



FAA Approved Facility

Separated Tx & Rx RHCP-Inmarsat L-Band Antenna, P/N: 5G1516RR-PP-XSS-X (5.03"x2.08"x0.37"), Flat, Top Mount, Bottom Connector Configuration

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: 0.378 in. [9.60 mm]
 WEIGHT: 5.20 oz. (147 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: Rx L-Band, SMA-F (J2, Blue), Tx L-Band, SMA-F (J1, Red) (OPTION: MMCX, MCX, R-SMA, TNC, N, 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:

	TX L-BAND INMARSAT (1642.50 ±17.5)	RX L-BAND INMARSAT (1542.50 ±17.5)
FREQUENCY:		
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	+4.6
@ 10° Elevation:	-1.0	-2.5
@ 20° Elevation:	+1.5	-0.5
@ 30° Elevation:	+2.4	+1.0
@ 60° to 90° Elevation:	>+3.3	> 3.6
BEAM WIDTH (3dB):	129° 98°-106°	103° 146°
AXIAL RATIO @ Zenith:	2 dB	2 dB
POWER HANDLING:	30 W	30 W
LIGHTNING PROTECTION:	DC GROUNDING	DC GROUNDING
FILTER:	N/A	N/A
LNA GAIN:	N/A	N/A
LNA P 1dB Out:	N/A	N/A
LNA NOISE FIGURE:	N/A	N/A
VOLTAGE/CURRENT:	N/A	N/A

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ± 1/64 DECIMAL ± 0.005 ANGLES ± 1°	DATE	BY	CHKD	APP'D	REV
TOLERANCE 3/16 PER ANSI Y14.5 BREAK ALL SURFS BREAK EXTERNAL EDGES 0.010 TO .015 FLATS 0.005 TO 0.010 HOLE THROAT RADIUS 0.010 DITS ON A CORNER 0.010 MACHINED SURFACES	NOV 12 2013	S. HUYNH			
	NOV-12-03				

ANTCOM CORP. TORRANCE, CALIFORNIA	
FLAT FIXED MOUNT RX/TX L-BAND INMARSAT ANTENNA	
P/N: 5G1516RR-PP-XSS-X SCALE 1/1 SHEET 1 OF 1	D 3CVE1 5G1516RR-PP-XSS-X DO NOT SCALE DRAWING

NMO Connector Option is Now Available for Some Antennas