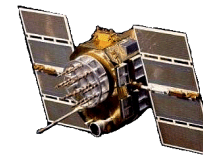




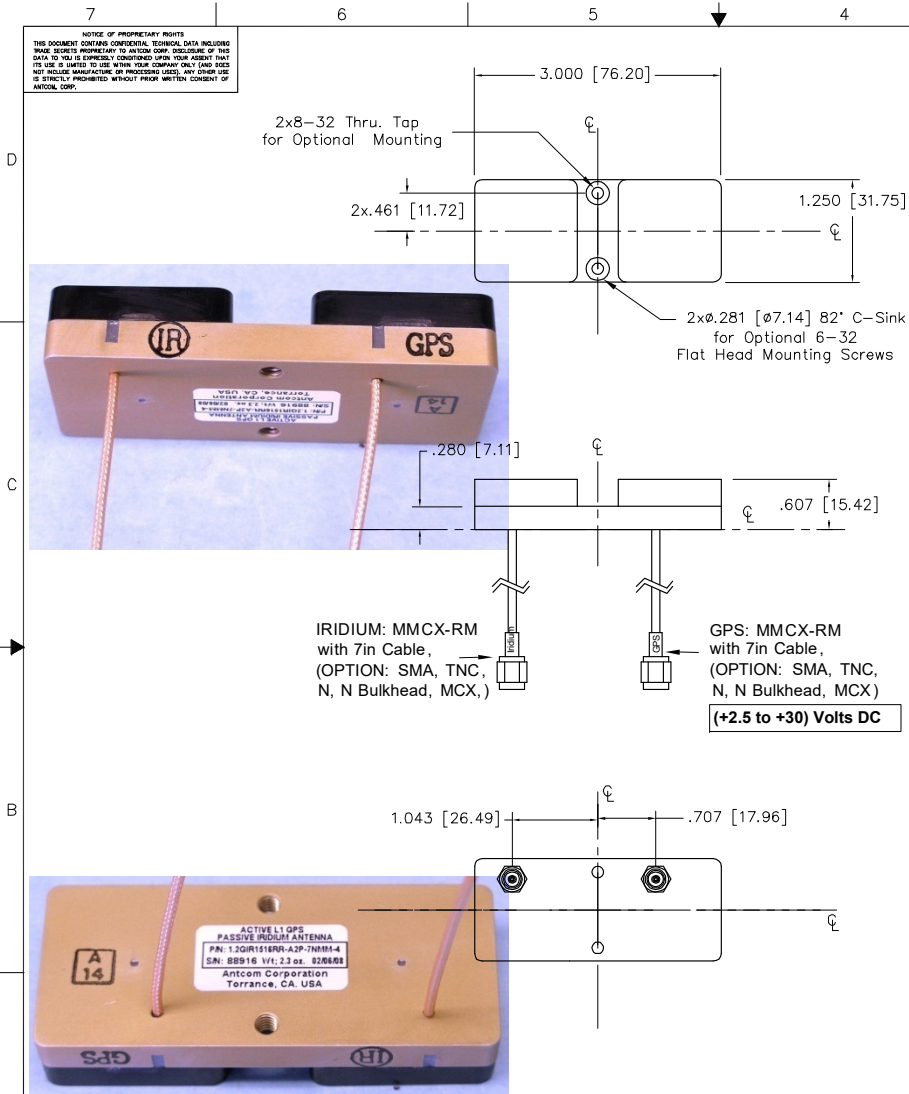
# Active GPS & (IRIDIUM/Inmarsat or Thuraya) Antenna

P/N: 1.2GIR1516RR-A2P-7MM-4  
(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	REV	DESCRIPTION	DATE	APPROVED
<b>ELECTRICAL:</b>				
FREQUENCY:	(1610.0 - 1626.5) MHz	IRIDIUM	(1575.42 ±13)	GPS
RADIATION PATTERN:	HEMISPHERICAL	HEMISPHERICAL		
POLARIZATION:	RHCP	RHCP		
VSWR:	< 1.5:1	< 1.5:1		
GAIN (dB):	Free Space	F.S.		
@ 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 GROUNDIN G	DC GROUNDIN G		
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: SKYDROLRESISTANTPOLYURETHANEENAMEL, AND CHEMFILM

MATERIAL: 6061-T6ALUMINUMALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT,ANDSKYDROLRESISTANCE, FIRE RETARDANT

CONNECTOR: IRIDIUM:MMCX-RM(J1, Red); GPS: MMCX-RM(J2, Blue)

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: 70,000ft.

VIBRATION: > 30 G's

LEAKAGE: HERMETICALLYSEALED

**FEDERAL & MILITARY SPECIFICATIONS**

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

CONFIGURATION:	FREQ BAND	GPS/IRIDIUM/A:	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: GLOSSWHITE#17925PER FED-STD-595B
1.9: 1.9" SQ. (FLAT)	1216:L1/L2GPS	P: WITHOUT LNA	MN: FlushMag. Mount	M: MCX; MM: MMCX	-2: LUSTERLESSGRAY#36320PER FED-STD-595B
2: 2.6" DIA. (FLAT)	GPS & IRIDIUM	#: CableLength(in)	N: N; NB: N-Bulkhead	T: TNC; TB: TNC-Bulkhead	-3: OLIVEDRABGREEN#34031PER FED-STD-595B
3: 3.5" DIA. (FLAT)	1625: GLOBALSTAR	R: RIGHT ANGLECON.			-4: LUSTERLESSBLACK#37038PER FED-STD-595B
4: MINI ARINC (FLAT)	1523: GPS & XM				
53: (HELIXROD)	1525: GPS & WI-FI				
5B: (HELIXBLADE)					
3D: (HELIXHANDHELD)					

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QUANTITY REQD	DESCRIPTION	PART NO	MATERIAL	FINISH	REV
4					5
1					3
					1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES 2 1/64 .001 .010 300x .010	DRIVER	<b>ANTCOM CORP.</b> TORRANCE CALIFORNIA Low Profile Ruggedized Active GPS/IRIDIUM Antenna ENGINEER APPROVED S. HUYNH June-27-07 CAP FILE NO	REV
TOLERANCE 51M PER ANSI Y14.5	CHECKED		3C
REMOVE ALL SHARP EDGES .006 TO .016	INSPECTED		ONE
SOEW THE LUGS FOR MIL-C-8879 DAT'S ON A COMB OF 2.006	ASSEMBLED		1.2G1516RR-A2P-7MM-4
MACHINED SURFACES	SCALE 1/1		SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas