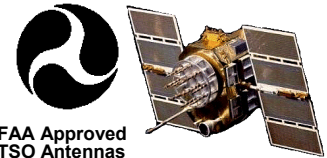




Active L1 GPS & (IRIDIUM/Inmarsat or Thuraya) Antenna:
 P/N: 5G1516RR-AP-XTT-X, P/N: 5GIR1516RR-AP-XST-1 or P/N: 5G1516RR-AP-XST-1
 (5.03"x2.08"x0.69"), Flat/Pipe mount, with BNC, TNC, SMA, N Connector Options.



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 . <http://www.antcom.com>

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5.026 [127.66]
 4x.800 [20.32]
 2.200 [55.88]
 4x.201 [Ø5.11]
 4x2.119 [53.82]
 .721 [18.31]
 R6.000 [R152.40]
 .572 [14.53]
 .784 [19.91]
 .148 [3.77]
 .937 [23.80]
 .143 [3.63]
 .406 [10.31]

GPS: TNC Female (J2, Blue)
 DATE STAMP/NAMEPLATE
 (+2.5 to +30) Volts DC
 Iridium: TNC Female (J1, Red)
 O-RING (2-038)

P/N: 5G1516RR-AP-XTT-X

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

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: 2.20 in. [55.88 mm], LENGTH: 5.026 in [127.66 mm], HEIGHT: 0.721 in. [18.31 mm]
 WEIGHT: 7.84 oz. (222 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: TNC FEMALE (J1, Red); GPS: TNC FEMALE (J2, Blue)
 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, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	REF
4	MOUNTING SCREW: (10-32, 1")	MS24693C276	-	-	5
1	O-RING	2-038-N756-75	-	-	3

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 FINISHES: SURFACE: ± 1/64
 HOLE: ± 1/64
 TOLERANCE 5TH PER AMS Y14.5
 DRAWN: S. HUYNH
 DEC-13-02
 DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA
 TSO APPROVED
 ACTIVE IRIDIUM/GPS
 ANTENNA
 D 3CVE1 5G1516RR-AP-XTT-1
 SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas