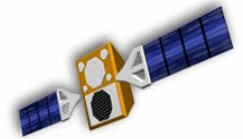




“Not Yet Approved” Tx/Rx Globalstar Antenna, P/N: 1G1625LL-A1-XX-XF1

2.0” Square, Flat Mount Configuration with Side Mount Cables



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

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4x R.780 [R19.81]

2.078 [52.78] SQ.

SPERICAL R6.000 [R152.40]

R.125 [R3.18]

.690 [17.53]

MOUNTING:
4X 4-40 UNF-2A
X 0.155 Deep,
ADHESIVE GASKET,
OPTIONAL: MAGNET

2X .756 [19.20]

2X 1.512 [38.40]

SMA FEMALE (BLUE, RECEIVE), 36" LONG CABLE
(+2.5 to +30) Volts DC for Active Antenna only
(OPTIONAL: MCX, MMCX, TNC, OR N)

SMA FEMALE (RED, TRANSMIT),
36" LONG CABLE
(OPTIONAL: MCX, MMCX, TNC, OR N)

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

SPECIFICATIONS

ELECTRICAL:

	TX	RX	
FREQUENCY:	(1610 - 1625) MHz	(2484 - 2499) MHz	
RADIATION PATTERN:	HEMISPHERICAL		SEE PART NO. BELOW
POLARIZATION:	LHCP	LHCP	
VSWR:	< 1.5:1		
GAIN (dB):	4 ft G.P.	Free Space	4 ft G.P.
@ 90° (Zenith):	+4.4	+4.3	+2.2 +3.9
@ 10° Elevation (Ave):	-1.6	-2.9	-1.4 -2.6
@ 20° Elevation (Ave):	+1.1	-1.2	+1.3 -0.9
@ 30° Elevation (Ave):	+2.1	+0.5	+0.4 +0.3
@ 45° Elevation (Ave):	+2.3	+2.5	+0.6 +1.7
@ 70° Elevation (Ave):	+3.7	+4.2	+0.0 +3.5
AXIAL RATIO @ Zenith:	2 dB		2 dB
POWER HANDLING:	>5 W		1 Watt
DC GROUNDING:	YES (LIGHTNING PROTECTION)		
FILTER (REJ. @1618 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 +30) Volts DC FROM Rx RF CON.	
LNA DRAWING CURRENT:	N/A	< 38 mA	

MECHANICAL:

SIZE: LENGTH: 2.080 in. [52.78 mm], WIDTH: 2.080 in. [52.78 mm]
HEIGHT: 0.690 in. [17.53 mm]

WEIGHT: 2.88 oz. (82 g)

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-595 B
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
WITH 36" CABLES; (OPTIONAL: L: MCX, MMCX, TNC, OR N)

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

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REV
1	ADHESIVE GASKET	12345G-3M-1G				5
-2	-1					3
						1

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
FRACTIONS SHALL BE DECIMALS
± 1/64
± .015
± .010
± .005
± .002

ANTCOM CORP. TORRANCE, CALIFORNIA

1.9" SQUARE, FLAT/MAGNETIC MOUNT GLOBALSTAR ANTENNA

1G1625LL-A1-XX-XF1

SCALE 1/1 SHEET 1 OF 1