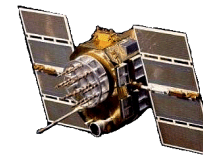




Active GPS & (IRIDIUM/Inmarsat or Thuraya) Antenna

P/N: 1.2GIR1516RR-A2P-7NMM-4
(1.2"x 3.0"x 0.6"), Front, or Back Mount with Cable



ISO 9001:2008/FAA Approved Facility

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

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2x8-32 Thru. Tap for Optional Mounting

2x.461 [11.72]

3.000 [76.20]

1.250 [31.75]

2x.281 [ø7.14] 82' C-Sink for Optional 6-32 Flat Head Mounting Screws

.280 [7.11]

.607 [15.42]

IRIDIUM: MMCX-RM with 7in Cable, (OPTION: SMA, TNC, N, N Bulkhead, MCX.)

GPS: MMCX-RM with 7in Cable, (OPTION: SMA, TNC, N, N Bulkhead, MCX.)

(+2.5 to +30) Volts DC

2x.263 [6.68]

.707 [17.96]

14

P/N: 1.2G1516RR-A2P-7NMM-4

SPECIFICATIONS

ELECTRICAL:	REVISIONS			
	ZONE REV	DESCRIPTION	DATE	APPROVED
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	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 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: 1.25in. [31.7 mm], LENGTH: 3in [76.2 mm], HEIGHT: 0.6in. [15.4 mm]

WEIGHT: 2.3 oz. (65 g)

FINISH: SKYDROLRESISTANTPOLYURETHANENAMEL,AND CHEMFILM

MATERIAL: 6061-T6ALUMINUMALLOYBASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT,ANDSKYDROLRESISTANCE, FIRE RETARDANT

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

MOUNTING: FLATFRONT(2x 6-32SCREWS),BACK(2x 8-32SCREWS)

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 11455

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE:	ANGLES
FRACTIONS	DECIMALS	± 1°
± 1/64	.004 .010	

ANTCOM CORP.	TORRANCE CALIFORNIA
Low Profile Ruggedized Active GPS/IRIDIUM Antenna	
APPROVED: S. HUYNH June-27-07	THE DATE OF THIS DRAWING: 1.2G1516RR-A2P-7NMM-4
SCALE: 1/1	SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas