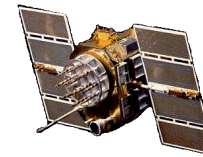




Active or Passive L1 GPS Antenna, P/N: 2G15A-XTBR-X

2.6" Diameter, Centered Bulkhead/Back Mount Configuration



ISO 9001:2008/FAA Approved Facility

Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

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Spherical R6.000 [R152.40]

**X, Y Phase Center = 0.0
Z Phase Center = .510 [12.95]**

TNC BULKHEAD CONNECTOR
(OPTION: TNC, SMA, N, N Bulkhead, MCX, MMCX, or Cable)
Clearance Hole: 0.4" Dia. for SMA, MCX, & MMCX Con.
0.52" Dia. for TNC Con.
0.63" Dia. for N Con.

Optional Mounting:
4X 6-32 UNC-2B, 0.160" Deep, & ADHESIVE GASKET

3. ADHESIVE GASKET IS SUPPLIED BY ANTCOM CORPORATION
2. MOUNTING HEX NUT AND LOCK WASHER ARE SUPPLIED BY ANTCOM CORPORATION
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTE: UNLESS OTHERWISE SPECIFIED:

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	L1: (1575.42 ±12) MHz		
RADIATION PATTERN:	HEMISPHERICAL		
POLARIZATION:	RHCP		
VSWR:	< 1.5:1		
IMPEDANCE:	50 ohms		
ANTENNA GAIN (dBic):	Free Space	16 in G.P.	4 ft G.P.
	@ 90° (ZENITH):	+ 5.0	+ 2.5 + 3.6
	@ 10° Elevation:	- 2.3	- 1.7
	@ 20° Elevation:	- 0.9	+ 1.0
	@ 30° Elevation:	+ 0.7	+ 1.6 + 2.4
@ 60 - 90° Elevation:	> 4.2	+4.7/+2.5	> 3.6
BEAM WIDTH (3dB):	102 Deg.	107 Deg.	127 Deg.
AXIAL RATIO:	2 dB		
LIGHTNING PROTECTION:	DC GROUNDING		
LNA GAIN:	33 dB		
LNA NOISE FIGURE:	2.4 dB		
LNA P1dB Out:	+13 dBm		
LNA DC POWER:	2.5V/20mA, 3V/20mA, 3.3V/20mA, (2.5-24)V/<30mA		
REJECTION @ (-50/+50) MHz	-45 dB / -70 dB		
	@ (-100/+100) MHz	< -65 dB	

MECHANICAL:

SIZE: DIAMETER: 2.60 in. [66.04 mm]
HEIGHT: 0.690 in. [17.53 mm] (Active), 0.58" [14.73] (Passive)

WEIGHT: 4.00 oz. (113 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
BASE IRIDITE PER MIL-C-5441

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDANT

CONNECTOR: TNC BULKHEAD
(OPTION: TNC, SMA, N, N Bulkhead, MCX, MMCX, or Cable)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE: 70,000 ft.
VIBRATION: > 30 G's
LEAKAGE: HERMETICALLY SEAL

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REV
1	ADHESIVE GASKET	12345G-3M-2G	-	-	-	5
1	WASHER, LOCK	AN936B816	-	-	-	3
1	HEX NUT, MOUNTING	1/2-20 HEX	-	-	-	2
-2	-1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
FRACTIONS ± 1/64 DECIMALS ± 0.015 ANGLES ± 1°
TOLERANCE DIM PER ASH Y14.5
REMOVE ALL BURRS
BREAK EXTERNAL EDGES .005 TO .015 RADIUS R12.5
SHEW SURFACES PER MIL-STD-883F
DIMS ON A COMMON & 20°
MACHINED SURFACES
DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE CALIFORNIA
2.6" Dia
ACTIVE L1 GPS
ANTENNA
D 3CVE1 2G15A-XTBR-X
SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas