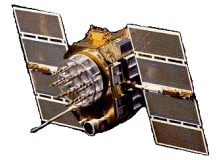




Dual RHCP/LHCP L1/L2 GPS Antenna, P/N: 1.2G1215P2-8NSSF-4

1.2" Square, Flat Mount Configuration



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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SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	L1: (1575.42 ±12) MHz	L2: (1227.60 ±12) MHz
RADIATION PATTERN:	HEMISPHERICAL	
POLARIZATION:	DUAL RHCP/LHCP	
VSWR:	< 1.5:1	
IMPEDANCE:	50 ohms	
ANTENNA GAIN (dBic):	Free Space 3 in G.P.	Free Space 3 in G.P.
@ 90 ° (ZENITH):	- 0.8 + 3.8	-3.7 + 2.7
@ 10 ° Elevation:	- 9.3 - 4.3	- 9.9 - 6.3
@ 20 ° Elevation:	- 6.8 - 2.2	- 9.2 - 4.2
@ 30 ° Elevation:	- 5.2 - 0.7	- 7.8 - 2.4
@ 60 - 90 ° Elevation:	> - 2.1 > 2.5	> - 4.7 > 1.3
BEAMWIDTH (3dB):	100 Deg. 120 Deg.	100 Deg. 90 Deg.
AXIAL RATIO:	2.5 dB 3	
LIGHTNING PROTECTION:	DC GROUNDING	

LNA OPTION:

LNA GAIN: 24.0 dB
 LNA NOISE FIGURE: 1.8 dB
 LNA P 1dB Out: +16 dBm
 VOLTAGE/CURRENT: (+2.8 TO +28) Volts DC / (15 TO 25) mA

MECHANICAL:

SIZE: 1.250 in. [31.75 mm] SQ.
 HEIGHT: 0.547 in. [13.89 mm]
 WEIGHT: 1.1 oz. (31.2 g)
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441
 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDANT
 CONNECTOR: 4.5" LONG FLEXIBLE CABLE with RIGHT ANGLE MMCX (OPTION: MCX, SMA, SMB, SSMA, SSMB, SSMC, 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-L-45208A, MIL-STD-810, AND SAE J1455

ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100

1	ADHESIVE GASKET	12345G-3M-1.2G	-	-	-	5	
1			-	-	-	3	
1			-	-	-	2	
1			-	-	-	1	
-2	-1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REV. NO.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRACTIONS	DECIMALS	ANGLES
± 1/64	± .005	± 1°

TOLENCES .5 IN PER ANG THAS
 REMOVE ALL DIMENSIONS
 BREAK EXTERNAL EDGES .008 TO .016
 FILED & .008 TO .016
 SLOPE THE .008 PER MIL-C-8879
 DIMS ON A COMMON & .008
 MACHINED SURFACES .005

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE CALIFORNIA

DUAL RHCP/LHCP L1/L2 ACTIVE OR PASSIVE GPS ANTENNA

APPROVED: S. HUYNH Mar-11-05
 DATE FILE NO: 3CVE1

SCALE 1/1 SHEET 1 OF 1

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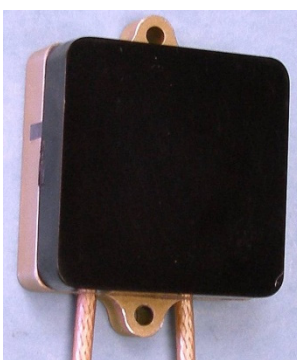
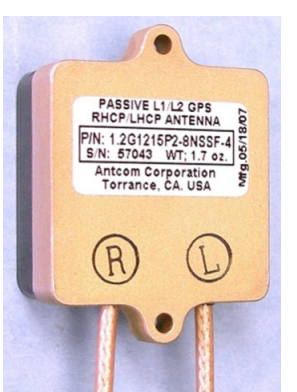
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1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE LENGTH	CONNECTOR	COLOR
X: NO CABLE	SS: SMA MALE, SSF: SMA FEMALE	-1: GLOSS WHITE#17925PER FED-STD-595B
F: CABLE LENGTH(IN)	MM: MCX MALE, MMF: MCX FEMALE	-2: LUSTERLESS GRAY#36320PER FED-STD-595B
	OTHER CONNECTORS ARE ALSO AVAILABLE	-3: OLIVEDRAB GREEN#94031PER FED-STD-595B
		-4: LUSTERLESS BLACK#37038PER FED-STD-595B

P/N: 1.2G1215P2-8NSSF-4

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NMO Connector Option is Now Available for Some Antennas