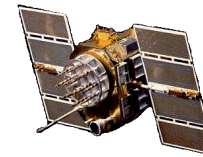




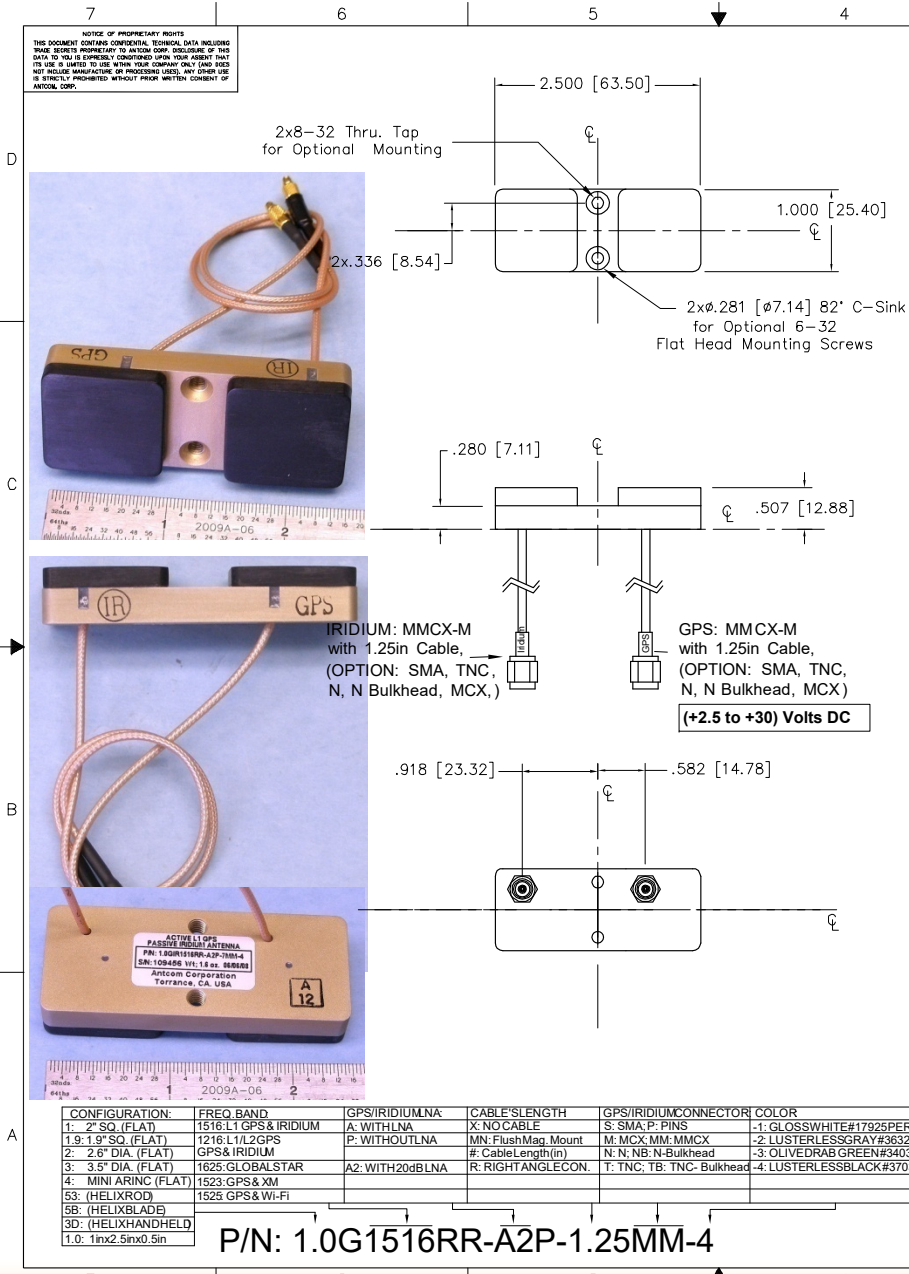
Active GPS & (IRIDIUM/Inmarsat or Thuraya) Antenna  
 P/N: 1.0GIR1516RR-A2P-1.25MM-4  
 (1.0"x 2.5"x 0.5"), Front, or Back Mount with Bottom Cable



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](mailto:antennas@antcom.com) . <http://www.antcom.com>



**SPECIFICATIONS**

ELECTRICAL:	
FREQUENCY:	IRIDIUM (1610.0 - 1626.5) MHz GPS L1: (1575.42 ±13)
RADIATION PATTERN:	HEMISPHERICAL
POLARIZATION:	RHCP
VSWR:	< 1.5:1
GAIN (dB):	Free Space
@ 90° (Zenith):	0.0
@ 10° Elevation:	- 7.5
@ 20° Elevation:	- 5.5
@ 30° Elevation:	- 4.0
@ 60° Elevation:	- 2.3
BEAM WIDTH (3dB):	98 °-106 °
AXIAL RATIO @ Zenith:	2 dB
POWER HANDLING:	30 W
LIGHTNING PROTECTION:	DC GROUNDING
LNA GAIN:	N/A
LNA P 1dB Out:	N/A
LNA NOISE FIGURE:	N/A
VOLTAGE/CURRENT:	N/A

**MECHANICAL:**

SIZE: WIDTH: 1.00 in. [25.4 mm], LENGTH: 2.5in [63.5mm], HEIGHT: 0.5 in. [12.9mm]  
 WEIGHT: 1.6 oz. (45 g)  
 FINISH: SKYDROLRESISTANTPOLYURETHANENAMEL, AND CHEMFILM  
 MATERIAL: 6061-T6ALUMINUMALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, ANDSKYDROLRESISTANCE, FIRE RETARDANT  
 CONNECTOR: IRIDIUM:MMCX-M(J1, Red); GPS:MMCX-M(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

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

CONFIGURATION:	FREQ BAND:	GPS/IRIDIUM:NA:	CABLE LENGTH:	GPS/IRIDIUMCONNECTOR:	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/L2 GPS	P: WITHOUT LNA	MN: Flush Mag. Mount	M: MMCX; MM: MMCX	-2: LUSTERLESSGRAY#36320PER FED-STD-595B
2: 2.6" DIA. (FLAT)	GPS & IRIDIUM		#: Cable Length (in)	N: N; NB: N-Bulkhead	-3: OLIVEDRABGREEN#34031PER FED-STD-595B
3: 3.5" DIA. (FLAT)	1625: GLOBALSTAR	A2: WITH20dB LNA	R: RIGHT ANGLECON.	T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESSBLACK#37038PER FED-STD-595B
4: MINI ARINC (FLAT)	1523: GPS & XM				
53: (HELIXRO)	1525: GPS & WI-FI				
5B: (HELIXBLADE)					
3D: (HELIXHANDHELD)					
1.0: 1inx2.5inx0.5in					

P/N: 1.0G1516RR-A2P-1.25MM-4

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE ANGLES ± 1°

FRACIONS: DECIMALS ARE ± 1/64 300X .010

TOLERANCE SIM PER ANSI Y14.5

REWORK ALL SURFACES BEFORE INTERNAL EDGES .005 TO .015

FIELD TO BE DRILLED .005 TO .015

SEW IN HEADS FOR MIL-S-8879

DR'S ON A COMB. C. 24.006

MACHINED SURFACES

DO NOT SCALE DRAWING

DR: S. HUYNH  
 JUN-27-07

APPROVED: S. HUYNH  
 JUN-27-07

SCALE 1/1

SHEET 1 OF 1

**ANTCOM CORP.** TORRANCE, CALIFORNIA

Low Profile Ruggedized Active GPS/IRIDIUM Antenna

REV: 3CVE1  
 1.0G1516RR-A2P-1.25MM-4

NMO Connector Option is Now Available for Some Antennas