



FAA Approved Facility

S-Band LHCP & Rx Globalstar Antennas, P/N: 2G25LL-P-60MT-X

2.6" Diameter, Magnetic Mount Configurations with Low Loss Cable



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>

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Dimensions:
 $\phi 2.600$ [$\phi 66.04$]
 $R6.000$ [$R152.40$]
 $.948$ [24.08], $.690$ [17.53] WITHOUT MAGNET
 4×1.153 [29.28]
 Optional Mounting: $4 \times 6-32$ SCREWS, 0.160 " Deep, OR ADHESIVE GASKET

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(2483 - 2500) MHz	
RADIATION PATTERN:	HEMISPHERICAL	
POLARIZATION:	LHCP	
VSWR:	< 1.5:1	
GAIN (dB):	4 ft G.P.	Free Space
@ 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)	

MECHANICAL:

SIZE: DIAMETER = 2.60 in. [66.04 mm]
 HEIGHT = 0.742 in. [18.85 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 192" LOW LOSS CABLE (OPTION: TNC Bulkhead, SMA, N, N Bulkhead, MCX, MMCX, or Cable)
 MOUNTING: FLAT FIXED MOUNT; ADHESIVE GASKET & MOUNTING NUT PROVIDED

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

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ZONE	REV	DESCRIPTION	DATE	APPROVED

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)					
5S: (HELIX ROD)					
5B: (HELIX BLADE)					
5D: (HELIX HANDHELD)					

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	NOTES
	MOUNTING SCREWS: 10-32, 3/4"	MS24693C274			5
	ADHESIVE GASKET	12345G-3M-3G			3
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NOTES: UNLESS OTHERWISE SPECIFIED:
 1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
 2. ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

P/N: 2G25LL-P-192MT-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ANTCOM CORP. TORRANCE, CALIFORNIA							
FRACTIONS: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8	DECIMALS: .015, .030, .060, .125, .250, .500, 1.000								
TOLERANCE .010 PER ANSI Y14.5	SEE DRAWING FOR DIMENSIONS	2.6" Dia. FLAT MAGNETIC MOUNT S-BAND LHCP ANTENNA (with 192" Cable)							
REMOVE ALL BURRS BEFAC EXTERNAL EDGES AND TO .015	FLATNESS .002 TO .010								
FORM 10-1983 (REV. 10-1983)	DATE ON A COPIES 8-27-00	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>REV</td> <td>DATE</td> <td>DESCRIPTION</td> </tr> <tr> <td>D</td> <td>3CVE1</td> <td>2G25LL-P-192MT-1</td> </tr> </table>		REV	DATE	DESCRIPTION	D	3CVE1	2G25LL-P-192MT-1
REV	DATE			DESCRIPTION					
D	3CVE1	2G25LL-P-192MT-1							
DO NOT SCALE DRAWING	SCALE 1/1	SHEET 1 OF 1							