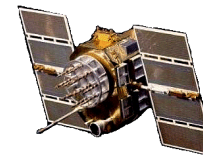




Active GPS & (IRIDIUM/Inmarsat or Thuraya) Antenna
 P/N: 1.5GIR1516RR-AP-XSS-4, (3.6" x 1.5" x 0.6"), Front/Back
 With BNC, TNC, SMA, N Connector Options.



ISO 9001:2008/FAA Approved Facility Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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2x8-32 Thru. Top for Optional Mounting

3.642 [92.51]

R.407 [R10.34]

1.564 [39.73]

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

.631 [16.03]

IRIDIUM: SMA MALE with 20in Cable, (OPTION: SMA, TNC Bulkhead, N, N Bulkhead, MCX, MMCX)

GPS: SMA MALE with 20in Cable, (OPTION: TNC, TNC Bulkhead, N, N Bulkhead, MCX, MMCX) (+2.5 to +30) Volts DC

.143 [3.63]

10x .593 [15.06]

Optional Mounting: BX 2-56 Top X 0.118 Deep

.896 [22.76]

4x.446 [11.33]

.937 [23.80]

4x1.632 [41.45]

SPECIFICATIONS

ELECTRICAL:

	IRIDIUM		GPS	
FREQUENCY:	(1610.0 - 1626.5) MHz		L1: (1575.42 ±13)	
RADIATION PATTERN:	HEMISPHERICAL		HEMISPHERICAL	
POLARIZATION:	RHCP		RHCP	
VSWR:	< 1.5:1		< 1.5:1	
GAIN (dB):	4 ft G.P.	Free Space	F.S.	4 ft G.P.
@ 90° (Zenith):	+4.9	+5.0	+4.6	+2.9
@ 10° Elevation:	-1.0	-2.5	-2.5	-1.8
@ 20° Elevation:	+1.5	-0.5	-1.1	+0.7
@ 30° Elevation:	+2.4	+1.0	+0.5	+1.7
@ 60° to 90° Elevation:	>+3.3	>+2.7	>3.6	>2.1
BEAM WIDTH (3dB):	129 °	98 °-106 °	103 °	146 °
AXIAL RATIO @ Zenith:	2 dB		2 dB	
POWER HANDLING:	30 W		1 Watt	
LIGHTNING PROTECTION:	DC GROUNDING		DC GROUNDING	
FILTER (REJ. @1616 MHz):			> 60 dB	
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 (Filter loss is Included)	
VOLTAGE/CURRENT:	N/A		(+2.8 TO +28) Volts DC / (30 TO 50) mA	

MECHANICAL:

SIZE: WIDTH: 1.56 in. [39.7 mm], LENGTH: 3.64 in [92.5 mm], HEIGHT: 0.63 in. [16.0 mm]

WEIGHT: 3.5 oz. (99 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL, AND NICKEL PLATING

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT

CONNECTOR: IRIDIUM: SMA MALE (J1, Red); GPS: SMA MALE (J2, Blue)

MOUNTING: FLAT FRONT (2 x 6-32 SCREWS), BACK (4 x 2-56 SCREWS), or FLUSH MAGNET

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, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ZONE	REV	DESCRIPTION	DATE	APPROVED
4				
1				

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

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 #17925 PER FED-STD-595B
1.9: 1.9" SQ. (FLAT)	1216: L1/L2 GPS	P: WITHOUT LNA	MN: Flush Mag. Mount	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
2: 2.6" DIA. (FLAT)	GPS & IRIDIUM	R: RIGHT ANGLE CON.	#: Cable Length (in)	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
3: 3.5" DIA. (FLAT)	1625: GLOBALSTAR	A2: WITH 20dB LNA		T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
4: MINI APRNG. (FLAT)	1523: GPS & XM				
53: (HELIX ROD)	1525: GPS & WI-FI				
5B: (HELIX BLADE)					
3D: (HELIX HANDHELD)					

ANTCOM CORP. TORRANCE CALIFORNIA

Low Profile Ruggedized Active GPS/IRIDIUM Antenna

SCALE 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas



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