



FAA Approved Facility

L-Band LHCP & Tx Globalstar Antennas, P/N: 2G16LL-P-60MT-X

2.6" Diameter, Magnetic Mount Configurations with Low Loss Cable



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Ø2.600 [Ø66.04]
R6.000 [R152.40]
.948 [24.08], .690 [17.53] WITHOUT MAGNET
NAMEPLATE
4x1.153 [29.28]
Optional Mounting:
4x6-32 SCREWS, 0.160" Deep,
OR ADHESIVE GASKET

ELECTRICAL:

MECHANICAL:

ENVIRONMENTAL:

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO:

SPECIFICATIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

FREQUENCY:	(1610.0 - 1626.5) MHz
RADIATION PATTERN:	HEMISPHERICAL
POLARIZATION:	LHCP
VSWR	< 1.5:1
GAIN (dB):	4 ft G.P. FreeSpace
@ 90° (Zenith):	+4.6 +5.1
@ 10° Elevation (Ave):	-1.1 -2.1
@ 20° Elevation (Ave):	+1.9 -0.3
@ 30° Elevation (Ave):	+2.6 +1.1
@ 45° Elevation (Ave):	+3.0 +2.6
@ 70° Elevation (Ave):	+4.0 +4.6
Beam Width (3dB):	139° 99°
AXIAL RATIO @ Zenith:	2.0 dB
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt
DC GROUNDING	YES (LIGHTNING PROTECTION)

MATERIAL: DIAMETER = 2.60 in. [66.04 mm]
HEIGHT = 0.690 in. [17.53 mm]

WEIGHT: 5.15 oz. (146 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 #37038 PER FED-STD-595B

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
COMPOSITE RADOME, IMPACT, ABRASION,
UV, SOLVENT, AND SKYDROL RESISTANCE,
FIRE RETARDANT

CONNECTOR: TNC MALE CONNECTOR WITH 17 FT LOW LOSS CABLE
(OPTION: SMA, N, TNC, N-Bulkhead, MCX, MMCX)

MOUNTING: FLAT MAGNETIC MOUNT

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

ALTITUDE: 70,000 ft.

VIBRATION: > 30 G's

LEAKAGE: HERMETICALLY SEALED

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541,
MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND
SAE J1455

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	REF
5	ADHESIVE GASKET	12345G-3M-3G			5
3					3
1					1

CONFIGURATION:	POLARIZATION:	LNA:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
1: 2" SQ. (FLAT)	LL: TX: LHCP, RX: LHCP	AT: WITH +34 dB LNA	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
1.9: 1.9" SQ. (FLAT)	LR: TX: LHCP, RX: RHCP		M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
2: 2.6" DIA. (FLAT)	RL: TX: RHCP, RX: LHCP	P: WITHOUT LNA	#: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
3: 3.5" DIA. (FLAT)	RR: TX: RHCP, RX: RHCP		R: RIGHT ANGLE CON.	T: TNC; TB: TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
4: MINI ARINC (FLAT)					
53: (HELIX ROD)					
5B: (HELIX BLADE)					
3D: (HELIX HANDHELD)					

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
FRACTIONS TO BE SHOWN IN ANGLES
± 1/64 .004 .015 ± 1°
TOLERANCE .010 PER ANSI Y14.5
REMOVE ALL BURRS
BREAK LATERAL EDGES .060 TO .015
FILLER IS OK TO BE USED
SCREW HEADS PER MIL-STD-8839
DATE ON A COUSIN 1/2" DIA
MACHINED SURFACES 1/2"

ANTCOM CORP. TORRANCE CALIFORNIA
2.6" Dia. MAGNETIC MOUNT
Tx GLOBALSTAR ANTENNA
(with 5 ft Cable)

APPROVED: S. HUYNH DEC-13-02
Dwg File No: 3CVE1 2G16LL-P-60MT-X
SCALE 1/1 SHEET 1 OF 1

NOTES: UNLESS OTHERWISE SPECIFIED:
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
2. ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

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Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>
NMO Connector Option is Now Available for Some Antennas