



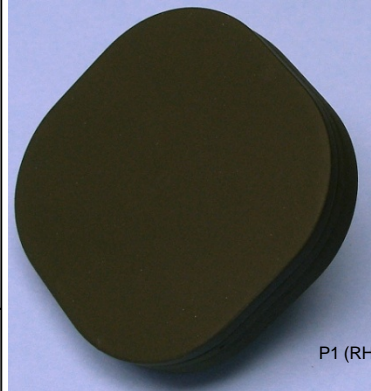
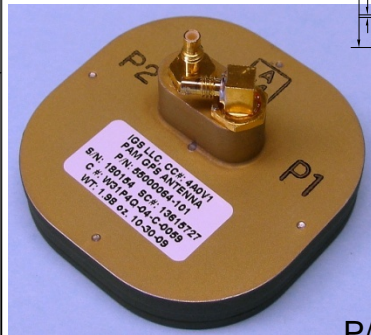
FAA Approved Facility

RHCP/LHCP L1/L2 GPS Antenna, P/N: 1.9G1215P2-XSSMCRS-3
Dual Linear (V/H) L1/L2 GPS Antenna, P/N: 1.9G1215P2L-XSSMCRS-3
Low Profile 1.9" Square, Flat/Back Mount Configuration

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>

<p>6</p> <p>5</p> <p>4</p> <p>3</p> <p>2</p> <p>1</p>	<p>NOTICE OF PROPRIETARY RIGHTS</p> <p>THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. REVELATION OF THIS DATA TO YOU IS EXPRESSLY CONDITIONED UPON YOUR AGREEMENT 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>4xR.716 [R18.19]</p> <p>1.912 [48.56] SQ. ± 0.04mm</p> <p>.364 [9.25] (+/- 0.008in or +/-0.2mm)</p> <p>.354 [8.99] Nominal, (8-10)mm</p> <p>P1 (RHCP):SSMC-R-Jack</p> <p>P2 (LHCP):SSMC-Jack</p> <p>.738 [18.75] Nominal, [1.9mm Max]</p> <p>.027 [0.68]</p> <p>30° and Free of jamming each other</p> <p>2xR.182 [R4.62] Nominal [4.75mm Max]</p> <p>.177 [4.50]</p> <p>.187 [4.75]</p> <p>.983 [24.96]</p> <p>2x.209 [5.30]</p> <p>.364 [9.25] Nominal, [9.5mm Max]</p>	<p>1</p> <p>REVISIONS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>ZONE</th> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>SPECIFICATIONS</p> <p>ELECTRICAL:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>L1: (1575.42±12) MHz</th> <th>L2: (1227.60±12) MHz</th> </tr> </thead> <tbody> <tr> <td>FREQUENCY:</td> <td></td> <td></td> </tr> <tr> <td>RADIATION PATTERN:</td> <td colspan="2">HEMISPHERICAL</td> </tr> <tr> <td>POLARIZATION:</td> <td colspan="2">RHCP/LHCP</td> </tr> <tr> <td>VSWR:</td> <td colspan="2">< 2.0:1</td> </tr> <tr> <td>IMPEDANCE:</td> <td colspan="2">50 ohms</td> </tr> <tr> <td>ANTENNA GAIN (dBic):</td> <td>Free Space</td> <td>3 in G.P.</td> </tr> <tr> <td> @ 90 ° (ZENITH):</td> <td>+2.7</td> <td>+4.7</td> </tr> <tr> <td> @ 10 ° Elevation:</td> <td>-4.4</td> <td>-1.9</td> </tr> <tr> <td> @ 20 ° Elevation:</td> <td>-2.3</td> <td>-0.3</td> </tr> <tr> <td> @ 30 ° Elevation:</td> <td>-0.8</td> <td>+1.4</td> </tr> <tr> <td> @ 60 - 90 ° Elevation:</td> <td>> 2.0</td> <td>> 3.9</td> </tr> <tr> <td>BEAM WIDTH (3dB):</td> <td>113 Deg.</td> <td>114 Deg.</td> </tr> <tr> <td>AXIAL RATIO:</td> <td colspan="2">2 dB</td> </tr> <tr> <td>LIGHTNING PROTECTION:</td> <td colspan="2">DC GROUNDING</td> </tr> </tbody> </table> <p>LNA OPTION:</p> <p>LNA GAIN: (21.0+/-2.0) dB</p> <p>LNA NOISE FIGURE: 1.8 dB</p> <p>LNA P 1dB Out: +16 dBm</p> <p>VOLTAGE/CURRENT: (+2.8 TO +28) Volts DC / (15 TO 25) mA</p> <p>MECHANICAL:</p> <p>SIZE: 1.912in.[48.56mm]SQ.</p> <p>HEIGHT: 0.36 in. [9.25 mm]</p> <p>WEIGHT: 2.4 oz. (69 g)</p> <p>FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5541F TypeI Class3</p> <p>MATERIAL: 6061-T6 ALUMINUM ALLOY BASE THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE</p> <p>CONNECTOR: P1 (RHCP): SSMC-R-Jack, P2 (LHCP): SSMC-Jack (OPTION:SMC, SMB,SSMB, SMA, PIN, 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]</p> <p>ALTITUDE: 70,000ft.</p> <p>VIBRATION: >30 G's</p> <p>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-870</p>	ZONE	REV	DESCRIPTION	DATE	APPROVED							L1: (1575.42±12) MHz	L2: (1227.60±12) MHz	FREQUENCY:			RADIATION PATTERN:	HEMISPHERICAL		POLARIZATION:	RHCP/LHCP		VSWR:	< 2.0:1		IMPEDANCE:	50 ohms		ANTENNA GAIN (dBic):	Free Space	3 in G.P.	@ 90 ° (ZENITH):	+2.7	+4.7	@ 10 ° Elevation:	-4.4	-1.9	@ 20 ° Elevation:	-2.3	-0.3	@ 30 ° Elevation:	-0.8	+1.4	@ 60 - 90 ° Elevation:	> 2.0	> 3.9	BEAM WIDTH (3dB):	113 Deg.	114 Deg.	AXIAL RATIO:	2 dB		LIGHTNING PROTECTION:	DC GROUNDING		<p>1</p> <p>ADHESIVE GASKET</p> <p>12345G-3M-1G</p> <p>1</p>
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