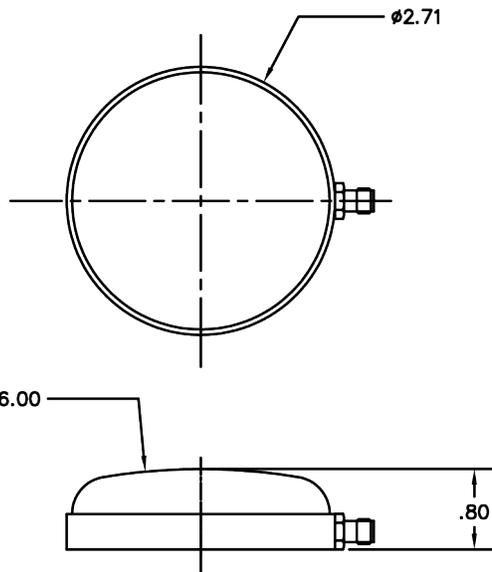
Weight	4.8 oz
Temperature	-55°C TO +85°C
Altitude	70,000 ft
Vibration	> 30 Grms

TYPICAL LNA PERFORMANCE

LNA Gain	See Options Table
LNA Noise Figure	3.5 dB
LNA P1dB Out	+13 dBm
LNA DC Power	(3.8 - 15) V <70 mA

LIMITING & FILTERING

Power Handling	1 Watt CW
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PART NUMBER DECODER

2DG1215X-MNX-X-A

LNA Gain
A = With LNA
P = Without LNA

Color (PER AMS-STD-595)
1 = Gloss White #17925
2 = Lusterless Gray #36320
3 = Camo Green #34094
4 = Lusterless Black #37038
5 = Desert Tan #33446

Connector
S = SMA

CONTACT ANTCOM

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