

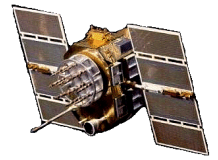


Passive L1/L2 GPS Antenna, P/N: 2.5CG1215P-XS-X-5.75R-871C

For High Speed Vehicle

2.50in. Dia., 5.75in Conformal Radius with Flange Configuration, 871 °C

2 of This Antenna (Top/Bottom) Can Be Used with 2-Way Power Divider (P/N: 2G1215S-XS2-2) for Wrap Around Coverage
Other Conformal Radius, Frequencies, Connector, Color, Cable Length and Mounting Options are Available



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>

NOTICE OF PROPRIETARY RIGHTS		SPECIFICATIONS																																																																																																																															
THIS DOCUMENT CONTAINS CONFIDENTIAL, TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA TO YOU IS EXPRESSLY FORBIDDEN UNLESS YOUR AGREEMENT THAT THE INFO IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. THIS DOES NOT INCLUDE MANUFACTURE OR PROCESSING USED. ANY OTHER USE IS EXPRESSLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM CORP.		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS</th> <th>DATE</th> <th>APPROVED</th> </tr> <tr> <th>ZONE</th> <th>REV</th> <th>DESCRIPTION</th> <th></th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS		DATE	APPROVED	ZONE	REV	DESCRIPTION																																																																																																																							
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<p> CERAMIC RADOME 316H STAINLESS STEEL HOUSING 4X ϕ.129 [ϕ3.28] THRU .225 X .82" ON 1.123 RAD. TO BOTTOM SURFACE FOR NO. 4 SCREWS R5.810 [R147.57] R5.750 [R146.05] .05 X 45° CF .120 [3.05] .367 [9.32] .432 [10.98] .492 [12.50] SMA FEMALE CONNECTOR R.756 [R19.20] ϕ2.191 [ϕ55.65] REF 1.992 [50.60] SQ. </p>	<p>ELECTRICAL:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>L1: (1575.42 \pm13) MHz</th> <th>L2: (1227.60 \pm13) MHz</th> </tr> </thead> <tbody> <tr> <td>FREQUENCY:</td> <td></td> <td></td> </tr> <tr> <td>RADIATION PATTERN:</td> <td colspan="2">HEMISPHERICAL (360° In Azimuth/ >90° In EI)</td> </tr> <tr> <td>POLARIZATION:</td> <td>RHCP</td> <td>RHCP</td> </tr> <tr> <td>VSWR:</td> <td colspan="2">< 1.5:1</td> </tr> <tr> <td>IMPEDANCE:</td> <td colspan="2">50 ohms</td> </tr> <tr> <td>ANTENNA GAIN (dBi):</td> <td>Free Space</td> <td>Free Space</td> </tr> <tr> <td>@ 90° (ZENITH):</td> <td>+ 2.0</td> <td>+ 0.2</td> </tr> <tr> <td>@ 10° Elevation:</td> <td>- 5.8</td> <td>- 5.0</td> </tr> <tr> <td>@ 20° Elevation:</td> <td>- 4.5</td> <td>- 3.9</td> </tr> <tr> <td>@ 30° Elevation:</td> <td>- 2.8</td> <td>- 3.5</td> </tr> <tr> <td>@ 60 - 90° Elevation:</td> <td>> +1.7</td> <td>> -0.8</td> </tr> <tr> <td>BEAM WIDTH (3dB):</td> <td>105 Deg.</td> <td>90 Deg.</td> </tr> <tr> <td>AXIAL RATIO:</td> <td>3 dB</td> <td>3 dB</td> </tr> <tr> <td>LIGHTNING PROTECTION:</td> <td colspan="2">DC GROUNDING</td> </tr> <tr> <td>POWER HANDLING:</td> <td colspan="2">200 Watt CW</td> </tr> </tbody> </table> <p>MECHANICAL:</p> <p>SIZE: 2.50 In [63.50 mm] DIAMETER HEIGHT = 0.492In. [12.50 mm]</p> <p>WEIGHT: 3.4 oz. (96 g)</p> <p>FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441F COATING PER MIL-PRF-85582E AND MIL-PRF-85285E</p> <p>MATERIAL: 316H STAINLESS STEEL HOUSING CERAMIC RADOME, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE AND FIRE RETARDANT</p> <p>CONNECTOR: SMA FEMALE (OPTION: TNC, TNC Bulkhead, N, N Bulkhead, MCX, or MMCX)</p> <p>ENVIRONMENTAL:</p> <p>TEMPERATURE: -70 °F TO +1600 °F [-57 °C TO +871 °C] ALTITUDE: 100,000 ft. SHOCK/VIBRATION: 100 G's LEAKAGE: HERMETICALLY SEAL</p> <p>FEDERAL & MILITARY SPECIFICATIONS:</p> <p>DESIGN TO: FAA TSO-C144, DO-160D (ENV/EMI), DO-228 (ENV/EMI), MIL-C-5541F, MIL-PRF-39012 (CONN), MIL-STD-810G (ENV/EMI), MIL-HDBK-5400 (ELEC) MIL-STD-464C (ELEC MAG), MIL-STD-130N-1 (ID), MIL-STD-889B (METAL) RCC-319-14 (TERMINATION), RCC-324-01(SAFETY), MIL-STD-1472 MIL-E-5400, MIL-I-45208A, SAE J1455, AND NAS411-1 (HAZ)</p> <p>ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100</p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>SIZE:</th> <th>FREQ. 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