



ISO 9001:2008/FAA Approved

(0.81-0.96) GHz Antennas, P/N: 2G0.81-0.96RR-P-XTBC-1 (RHCP); P/N: 2G 0.81-0.96 LL-P-XTBC-1 (LHCP) **GSM 800**
 (1.25-1.35) GHz Antennas, P/N: 2G1.25-1.35RR-P-XTBC-1 (RHCP); P/N: 2G1.25-1.35LL-P-XTBC-1 (LHCP)
 (1.35-1.45) GHz Antennas, P/N: 2G1.35-1.45RR-P-XTBC-1 (RHCP); P/N: 2G1.35-1.45LL-P-XTBC-1 (LHCP)
 (1.70-1.90) GHz Antennas, P/N: 2G1.70-1.90RR-P-XTBC-1 (RHCP); P/N: 2G1.70-1.90LL-P-XTBC-1 (LHCP) **GSM 1800**
 (1.90-2.20) GHz Antennas, P/N: 2G1.90-2.20RR-P-XTBC-1 (RHCP); P/N: 2G1.90-2.20LL-P-XTBC-1 (LHCP) **UMTS 2100**
 (2.00-2.30) GHz Antennas, P/N: 2G2.00-2.30RR-P-XTBC-1 (RHCP); P/N: 2G2.00-2.30LL-P-XTBC-1 (LHCP)
 (2.20-2.40) GHz Antennas, P/N: 2G2.20-2.40RR-P-XTBC-1 (RHCP); P/N: 2G2.20-2.40LL-P-XTBC-1 (LHCP)
 (2.40-2.50) GHz Antennas, P/N: 2G2.40-2.50RR-P-XTBC-1 (RHCP); P/N: 2G2.40-2.50LL-P-XTBC-1 (LHCP)
 (2.56-2.69) GHz Antennas, P/N: 2G2.56-2.69RR-P-XSC-2 (RHCP); P/N: 2G2.56-2.69LL-P-XSC-2 (LHCP)



ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501, USA . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . http://www.antcom.com

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

NMO Connector Option is Now Available for Some Antennas

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SPECIFICATIONS

ELECTRICAL:

RADIATION PATTERN:		HEMISPHERICAL
POLARIZATION:		RHCP or RHCP
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 = 0.722 in.[18.34 mm]

WEIGHT: 5.15 oz. (146 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

ZONE	REV	DESCRIPTION	DATE	APPROVED

P/N: 2GX.XX-Y.YYRR-P-XTBC-1

SIZE:	(START - END) FREQ:	POLARIZATION:	LNA:	FILTER:
1: 2" SQ.	1.25 - 1.35 GHz	LL LHCP	A1: WITH +23 dB LNA	
1.9: 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			

QUANTITY REQD	DESCRIPTION	PARTS LIST	MATERIAL	FINISH	ITEM NO.
4	MOUNTING SCREWS: 4-40, 3/4"	MS24693-C	-	-	3
4	MOUNTING SCREWS: 6-32, 3/4"	MS24693-C	-	-	2
1	O-RING	MS28775-024	-	-	1

CABLE 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
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 #37038 PER FED-STD-595B
		-5: TAN #33446 PER FED-STD-595B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS: DECIMALS: ANGLES: ± 1/64 .XXX .005 ± 1° TOLERANCE .5MM PER ANSI Y14.5 REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 SCREEN THE ADS PER MIL-S-8879 EN'S ON A COMMON & 27.000 MACHINED SURFACES 12.5 DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA
 2.6" Dia. FLAT FIXED MOUNT L/S/WIFI ANTENNA
 ORIGINAL DRAWN: S. HUYNH Sep-15-03
 ORIGINAL DESIGNED: S. HUYNH Sep-15-03
 UPDATED: S. HUYNH Feb-01-13
 UPDATE DRAWN: P. TRAN Feb-01-13
 APPROVED: S. HUYNH Feb-01-13

SCALE 1/1 SHEET 1 OF 1