



Remote Active Tx(5watts)/Rx Globalstar Antennas

P/N: 73G1625LL-A4H1-XS-XF1

8.8" x 4.1" x 8.8", Pipe/Flat Mount Configurations



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

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SPECIFICATIONS

ELECTRICAL:		REVISION S			
ZONE	REV	DESCRIPTION	DATE	APPROVE D	
TX		RX			
FREQUENCY:	(1610.0 - 1626.5) MHz	(2483.5 - 2500.0) MHz			
RADIATION PATTERN:	HEMISPHERICAL				
POLARIZATION:	LHCP	LHCP			
VSWR:	< 2.0:1	< 2.0:1			
GAIN (dBic):	Free Space	Free Space			
@ 90° (Zenith, Top):	+ 2.30	+ 2.40			
@ 10° Elevation:	- 0.50	+ 1.50			
@ 20° Elevation:	+ 0.97	+ 2.20			
@ 30° Elevation:	+ 1.60	+ 2.50			
@ 45° Elevation:	+ 2.20	+ 2.30			
@ 70° Elevation:	+ 2.20	+ 2.50			
AXIAL RATIO @ Zenith:	2 dB	2 dB			
3dB BEAM WIDTH	160 °	172 °			
POWER HANDLING:	5 Watts	1 Watt			
DC GROUNDING:	YES (LIGHTNING PROTECTION)				
ISOLATION: PASSIVE (NO FILTER)	> 54 dB @Tx Band, and > 37 dB @ Rx Band				
FILTER REJECTION	1605 MHz: -60 dB 1606 MHz: -39 dB 1607 MHz: -18 dB 1608 MHz: -8 dB	1620 MHz: -4 dB 1621 MHz: -5 dB 1622 MHz: -6 dB 1623 MHz: -14 dB	(824-894) MHz > 70 dB (1610-1626.5) MHz > 60 dB (2330-2051) MHz > 31 dB (2259-2275) MHz > 26 dB (2400-2440) MHz > 20 dB (2440-2450) MHz > 14 dB (2570-2600) MHz > 19 dB		
HPA/LNA:					
GAIN:	16 dB	48 dB			
OIP3/NOISE FIGURE:	OIP3: >+45.5 dB	2.4 dB			
OUTPUT POWER P1dB:	>+36 dBm	+11 dB			
BIAS:	+8.5 to +24 Volts DC FROM REV. POLARITY CON. (GREEN)	(+2.5 to +30) Volts DC FROM Rx RF CON.			
CURRENT:	< 1.8 AMP	< 60 mA			
MECHANICAL:					
SIZE:	L= 8.870 in [225.30 mm], W= 4.120 in [104.65 mm] HEIGHT: 8.830 in [224.28 mm] (TBD) > 5.15 oz. (146 g)				
WEIGHT:					
FINISH:	RADOME: SKYDROL RESISTANT POLYURETHANE ENAMEL HOUSING/BASE: IRIDITE PER MIL-C-5441				
MATERIAL:	6061-T6 ALUMINUM ALLOY HOUSING/BASE; COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT				
CONNECTOR:	Tx (Red): SMA FEMALE, Rx (Blue): SMA FEMALE (OPTIONAL: PINS, TNC, MCX, MMCX, OR CABLE)				
ENVIRONMENTAL:					
TEMPERATURE:	-67 °F TO +185 °F [-55 °C TO +85 °C]				
ALTITUDE:	15,000 ft.				
VIBRATION:	10 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				
QTY	DESCRIPTION	PART NO	FINISH	ITEM NO.	
4	MOUNTING SCREW: (10-32, 1")	MS24693C276		3	
1	O-Ring	2-031/N756-75		1	
CONFIGURATION:	POLARIZATION:	LNA (Rx) / HPA (Tx)	CABLE LENGTH	CONNECTOR	COLOR
1: 2" SQ. (FLAT)	LL: TX: LHCP, RX: LHCP	A1: WITH +34 dB LNA	X: NO CABLE	S: SMA; P: PINS	-1: GLOSSWHITE#17925PERFED-STD-595B
1.9: 1.9" SQ. (FLAT)	LR: TX: LHCP, RX: RHCP	H1: WITH 5 Watts HPA	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESSGRAY#36320PERFED-STD-595B
2: 2.5" DIA. (FLAT)	RL: TX: RHCP, RX: LHCP	P: WITHOUT LNA	#: CABLE LENGTH(IN)	N: N; NB: N-Bulkhead	-3: OLIVEDRABGREEN#34031PERFED-STD-595B
3: 3.5" DIA. (FLAT)	RR: TX: RHCP, RX: RHCP	A4: WITH +48 dB LNA	R: RIGHT ANGLE CON.	T: TNC; TB: TNC- Bulkhead	-4: LUSTERLESSBLACK#37038PERFED-STD-595B
4: MINI ARINC (FLAT)		H2: WITH 2 Watts HPA			
73: (HELIX ROD)					
7B: (HELIX BLADE)					
7D: (HELIX HANDHELD)					

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE FRACTIONS DECIMALS ANGLES ± 1/8" ± .0005 ± .01

REMOVE ALL BURRS BREAK EXTERNAL EDGES TO 0.015 SELECT FINISHES PER MIL-STD-883C METHOD 2000.2 SURFACE FINISHES PER MIL-STD-883C METHOD 2000.2 MACHINED SURFACES

DO NOT SCALE DRAWING

ANTCOM CORP.

REMOTE ACTIVE (MCM4) FIXED MOUNT HELIX GLOBALSTAR ANTENNA

REV: D CAD: 3CEV1 DATE: 7/3/05

SCALE: 1/1 SHEET: 1 OF 1