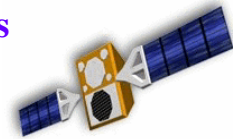




“Not Yet Approved” Tx Globalstar/Thuraya & Active L1/L2 GPS Antennas (5.03”x2.08”x0.69”), Flat or Pipe mount, P/N: 5G1216RL-AP-XXX-X



ISO 9001:2008/FAA Approved Facility Antenna Mounts/Adapters: <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 . <http://www.antcom.com>

MECHANICAL:
 SIZE: WIDTH: 2.20 in. [55.88 mm], LENGTH: 5.026 in [127.66 mm], HEIGHT: 0.721 in. [18.31 mm]
 WEIGHT: 8.0 oz. (226 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: SMA FEMALE, IRIIDIUM: TNC FEMALE (OPTION: SMA, TNC, TNC Bulkhead, N, N Bulkhead, MCX, MMCX, or Cable)
 MOUNTING: FLAT FIXED MOUNT; O-RING & 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:
DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ELECTRICAL:		SPECIFICATIONS					
		Tx-Globalstar-Thuraya			L1 OR L1/L2 GPS		
FREQUENCY:	(1610.0 - 1626.5) Mhz				L1: (1575.42 ±13) L2: (1227.60 ±13) MHz		
RADIATION PATTERN:	HEMISPHERICAL				HEMISPHERICAL		
POLARIZATION:	LHCP				RHCP		
VSWR:	< 1.5:1				< 1.5:1		
GAIN (dB):	4 ft G.P.	Free Space	F.S.	4 ft G.P.	F.S.	4 ft G.P.	
@ 90° (Zenith):	+4.9	+5.0	+4.6	+2.9	+1.8	+5.3	
@ 10° Elevation:	-1.0	-2.5	-2.5	-1.8	-4.2	-2.3	
@ 20° Elevation:	+1.5	-0.5	-1.1	+0.7	-2.9	+0.4	
@ 30° Elevation:	+2.4	+1.0	+0.5	+1.7	-2.0	+2.3	
@ 60° to 90° Elevation:	>+3.3	>+2.7	>3.6	>2.1	>0.9	>3.2	
BEAM WIDTH (3dB):	129°	98°-106°	103°	146°	108°	74°	
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				
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				

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

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

QUANTITY NEEDED

QTY	DESCRIPTION	PART NO	MATERIAL	FINISH	REF NO
4	MOUNTING SCREW: (10-32, 1")	MS24693C276	-	-	5
1	ADHESIVE GASKET	12345G-3M-4G	-	-	3
1	O-RING	2-038-N756-75	-	-	1

UNLESS OTHERWISE SPECIFIED

FRAC TIONS	TOLERANCES	ANGLES
± 1/64	± .005	± 1°

ANTCOM CORP. TORRANCE CALIFORNIA

FLAT FIXED MOUNT
 Tx Globalstar-Thuraya & Active L1/L2 GPS ANTENNA

APPROVED: S. HUYNH DEC-13-02

SCALE 1/1 SHEET 1 OF 1