

L1L2-2GAD

RA-1 Remote Antenna

KEY FEATURES

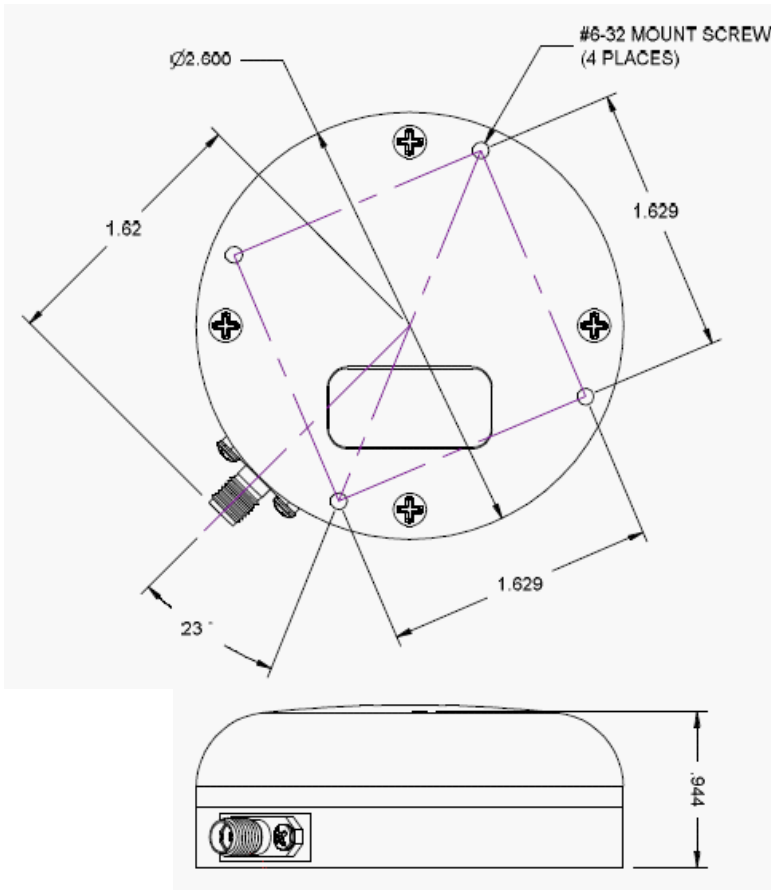
- » Designed Specifically for Operation with the Defense Advanced GPS Receiver (DAGR)
- » L1/L2 Dual Band
- » High Out-of-Band Rejection
- » Spec Compliant Performance over Entire Environmental and Voltage Range
- » Multiple Color Options: Gloss White, Olive Drab Green, Lusterless Black, Desert Sand, Lusterless Gray
- » Bolt Mount Design
- » Will work with DAGR
- » Available with Bottom or Side Mount Connectors

INTRODUCTION

The L1L2-2GAD is a dual band active L1/L2 GPS antenna that is specifically designed for operation with the US DoD DAGR military grade receiver. The L1L2-2GAD is available with multiple connector options and various radome colors. It is compact, lightweight and water resistant.

DURABLE, HI PRECISION, BUILT TO LAST

For surface mobility, the GPS Source Mil-Spec 2.6" DAGR antenna offers exceptional performance with unsurpassed reliability. Designed to support the Warfighter, the portable, yet precise GPS L1/L2 DAGR antenna receives the L1 & L2 signals. It complies with all RA-1 environmental and electrical specifications.



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NAICS: 334220, 334290, 334511,
541330, 541690

L1L2-2GAD RA-1 Remote Antenna

L1/L2 DAGR Mil Spec GPS Antenna

Operating Frequencies	L1 (1575.42MHz) Bandwidth +/- 15MHz L2 (1227.60MHz) Bandwidth +/- 15MHz
Polarization	RHCP
Element Gain (Active) at 4 ft G.P.	L1 3dBic min. L2 3dBic min.
Axial Ratio	2dB max
LNA Gain Output = 50Ω	L1: 30dB min L2: 30dB min
LNA DC Power	2.5 - 16 VDC (35 mA max)
Noise Figure	3dB max
LNA OP1dB Compression	8dBm
LNA OIP3	20dBm
Rejection @ +/- 50MHz (Active)	>12dB
Rejection @ +/- 100MHz (Active)	>42dB
Out Impedence	50Ω
SWR	2.0:1
Temperature	-54°C to 71°C
Altitude	50,000 ft

Physical Specifications

Size	Diameter: 2.6" Height: .944"
Weight	6.4 oz
Base Finish	Iridite per Mil-C-5441
Connector	Side Mount: SMA-F Bottom Mount: N-F, TNC-F, SMA-F
Paint	Color per FED-STD-595B

Built to Military Specifications

Meets Mil Spec MIL-STD-810, MIL-C-5541, MIL-E-5400, MIL-1-45208A, MIL-STD-461, MIL-STD-1472, DO-160D

ABOUT US

GPS Source is a 100% veteran owned, original equipment manufacturer (OEM) that designs, manufactures and sells high-precision GNSS/GPS technology for the Defense Industry.

