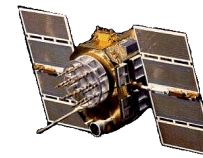




Active or Passive L1/L2 GPS Antenna, P/N: 1.9G1215X-XXN-X

1.9" Square, Flat Mount with Cable Configurations



ISO 9001:2008/FAA Approved Facility

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

ANTCOM CORPORATION . 367 Van Ness Way, #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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SIZE: 1.9" SQ.
FREQ. BAND: 1215; L1/L2
LNA: A2: WITH 20 dB LNA
A4: WITH 40 dB LNA
P: WITHOUT LNA

CABLE'S LENGTH: X: NO CABLE
M: MAG. IN: NO MAG.
R: CABLE LENGTH: (IN)
R: RIGHT ANGLE CON.

CONNECTOR: S: SMA; RS: R-SMA; P: PINS
M: MMCX; MMS: MMCX, SMB
SSMA, SSMB, SSMC, SSMP
T: TB; TNC; TNC-Bulkhead

COLOR: -1: GLOSS WHITE #17925 PER FED-STD-595B
-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
-3: OLIVE DRAB GREEN #34094 PER FED-STD-595B
-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

ADHESIVE GASKET IS SUPPLIED BY ANTCOM CORPORATION

NOTES: UNLESS OTHERWISE SPECIFIED:

SPECIFICATIONS

ELECTRICAL:	REVISIONS					
	ZONE	REV	DESCRIPTION	DATE	APPROVED	
FREQUENCY:	L1: (1575.42 ±12) MHz			L2: (1227.60 ±12) MHz		
RADIATION PATTERN:	HEMISPHERICAL					
POLARIZATION:	RHCP			RHCP		
VSWR:	< 1.5:1			< 1.5:1		
IMPEDANCE:	50 ohms			50 ohms		
ANTENNA GAIN (dBic):	Free Space	3 in G.P.	4 ft G.P.	Free Space	3 in G.P.	4 ft G.P.
@ 90 ° (ZENITH):	+ 3.7	+ 4.7	+ 3.1	- 1.7	+ 3.3	+ 4.5
@ 10 ° Elevation:	- 2.9	- 1.8	- 1.9	- 7.3	- 3.8	- 3.5
@ 20 ° Elevation:	- 1.3	- 0.3	+ 0.6	- 6.2	- 2.0	- 0.8
@ 30 ° Elevation:	0.0	+ 1.4	+ 1.7	- 5.2	- 0.5	+ 1.4
@ 60 - 90 ° Elevation:	> 3.0	> 3.9	> 2.4	> - 3.2	> 2.7	> 2.2
BEAM WIDTH (3dB):	108 Deg.	114 Deg.	143 Deg.	100 Deg.	106 Deg.	74 Deg.
AXIAL RATIO:	2 dB			2 dB		
LIGHTNING PROTECTION:	DC GROUNDING					
LNA GAIN:	20 dB			20 dB		
LNA NOISE FIGURE:	1.9 dB			1.8 dB		
LNA P1dB Out:	+13 dBm			+13 dBm		
LNA DC POWER:	2.5V/10mA, 3V/10mA, 3.3V/12mA, (2.5-24)V/<20mA					
POWER HANDLING:	1 Watt CW					

MECHANICAL:

SIZE: 1.912 in. [48.56 mm] SQ.
HEIGHT: 0.355 in. [9.02 mm]
WEIGHT: 2.0 oz. (56.7 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: MMCX MALE RIGHT ANGLE WITH X" LONG CABLE
(OPTION: SMA, SMB, SSMA, SSMC, SSMP OR TNC)

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

QUANTITY REQD	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REV NO.
1	ADHESIVE GASKET	12345G-3M-1G				5
1						3
1						2
1						1

ANTCOM CORP. TORRANCE, CALIFORNIA

1.9" SQ. ACTIVE OR PASSIVE L1/L2 GPS ANTENNA WITH CABLE

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas