



FAA Approved Facility

RHCP/LHCP L1/L2GPS Antenna, P/N: 1.9G1215RL-PP-XRS-X
Dual Linear (V/H) L1/L2GPS Antenna, P/N: 1.9G1215VH-PP-XRS-X
1.9" Square Configurations with Back Mounting Option

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>

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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 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.						SPECIFICATION S				REVISIONS																																														
						ELECTRICAL:				ZONE		REV																																												
						FREQUENCY: L1: (1575.42±12) MHz L2: (1227.60±12) MHz RADIATION PATTERN: HEMISPHERICAL POLARIZATION: RHCP/LHCP VSWR: < 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 LIGHTNING PROTECTION: DC GROUNDING				DATE		APPROVED																																												
MOUNTING: ADHESIVE SMA Right Angle Female Con. (OPTION: TNC, TNC Bulkhead, N, N-Bulkhead, MCX, MMCX, or Cable) Clearance Hole: 0.4" Dia. 0.52" Dia. for TNC Con. 0.63" Dia. for N Con.						LNA OPTION:																																																		
						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																																																		
SIZE: 1.9" SQ WEIGHT: 2.3 oz. (65 g) FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE CONNECTOR: 0.030" DIA. PIN, 0.100" LONG (OPTION: SMA, TNC, TNC-Bulkhead, N, N-Bulkhead, MCX, MMCX, or Cable)						MECHANICAL:																																																		
						SIZE: 1.912in.[48.56mm]SQ. HEIGHT: 0.36 in. [9.02 mm]																																																		
ENVIRONMENTAL: TEMPERATURE: -67° F TO +185° F [-55° C TO +85° C] ALTITUDE: 70,000ft. 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, AND MIL-STD-810																																																		
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<http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts1.pdf> (Amplifiers/Power Divider/Combiner/Filters)