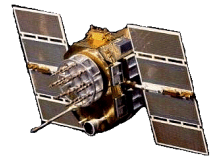




Active or Passive L1/L2 GPS Antenna, P/N: 1.9G1215X-XS-X
 P/N: 1.9G1216A-5RM-X-TB (Active, 5in Cable, Right MCX Connector, No Paint)
 (1.9" Sq. x 0.355" Thick), Flat Mount Configuration



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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<p>NOTICE OF PROPRIETARY RIGHTS THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA TO YOU IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY (AND DOES NOT INCLUDE MANUFACTURE OR PROCESSING USES). ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM CORP.</p> <p style="text-align: center;">MOUNTING: ADHESIVE</p> <p style="text-align: center;">SMA FEMALE CONNECTOR (OPTION: TNC, TNC Bulkhead, 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.</p>			<p style="text-align: center;">SPECIFICATIONS</p> <p>ELECTRICAL:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>FREQUENCY:</td> <td colspan="2">L1: (1575.42 ±12) MHz</td> <td colspan="2">L2: (1227.60 ±12) MHz</td> </tr> <tr> <td>RADIATION PATTERN:</td> <td colspan="4">HEMISPHERICAL</td> </tr> <tr> <td>POLARIZATION:</td> <td colspan="2">RHCP</td> <td colspan="2">RHCP</td> </tr> <tr> <td>VSWR:</td> <td colspan="2">< 1.5:1</td> <td colspan="2">< 1.5:1</td> </tr> <tr> <td>IMPEDANCE:</td> <td colspan="4">50 ohms</td> </tr> <tr> <td>ANTENNA GAIN (dBic):</td> <td>Free Space</td> <td>3 in G.P.</td> <td>4 ft G.P.</td> <td>Free Space</td> <td>3 in G.P.</td> <td>4 ft G.P.</td> </tr> <tr> <td>@ 90° (ZENITH):</td> <td>+ 2.7</td> <td>+ 4.7</td> <td>+ 3.1</td> <td>+ 1.5</td> <td>+ 3.3</td> <td>+ 4.5</td> </tr> <tr> <td>@ 10° Elevation:</td> <td>- 4.4</td> <td>- 1.8</td> <td>- 1.9</td> <td>- 6.7</td> <td>- 3.8</td> <td>- 3.5</td> </tr> <tr> <td>@ 20° Elevation:</td> <td>- 2.3</td> <td>- 0.3</td> <td>+ 0.6</td> <td>- 5.6</td> <td>- 2.0</td> <td>- 0.8</td> </tr> <tr> <td>@ 30° Elevation:</td> <td>- 0.8</td> <td>+ 1.4</td> <td>+ 1.7</td> <td>- 4.5</td> <td>- 0.5</td> <td>+ 1.4</td> </tr> <tr> <td>@ 60 - 90° Elevation:</td> <td>> 2.0</td> <td>> 3.9</td> <td>> 2.4</td> <td>> 0.0</td> <td>> 2.7</td> <td>> 2.2</td> </tr> <tr> <td>BEAM WIDTH (3dB):</td> <td>113 Deg.</td> <td>114 Deg.</td> <td>143 Deg.</td> <td>85 Deg.</td> <td>106 Deg.</td> <td>74 Deg.</td> </tr> <tr> <td>AXIAL RATIO:</td> <td colspan="2">2 dB</td> <td colspan="2">2 dB</td> </tr> <tr> <td>LIGHTNING PROTECTION:</td> <td colspan="5">DC GROUNDING</td> </tr> </table> <p>LNA OPTION:</p> <p>LNA GAIN: (21.0+/-2.0) 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</p> <p>MECHANICAL:</p> <p>SIZE: 1.912 in. [48.56mm] 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</p> <p>MATERIAL: 6061-T6 ALUMINUM ALLOY BASE THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE</p> <p>CONNECTOR: SMA FEMALE (OPTION: SMA, TNC, TNC-Bulkhead, N, N-Bulkhead, MCX, MMCX, or Cable)</p> <p>ENVIRONMENTAL:</p> <p>TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C] ALTITUDE: 70,000 ft. VIBRATION: >30 G's LEAKAGE: HERMETICALLY SEAL</p> <p>FEDERAL & MILITARY SPECIFICATIONS</p> <p>DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A AND MIL-STD-810</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>1</th> <th>ADHESIVE GASKET</th> <th>12345C-3M-1G</th> <th>-</th> <th>-</th> <th>-</th> <th>1</th> </tr> <tr> <th>QUANTITY REQD</th> <th>DESCRIPTION</th> <th>PART NO</th> <th>SPECIFICATION</th> <th>MATERIAL</th> <th>FINISH</th> <th>ITEM NO</th> </tr> <tr> <td></td> <td colspan="6" style="text-align: center;">PARTS LIST</td> </tr> </table> <p style="text-align: center;">ANTCOM CORP. TORRANCE, CALIFORNIA</p> <p style="text-align: center;">1.9" SQUARE L1/L2 PASSIVE GPS ANTENNA</p> <p style="text-align: center;">DRAWN: [Signature] CHECKED: [Signature] ENGINEER: [Signature] APPROVED: S. HUYNH Sep-19-01</p> <p style="text-align: center;">SCALE 1/1</p> <p style="text-align: center;">SHEET 1 OF 1</p>			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				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):	+ 2.7	+ 4.7	+ 3.1	+ 1.5	+ 3.3	+ 4.5	@ 10° Elevation:	- 4.4	- 1.8	- 1.9	- 6.7	- 3.8	- 3.5	@ 20° Elevation:	- 2.3	- 0.3	+ 0.6	- 5.6	- 2.0	- 0.8	@ 30° Elevation:	- 0.8	+ 1.4	+ 1.7	- 4.5	- 0.5	+ 1.4	@ 60 - 90° Elevation:	> 2.0	> 3.9	> 2.4	> 0.0	> 2.7	> 2.2	BEAM WIDTH (3dB):	113 Deg.	114 Deg.	143 Deg.	85 Deg.	106 Deg.	74 Deg.	AXIAL RATIO:	2 dB		2 dB		LIGHTNING PROTECTION:	DC GROUNDING					1	ADHESIVE GASKET	12345C-3M-1G	-	-	-	1	QUANTITY REQD	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO		PARTS LIST					
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