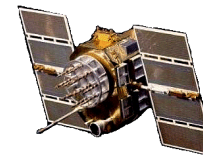




Active L1 GPS & Iridium Antenna

1.2GIR1516RR-A2P-60X-3-IDZ (60in. IDZ Cable)

(1.2"x 3.0"x 0.6"), Front, or Back Mount with Bottom Cable



ISO 9001:2008/FAA Approved Facility 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>

SPECIFICATIONS

	REVISIONS				
	ZONE	REV	DESCRIPTION	DATE	APPROVED
ELECTRICAL:					
FREQUENCY:	IRIDIUM (1610.0 - 1626.5) MHz	GPS L1: (1575.42 ±13)			
RADIATION PATTERN:	HEMISPHERICAL	HEMISPHERICAL			
POLARIZATION:	RHCP	RHCP			
VSWR:	< 1.5:1	< 1.5:1			
GAIN (dB):	Free Space	Free Space			
@ 90° Zenith:	0.0	0.0			
@ 10° Elevation:	- 7.5	- 7.5			
@ 20° Elevation:	- 5.5	- 6.1			
@ 30° Elevation:	- 4.0	- 4.5			
@ 60° Elevation:	- 2.3	- 1.4			
BEAM WIDTH (3dB):	98 °-106 °	103 °			
AXIAL RATIO @ Zenith:	2 dB	2 dB			
POWER HANDLING:	30 W	1 Watt			
LIGHTNING PROTECTION:	DC GROUNDING	DC GROUNDING			
LNA GAIN:	N/A	(33.0+/-1.0) dB, 20dB (-A2- Option)			
LNA P 1dB Out:	N/A	+16 dBm			
LNA NOISE FIGURE:	N/A	2.8 dB			
VOLTAGE/CURRENT:	N/A	(+2.8 TO +28) Volts DC / (30) mA			

MECHANICAL:	
SIZE:	WIDTH: 1.25 in. [31.7 mm], LENGTH: 3in [76.2 mm], HEIGHT: 0.6 in. [15.4 mm]
WEIGHT:	2.3 oz. (65 g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL, AND CHEM FILM
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT AND SKYDROL RESISTANCE, FIRE RETARDANT
CONNECTOR:	IDZ CABLE (Option: SMA, TNC, N, N Bulkhead)
MOUNTING:	FLAT FRONT (2 x 6-32 SCREWS), BACK (2 x 8-32 SCREWS),

ENVIRONMENTAL:	
TEMPERATURE:	-67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE:	70,000 ft.
VIBRATION:	> 30 G's
LEAKAGE:	HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:	
DESIGN TO:	FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

CONFIGURATION:	FREQ. BAND:	GPS/IRIDIUM LNA:	CABLE'S LENGTH:	GPS/IRIDIUM CONNECTOR:	COLOR:
1: 2" SQ. (FLAT)	1516: L1 GPS & IRIDIUM	A: WITH LNA	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17325 PER FED-STD-595B
1.8: 1.8" SQ. (FLAT)	1216: L1/L2 GPS	P: WITHOUT LNA	M: NO CABLE	M: M/M/CX	-2: LUSTERLESS GRAY #36326 PER FED-STD-595B
2: 2.8" DIA. (FLAT)	GPS & IRIDIUM	A2: WITH 20dB LNA	#: Cable Length (ft)	N: N; NR: N-Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
3: 3.5" DIA. (FLAT)	1625: GLOBALSTAR	A3: WITH 33dB LNA	R: RIGHT ANGLE CONN.	T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
4: MINI ARINC (FLAT)	1523: GPS & XM			X: NO CONNECTOR	-5: DESERT TAN #33446 PER FED-STD-595B
53: (HELIX ROD)	1525: GPS & W/H				
5B: (HELIX BLADE)					
3D: (HELIX HANDHELD)					

P/N: 1.2GIR1516RR-A2P-60X-3-IDZ

1	DESCRIPTION	PART NO	MATERIAL	FINISH	1
QUANTITY REQD		PARTS LIST			1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:					
FRACTIONS	DECIMALS	ANGLES			
± 1/64	.0005	± 1°			
TOLERANCE SURF PER ANSI Y14.6					
REMOVE ALL BURRS	BREAK EXTERNAL EDGES .005 TO .015				
THRU HOLE TO HOLE	SURF FINISH PER MIL-C-8879				
Ø'S ON A COPLANAR SURF	± .000				
MACHINED SURFACES:					
DO NOT SCALE DRAWING					

ANTCOM CORP.

Torrance, California

Low Profile Ruggedized GPS/IRIDIUM Antenna

D 3CVE1 1.2GIR1516RR-A2P-60X-3-IDZ

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas