



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

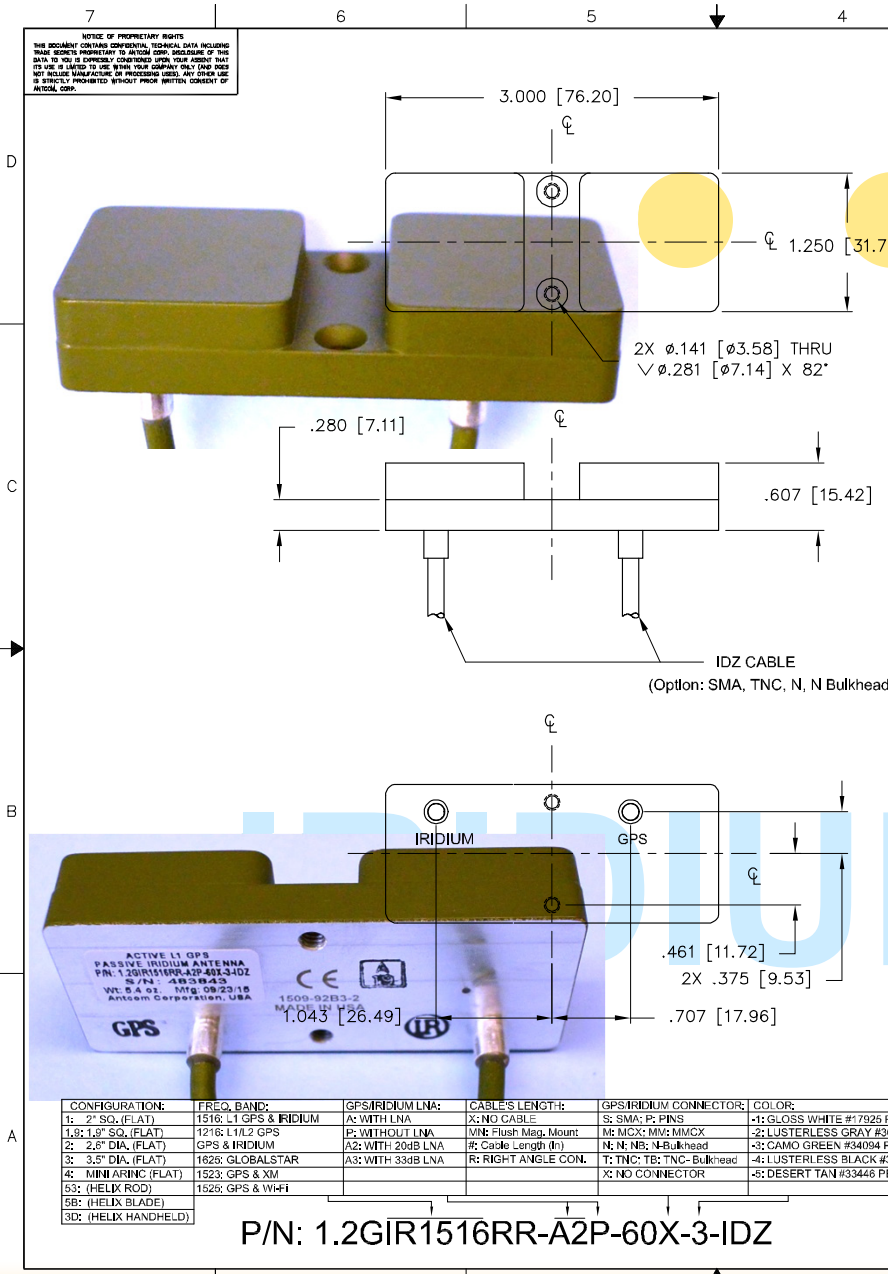
ISO 9001:2008/FAA Approved Facility

Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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SPECIFICATIONS

ZONE	REVISIONS			
	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 #36320 PER FED-STD-595B
2: 2.8" DIA. (FLAT)	GPS & IRIDIUM	R: 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-ARC (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
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:</p> <p>FRACTIONS DECIMALS ANGLES</p> <p>± 1/64 ± .005 ± 1°</p> <p>TOLERANCE SHW PER ANSI Y14.6</p> <p>REMOVE ALL BURRS</p> <p>BREAK EXTERNAL EDGES .005 TO .015</p> <p>FILE TO .002 TO .004</p> <p>SMOOTH THREADS PER UN-3-8B79</p> <p>SH'S ON A COARSE 6-20</p> <p>WASHED SURFACES 125</p> <p>DO NOT SCALE DRAWING</p>					
DATE	DESIGNED BY	DATE	DESIGNED BY	DATE	DESIGNED BY
	S. HUYNH		S. HUYNH		S. HUYNH
	Sep-06-12		Sep-06-12		Sep-06-12
	ORIGINAL DESIGNED		S. HUYNH		S. HUYNH
	DATE		Sep-25-15		Sep-25-15
	UPDATE DRAWN		P. TRAN		P. TRAN
	DATE		Sep-25-15		Sep-25-15
	APPROVED		S. HUYNH		S. HUYNH
	Sep-25-15		Sep-25-15		Sep-25-15
<p>ANTCOM CORP. TORRANCE CALIFORNIA</p> <p>Low Profile Ruggedized GPS/IRIDIUM Antenna</p> <p>REV D USE W 3CVE1 1.2GIR1516RR-A2P-60X-3-IDZ</p> <p>SCALE 1/1 SHEET 1 OF 1</p>					

NMO Connector is Now Available for Some Antennas