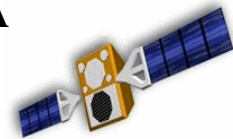




# “Not Yet Approved” Tx/Rx Globalstar Antenna, P/N: 3G1625LL-A1-XS-XF1 Rev A

## 3.5” Diameter Configuration with Additional Back Mounting Option



ISO 9001:2008/FAA Approved Facility 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](mailto:antennas@antcom.com) . <http://www.antcom.com>

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REVISIONS		DATE	APPROVED
A	Further Away Connector	Aug-21-08	S.H.

### SPECIFICATIONS

**ELECTRICAL:**

	TX	RX
FREQUENCY:	(1610 - 1625) MHz	(2484 - 2499) MHz
RADIATION PATTERN:	HEMISPHERICAL	
POLARIZATION:	LHCP	LHCP
VSWR:	< 1.5:1	
GAIN (dB):	4 ft G.P.	Free Space
@ 90° (Zenith):	+4.0	+5.4
@ 10° Elevation (Ave):	-1.0	-2.0
@ 20° Elevation (Ave):	+1.6	-0.4
@ 30° Elevation (Ave):	+2.4	+1.2
@ 45° Elevation (Ave):	+2.2	+3.1
@ 70° Elevation (Ave):	+3.3	+5.1
AXIAL RATIO @ Zenith:	2 dB	2 dB
POWER HANDLING:	>5 W	1 Watt
DC GROUNDING:	YES (LIGHTNING PROTECTION)	
FILTER (REJ. @1616 MHz):	> 57 dB	
LNA GAIN:	N/A	(35 +/- 1) dB
LNA NOISE FIGURE:	N/A	2.8 dB
LNA VOLTAGE:	N/A	(+2.5 to +3.0) Volts DC FROM RX RF CONN.
LNA DRAWING CURRENT:	N/A	< 38 mA

**MECHANICAL:**

SIZE: DIAMETER: 3.50 in. [88.90 mm]  
HEIGHT: 0.690 in. [17.53 mm]  
5.15 oz. (146 g)

WEIGHT:

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL  
BASE IRIDITE PER MIL-C-5441

COLOR: GLOSS WHITE #17925 PER FED-STD-595B  
LUSTERLESS GRAY #36320 PER FED-STD-595B  
OLIVE DRAB GREEN #34031 PER FED-STD-595B  
LUSTERLESS BLACK #37038 PER FED-STD-595B

MATERIAL: 6061-T6 ALUMINUM ALLOY 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 CABLES)

**ENVIRONMENTAL:**

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]  
ALTITUDE: 70,000 ft.  
VIBRATION: > 30 G's  
LEAKAGE: HERMETICALLY SEAL

**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

QTY	DESCRIPTION	PART NO.	FINISH	REV
4	MOUNTING SCREWS: 10-32, 3/4"	MS24693C274	-	5
A/R	WASHER, CUSTOM C'SINK	3G15P1001-6	-	3
1	ADHESIVE GASKET	12345G-3M-3G	-	1
-2	DESCRIPTION	PART NO.	FINISH	REV

**UNLESS OTHERWISE SPECIFIED**  
DIMENSIONS ARE IN INCHES  
FRACTIONS DECIMALS ANGLES  
± 1/64 .0005 ± .1°  
TOLERANCE SURF PER ANS Y14.5  
REMOVE ALL BURRS  
BREAK EXTERNAL EDGES .005 TO .015  
FILLET R .005 TO R .030  
DATE ON A COMMON 44-1-8479  
MACHINING SURFACES  
DO NOT SCALE DRAWING

## 3G1625LL-A1-XS-1F1

SIZE	FREQ. BAND	POLARIZATION:	LNA:	FILTER
1: 2" SQ	1625: Tx/Rx	LL: TX: LHCP, RX: LHCP	A1: WITH +35 dB LNA	F0: NO FILTER
1.9: 1.9" SQ	25: Rx ONLY	LR: TX: LHCP, RX: RHCP	A2: WITH +49 dB LNA	F1: 57 dB REJECTION @ 1616 MHz
2: 2.6" DIA	16: Tx ONLY	RL: TX: RHCP, RX: LHCP	P: WITHOUT LNA	F2: >100 dB REJECTION @ 1616 MHz
3: 3.5" DIA		RR: TX: RHCP, RX: RHCP		
4: MINI ARINC				

CABLE LENGTH	CONNECTOR	COLOR
M: MAG, N: NO MAG	S: SMA, P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: MAG, N: NO MAG	M: MCX, MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
#: CABLE LENGTH (IN)	N: NB, N: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CONN	T: TB, TNC, TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

**ANTCOM CORP.** TORRANCE, CALIFORNIA

3.5" DIAMETER, FIXED MOUNT GLOBALSTAR ANTENNA

APPROVED: S. HUYNH 01-05-29  
DATE: 01-05-29  
SCALE: 1/1

2. MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED: