



FAA Approved Facility

(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)  
 (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)  
 (1.75-2.30) GHz Antennas, P/N: 2G1.80-2.25RR-P-XTBC-1 (RHCP); P/N: 2G1.80-2.25LL-P-XTBC-1 (LHCP)



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Top View: Diameter  $\varnothing 2.630$  [66.80]

Side View: Height  $.722$  [18.34]

Front View: Mounting holes  $4 \times .190-32$  UNC,  $4 \times 4-40$  UNC

**REVISIONS**

ZONE	REV	DESCRIPTION	DATE	APPROVED

**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

SIZE:	(START - END) FREQ:	POLARIZATION:	LNA:	FILTER:
1: 2" SQ.	1.25 - 1.35 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: 2GX.XX-Y.YYRR-P-XTBC-1**

2. MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

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
#: 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 TO DECIMALS ANGLES

$\pm 1/64$   $\pm .010$   $\pm 1'$

$\pm .005$   $\pm .005$   $\pm 1'$

TOLERANCE S/W PER ANSI Y14.5

REMOVE ALL BURRS

BREAK EXTERNAL EDGES .005 TO .015

FINISH TO .005 TO .015

SOFTEN THE EDGES PER MIL-S-8879

EN'S OR A COMMON 6.27-000

MACHINED SURFACES 12.5

DO NOT SCALE DRAWING

**ANTCOM CORP.** TORRANCE, CALIFORNIA

2.6" Dia. FLAT FIXED MOUNT  
 L/S/WIFI ANTENNA

ORIGINALLY DESIGNED: S. HUYNH  
 Sep-15-03

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 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

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