



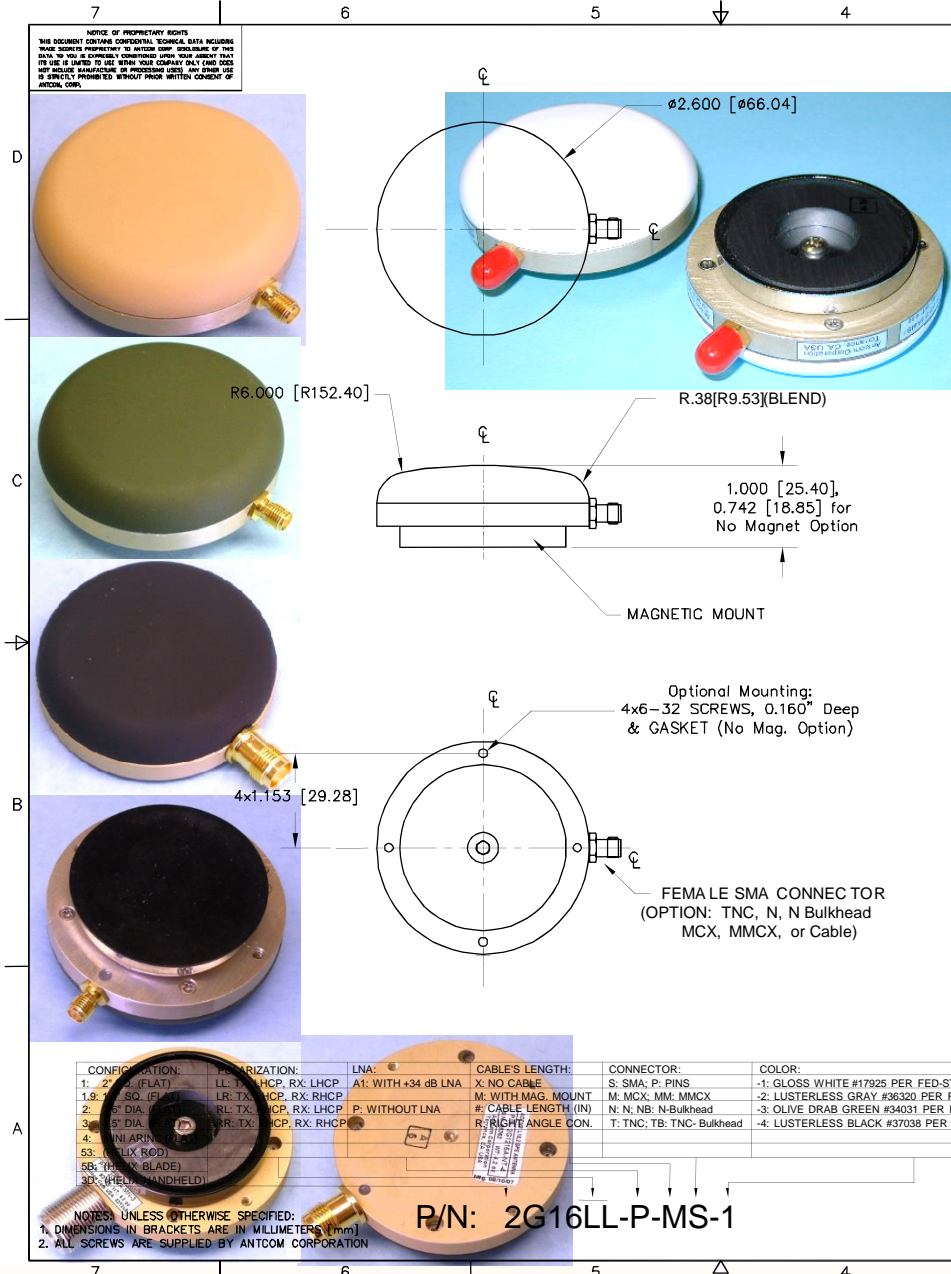
FAA Approved Facility

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

2.6" Diameter, Magnetic Mount Configuration



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



SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(1610.0 - 1626.5) 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:

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SIZE: 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: SMA FEMALE CONNECTOR,
(OPTION: TNC, N, N Bulkhead, MCX, MMCX,
or Cable)

MOUNTING: FLAT FIXED MOUNT; ADHESIVE GASKET &
MOUNTING NUT PROVIDED

ENVIRONMENTAL:

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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, D0-228, MIL-C-5541,
MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND
SAE J1455

MOUNTING SCREWS: 10-32, 3/4"	MS24693C274	-	-	5
ADHESIVE GASKET	12345G-3M-3G	-	-	3
		-	-	1

CONFIGURATION: 1: 2" DIA. (FLAT) 1.9: 1.5" DIA. (FLAT) 2: 2" DIA. (FLAT) 3: 1.5" DIA. (FLAT) 4: MINI ARINC 429 53: MINI ARINC 429 56: MINI ARINC 429 60: MINI ARINC 429	POLARIZATION: LL: LHCP, RX: LHCP LR: TX: LHCP, RX: RHCP RL: TX: LHCP, RX: LHCP RR: TX: LHCP, RX: RHCP	LNA: A1: WITH +34 dB LNA P: WITHOUT LNA	CABLE'S LENGTH: X: NO CABLE M: WITH MAG. MOUNT # : CABLE LENGTH (IN) R: RIGHT ANGLE CON.	CONNECTOR: S: SMA; P: PINS M: MCX; MM: MMCX N: N; NB: N-Bulkhead T: TNC; TB: TNC-Bulkhead	COLOR: -1: GLOSS WHITE #17925 PER FED-STD-595B -2: LUSTERLESS GRAY #36320 PER FED-STD-595B -3: OLIVE DRAB GREEN #34031 PER FED-STD-595B -4: LUSTERLESS BLACK #37038 PER FED-STD-595B
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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: 2G16LL-P-MS-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ANTCOM CORP. TORRANCE CALIFORNIA	
FRACTIONS: ± 1/64	DECIMALS: ± 0.005	ANGLES: ± 1°	DRAWN
TOLERANCE 5/16 PER ANSI Y14.5		CHECKED	
REMOVE ALL BURRS		ENGINEER	
FILLET IN INTERNAL EDGES AND TO .015		APPROVED S. HUYNH DEC-13-02	
SCREW THREADS PER UNF		DATE FILED	
MACHINED SURFACES		SCALE 1/1	
DO NOT SCALE DRAWING		SHEET 1 OF 1	

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