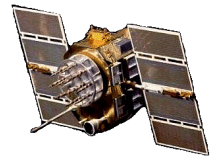




Active L1/L2 GPS / Iridium / GSM+3G Antenna

4.9in Tall, Blade Configuration, Top Mount

P/N: 5B3G1216LRR-AP-XTTT-1, with TNC, SMA, N, BNC Connector Options.



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>

5.250 [133.35] 2xR1.031 [R26.19] 2.055 [62.19] 4xø.201 [ø5.11] Thru. ø.385 [ø9.78] X 100° 1.117 [28.38] 4.929 [125.20] 3.600 [91.44] .980 [24.89] 1.291 [32.79] 1.291 [32.79]

IRIDIUM (Red) TNC GPS (Blue) TNC GSM+3G (Green) TNC

IR GPS GSM+3G

SPECIFICATIONS

ELECTRICAL:

	GPS (L1 or L1/L2, See P/N in Bottom Table)				IRIDIUM		GSM+3G	
FREQUENCY:	L1: (1575.4 ±13) L2: (1227.6 ±13) MHz				(1610.0 - 1626.5) MHz		(800-2500) MHz	
RADIATION PATTERN:	HEMISPHERICAL				HEMISPHERICAL		Vertical	
POLARIZATION:	RHCP				RHCP		OMNI	
VSWR:	< 2:1				< 2:1		< 2:1	
GAIN (dB):	F.S.	4 ft G.P	F.S.	4 ft G.P	4 ft G.P.	F.S.		
@ 90° (Zenith):	+4.6	+2.9	+1.8	+5.3	+4.9	+5.0		
@ 10° Elevation:	-2.5	-1.8	-4.2	-2.3	-1.0	-2.5		
@ 20° Elevation:	-1.1	+0.7	-2.9	+0.4	+1.5	-0.5		
@ 30° Elevation:	+0.5	+1.7	-2.0	+2.3	+2.4	+1.0		
@ 60° to 90° Elevation:	> 3.6	> 2.1	> 0.9	> 3.2	>+3.3	>+2.7		
BEAM WIDTH (3dB):	103 °	146 °	108 °	74 °	129 °	98 °-106 °		
AXIAL RATIO @ Zenith:	2 dB				2 dB			
POWER HANDLING:	1 Watt				30 W			
LIGHTNING PROTECTION:	DC GROUNDING				DC GROUNDING			
FILTER:	2 2-POL							
LNA GAIN:	(33.0+/-1.0) dB				N/A			
LNA P 1dB Out:	+16 dBm				N/A			
LNA NOISE FIGURE:	2.9 dB (Filter loss is Included)				N/A			
VOLTAGE/CURRENT:	(±2.8 TO ±28) Volts DC / (30 TO 50) mA				N/A			

MECHANICAL:

SIZE: WIDTH: 2.055 in. [52 mm], LENGTH: 5.25 in. [133 mm], HEIGHT: 4.929 in. [125.2 mm], 11.2 oz. (318 g)

WEIGHT: 11.2 oz. (318 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441

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

CONNECTOR: GPS: TNC-F (Blue), IRIDIUM: TNC-F (Red), GSM+3G: TNC-F (Green) (OPTION: SMA, TNC, TNC Bulkhead, N, N Bulkhead, BNC, MCX, MMCX, or Cable)

MOUNTING: FIXED MOUNT 4 x 10-32 MOUNTING SCREWS PROVIDED

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:

FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

QTY	DESCRIPTION	PART NO	MATERIAL	FINISH	REV
4	MOUNTING SCREW: (10-32, 1.25")	MS24693-C278	-	-	5
1					3
					1

UNLESS OTHERWISE SPECIFIED:

FRACCTIONS: DECIMALS: ANGLES: TOLERANCE DIM PER ANSI Y14.5

REMOVE ALL BURRS

BREAK EXTERNAL EDGES .005 TO .010

FILED & POL TO .005

SCREEN THRESHOLD PER MIL-C-8879

DIMS ON A COMMON 1/2" DIA

MACHINED SURFACES 1/2"

DO NOT SCALE DRAWING

APPROVED: S. HUYNH Aug-23-10

SCALE 1/1

SHEET 1 OF 1

P/N: 5B3G1216LRR-AP-XTTT-1

NOTES: UNLESS OTHERWISE SPECIFIED:
 1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
 2. ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

NMO Connector Option is Now Available for Some Antennas