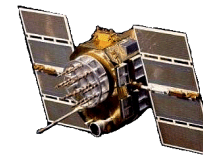




Active GPS & (IRIDIUM/Inmarsat or Thuraya) Antenna

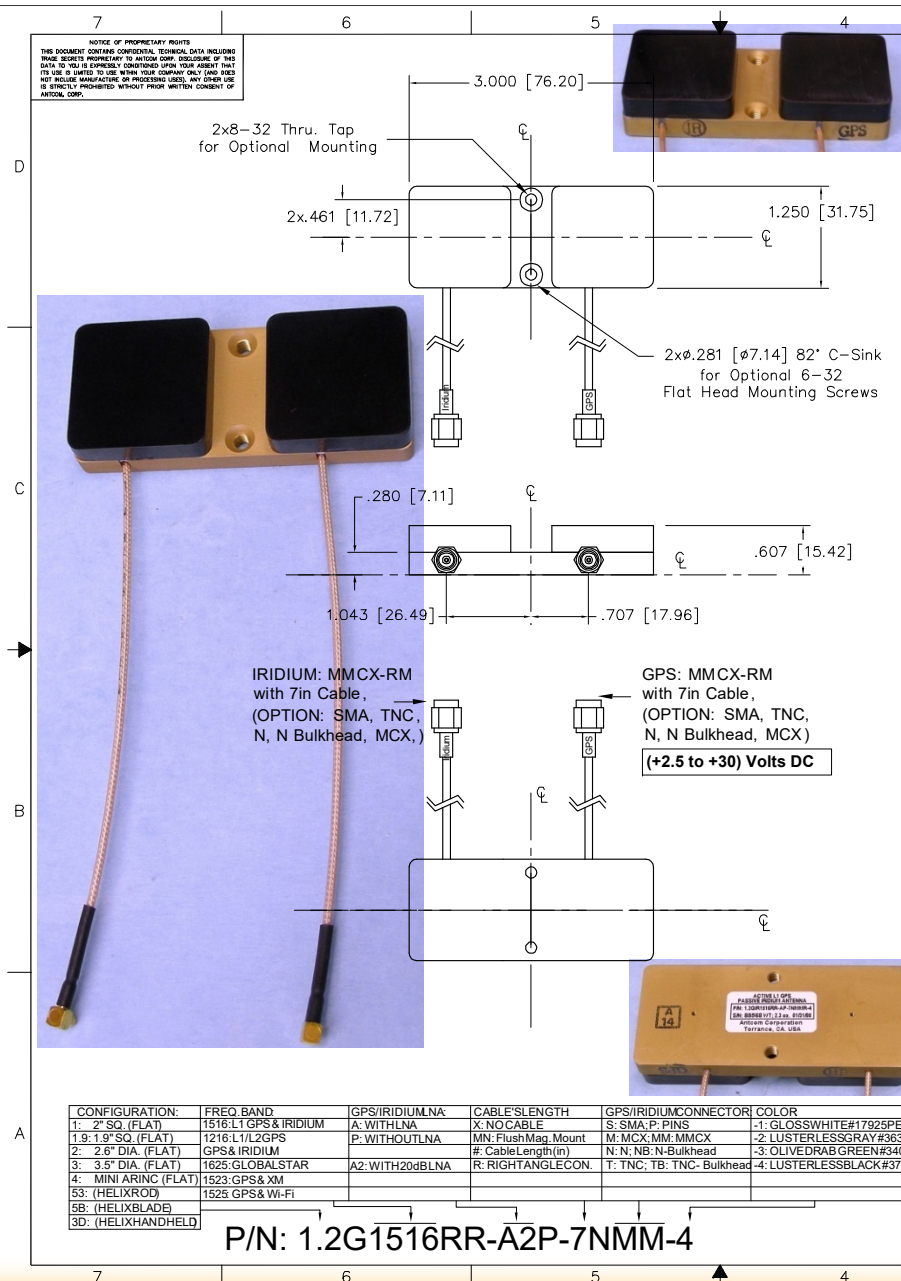
P/N: 1.2GIR1516RR-A2P-7NMM-4
(1.2"x 3.0"x 0.6"), Front, or Back Mount with Cable



ISO 9001:2008/FAA Approved Facility

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

ANTCOM CORPORATION . 367 Van Ness Way, #602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>



SPECIFICATIONS

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

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

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± 1/64 .005 .010 ± 1°

TOLERANCE 5VM PER ANSI Y14.5

REWORK: ALL DIMENSIONS BREAK EXTERNAL EDGES .005 TO .015

PLATE # 2008-11-08 EXCISE IN CHARGE PER MIL-C-8879 51'S ON A COMBINER 27-028 MACHINED SURFACES

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE CALIFORNIA

Low Profile Ruggedized Active GPS/IRIDIUM Antenna

APPROVED: S. HUYNH June-27-07

THE QWG NO. 3CVE1

CAD FILE NO.

SCALE 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas