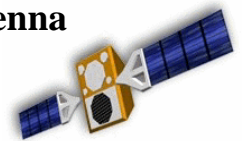




“Not Yet Approved” RHCP RX-Inmarsat/GPS & LHCP Thuraya/TX-Globalstar Antenna

P/N: 3x2G1516RL-P-XMMMM-4

(3.64”x 2.50”x 0.43”), Front Mount (Other Configurations are Available)



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

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Thuraya/Tx-Globalstar: MMCX FEMALE with 20in Cable, (OPTION: SMA, TNC Bulkhead, N, N Bulkhead, MCX, MMCX)

GPS/Rx-Inmarsat: MMCX FEMALE with 20in Cable, (OPTION: TNC, TNC Bulkhead, N, N Bulkhead, MCX, MMCX)

(+2.5 to +30) Volts DC (Active)

P/N: 1.5G1516RL-P-XSS-4

SPECIFICATIONS

ELECTRICAL:		REVISIONS	
		ZONE	REV
		DESCRIPTION	DATE
		APPROVED	
FREQUENCY:	Thuraya & Tx-Globalstar (1610.0 - 1626.5) MHz	Rx-Inmarsat/GPS (1525 -1580) 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
@ 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 GROUNDIN G	DC GROUNDIN G	
LNA OPTION			
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:1.56 in. [39.7 mm], LENGTH:3.64 in [92.5 mm], HEIGHT:0.63 in. [16.0 mm]

WEIGHT: 3.5 oz. (99 g)

FINISH: SKYDROLRESISTANTPOLYURETHANEENAMEL,AND NICKEL PLATING

MATERIAL: 6061-T6ALUMINUMALLOYBASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT,ANDSKYDROLRESISTANCE, FIRE RETARDANT

CONNECTOR: Thuraya/Tx-GlobalstarMMCX FEMALE (J1, Red); GPS/Rx-InmarsatMMCX FEMALE (J2, Blue). Availablein Other Con. Types

MOUNTING: FLAT FRONT (2 x 6-32 SCREWS),BACK (4 x 2-56 SCREWS), or FLUSHMAGNET

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]

ALTITUDE: 70,000ft.

VIBRATION: > 30 G's

LEAKAGE: HERMETICALLYSEALED

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 REQD	DESCRIPTION	PART NO	MATERIAL	FINISH	REF NO
4					5
					3
1					1

CONFIGURATION:	FREQ. BAND 1/2 (MHz):	BAND 1/2 Polarizations:	GPS LNA:	CABLE LENGTH	GPS/IRIDIUM CONNECTOR:
1: 2' SQ. (FLAT)	1516:Rx-Inmarsat/GPS	RL: RHCP/LHCP	A: WITH 33dB LNA	X: NO CABLE	S: SMA; P: PINS
1.9: 1.9' SQ. (FLAT)	Thuraya/Tx-Gobalstar	LR: LHCP/RHCP	P: WITHOUT LNA	MIN: Flush Mag. Mount	M: MCX; MM: MMCX
2: 2.6' DIA. (FLAT)	1216:Rx-Inmarsat/L1/L&PS& Thuraya/Tx-Gobalstar	RR: RHCP/RHCP	A1: WITH 120dB LNA	#: Cable Length (in)	N: N; NB: N-Bulkhead
3: 3.5' DIA. (FLAT)		LL: LHCP/LHCP	A2: WITH 200dB LNA	R: RIGHT ANGLE CON.	T: TNC; TB: TNC- Bulkhead
4: MINI ARINC (FLAT)					
53: (HELIX ROD)	XXYY: Any other 2 bands				
5B: (HELIX BLADE)					
5D: (HELIX HANDHELD)					

ANTCOM CORP. TORRANCE CALIFORNIA

Low Profile Ruggedized
Thuraya/Tx-Gobalstar & Rx-Inmarsat/GPS
Antenna

REV D 3CVE1 3X2A1516RL-X-XMMMM-4

SCALE 1/1 SHEET 1 OF 1