



FAA Approved Facility

GSM-Band Antenna

P/N: 2G0.81-0.96RR-P-XTBC-1 Rev A With Better Gain (0.81-0.96 GHz, RHCP)

P/N: 2G0.81-0.96LL-P-XTBC-1 Rev A Better Gain (0.81-0.96 GHz, LHCP)

2.6" Diameter Configurations, Back Mounting Option

Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

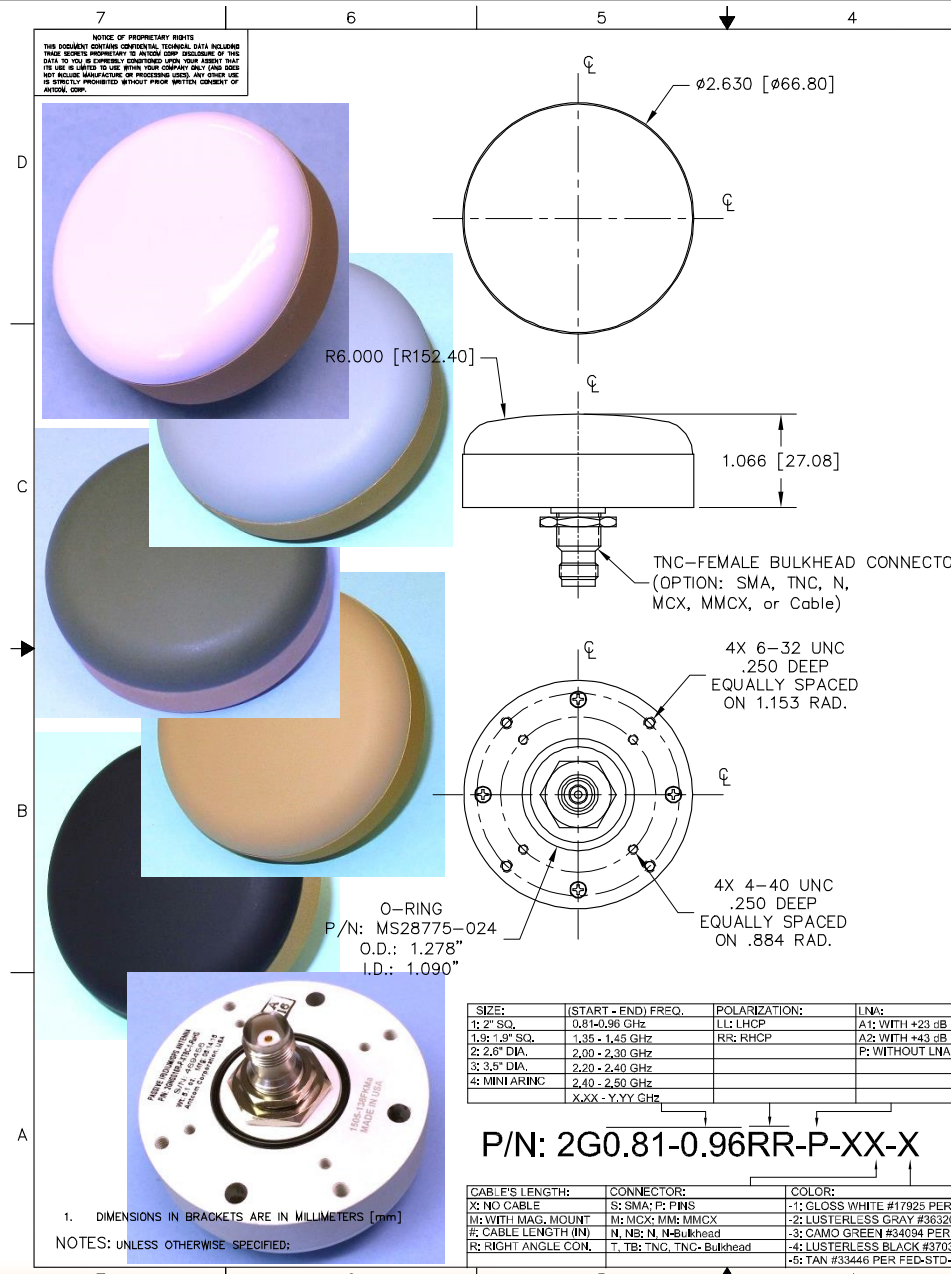


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Other Frequencies, Antenna Sizes, Connectors/Locations, and Mounting Configurations are Available

NMO Connector is Now Available for Some Antennas

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ELECTRICAL:

RADIATION PATTERN:		HEMISPHERICAL	
POLARIZATION:		RHCP or LHCP	
VSWR:		< 1.5:1	
GAIN (dB):		4 ft G.P.	Free Space
@ 90° (Zenith):	+4.6	+6.1	
@ 10° Elevation (Ave):	-1.1	-2.4	
@ 20° Elevation (Ave):	+2.2	-0.3	
@ 30° Elevation (Ave):	+2.2	+1.0	
@ 45° Elevation (Ave):	+3.4	+2.9	
@ 70° Elevation (Ave):	+4.4	+5.3	
Beam Width (3dB):		110 °	88 °
AXIAL RATIO @ Zenith:		2.0 dB	
IMPEDANCE:		50 Ohms	
POWER HANDLING:		200 Watt	
DC GROUNDING:		YES (LIGHTNING PROTECTION)	

MECHANICAL:

SIZE: DIAMETER = 2.63 in. [66.80 mm]
HEIGHT = 1.066 in. [27.08 mm]

WEIGHT: 6.49 oz. (184 Kg)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
BASE IRIDITE PER MIL-C-5441F

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-FEMALE BULKHEAD
(OPTION: SMA, TNC, N, N Bulkhead, MCX, MMCX, or Cable)

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

SIZE:	(START - END) FREQ.	POLARIZATION:	LNA:
1: 2" SQ.	0.81-0.96 GHz	LL: LHCP	A1: WITH +23 dB LNA
1.8: 1.9" SQ.	1.35 - 1.45 GHz	RR: RHCP	A2: WITH +43 dB LNA
2: 2.6" DIA.	2.00 - 2.30 GHz		P: WITHOUT LNA
3: 3.5" DIA.	2.20 - 2.40 GHz		
4: MINI ARINC	2.40 - 2.50 GHz		
	X,XX - Y,YY GHz		

P/N: 2G0.81-0.96RR-P-XX-X

CABLE'S LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
N: CABLE LENGTH (IN)	N, NB: N, N-Bulkhead	-3: CAMO GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T, TB: TNC, TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
		-5: TAN #33446 PER FED-STD-595B

QUANTITY REQD	DESCRIPTION	PART NO	MATERIAL	REV
4	MOUNTING SCREWS: 4-40, 3/4"	MS24693-C		3
4	MOUNTING SCREWS: 6-32, 3/4"	MS24693-C274		2
1	O-RING	MS28775-024		1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES ± 1/64 .002 .005 ± .1°

TOLERANCE SYM PER ANSI Y14.5 FINISH ALL SURFACES BREAK EXTERNAL EDGES .005 TO .015 PER MIL-STD-1913 1/8" DIA. SCREW HEADS PER MIL-C-8879 DIA'S ON A COLUMN & 2X .005 MACHINED SURFACES 12V

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE CALIFORNIA

2.6" Dia. FLAT FIXED MOUNT GSM ANTENNA

DATE: 3CVE1 DRAWN BY: S. HUYNH CHECKED BY: S. HUYNH

SCALE: 1/1 SHEET: 1 OF 1

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED: