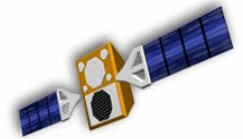




"Not Yet Approved" Tx Globalstar/Thuraya & Active L1 GPS Antennas (5.03"x2.08"x0.69"), Flat or Pipe mount, P/N: 5G1516RL-AP-XXX-X



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

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SPECIFICATIONS		REVISIONS		
ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

	Tx-Globalstar-Thuraya (1610.0 - 1626.5) MHz	GPS L1: (1575.42 ±13)
FREQUENCY:		
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.
@ 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
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: 2.20 in. [55.88 mm], LENGTH: 5.026 in [127.66 mm], HEIGHT: 0.721 in. [18.31 mm]

WEIGHT: 8.5 oz. (242 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: 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

GPS: SMA Female (Blue) (OPTION: SMA, N, MCX) (+2.5 to +30) Volts DC

DATE STAMP/NAMEPLATE

Tx Globalstar: TNC Female (Red) (OPTION: SMA, N, MCX)

O-RING (2-038)

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	REF. NO.
4	MOUNTING SCREW: (10-32, 1")	MS24693C276	-	-	5
1	O-RING	2-038-N756-75	-	-	1

CONFIGURATION	FREQ. BAND	GPS/Globalstar	LNA	CABLE'S LENGTH	GPS/IRIDIUM CONNECTOR	COLOR
1. 2.5" (63.5) DIA. (FLAT)	1575.42 ±13	GPS & Globalstar	X: WITH LNA	X: NO CABLE	S: SMA; P: PINS	1: GLOSS WHITE #17926 PER FED-STD-595B
2. 2.6" DIA. (FLAT)	1575.42 ±13	GPS & Globalstar	P: WITHOUT LNA	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	2: LUSTERLESS GRAY #36320 PER FED-STD-595B
3. 3.5" DIA. (FLAT)	1575.42 ±13	GPS & Globalstar		R: RIGHT ANGLE CON.	N: N; NB: N-Bulkhead	3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
4. MINI ARINC (P)	1575.42 ±13	GPS & Globalstar		T: TNC; TB: TNC-Bulkhead		4: LUSTERLESS BLACK #37038 PER FED-STD-595B
5. (HELIX ROD)	1575.42 ±13	GPS & Globalstar				
6. (HELIX BLADE)	1575.42 ±13	GPS & Globalstar				
7. (HELIX HANDHELD)	1575.42 ±13	GPS & Globalstar				

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

ANTCOM CORP. TORRANCE, CALIFORNIA

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

APPROVED: S. HUYNH DEC-13-02

SCALE: 1/1

SHEET 1 OF 1