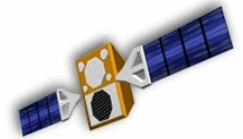




"Not Yet Approved" Tx/Rx Globalstar Antenna, P/N: 2G1625LL-A1-XS-XF1

2.6" Diameter, Bulkhead/Back Mount Configuration



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 . <http://www.antcom.com>

SPHERICAL R6.000 [R152.40]
R.375 [R9.52]

0.57" [14.53] (TNC), 0.72" [18.29] (N, N-Bulkhead)
0.357" [9.07] (SMA), 0.83" [21.00] (TNC-Bulkhead)
0.200" [5.08] (MCX)

1.630 [41.41]

1.630 [41.41] .815 [20.70]

Optional Mounting:
4X 6-32 UNC-2B, 0.160" Deep,
ADHESIVE GASKET

1.49 [3.78]

1.630 [41.41]

SMA FEMALE CONNECTOR (BLUE RECEIVE)
(+2.5 to +30) Volts DC for Active Antenna only
(OPTIONAL: PINS, TNC, MCX, MMCX, OR CABLES)

SMA FEMALE MALE CONNECTOR
(RED TRANSMIT)
(OPTIONAL: PINS, TNC, MCX, MMCX, OR CABLES)

.255 [6.48]

.255 [6.48]

REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION	

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	4 ft G.P. Free Space
@ 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: DIAMETER: 2.60 in. [66.04 mm]
HEIGHT: 0.690 in. [17.53 mm]

WEIGHT: 4.00 oz. (113 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-595B
OLIVE DRAB GREEN #34031 PER FED-STD-595B
LUSTERLESS BLACK #87038 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

SIZE	FREQ. BAND	POLARIZATION	LNA	FILTER
1: 2" SQ.	1625 Tx/Rx	LL: TX: LHCP, RX: LHCP	A1: WITH +35 dB LNA	F1: NO FILTER
1.9: 1.9" SQ.	25: Rx ONLY	LR: TX: LHCP, RX: RHCP		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: MINIARINC				

2G1625LL-A1-XS-1F1

CABLE LENGTH	CONNECTOR	COLOR
X: NO CABLE	S: SMA, P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: MAG, N: NOMAG	M: MCX, MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
F: CABLE LENGTH (IN)	N: NB, N: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON	T: TB, TNC, TNC-Bulkhead	-4: LUSTERLESS BLACK #87038 PER FED-STD-595B

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES ± 1/64 .005 ± .005 ± 1°

TOLERANCE 51M PER ANSI Y14.5

REMOVE ALL SURF. BREAK EXTENS. EDGES .005 TO .015

DRIVER: [Signature]

ORDERED: [Signature]

APPROVED: [Signature]

DATE: 01-05-29

SCALE: 1/1

SHEET 1 OF 1