



ISO 9001:2008/FAA Approved

(0.81-0.96) GHz Antennas, P/N: 3G0.81-0.96RR-P-XS-1 (RHCP); P/N: 3G 0.81-0.96 LL-P-XS-1 (LHCP)  
 (1.25-1.35) GHz Antennas, P/N: 3G1.25-1.35RR-P-XS-1 (RHCP); P/N: 3G1.25-1.35LL-P-XS-1 (LHCP)  
 (1.35-1.45) GHz Antennas, P/N: 3G1.35-1.45RR-P-XS-1 (RHCP); P/N: 3G1.35-1.45LL-P-XS-1 (LHCP)  
 (1.70-1.90) GHz Antennas, P/N: 3G1.70-1.90RR-P-XS-1 (RHCP); P/N: 3G1.70-1.90LL-P-XS-1 (LHCP)  
 (1.90-2.20) GHz Antennas, P/N: 3G1.90-2.20RR-P-XS-1 (RHCP); P/N: 3G1.90-2.20LL-P-XS-1 (LHCP)  
 (2.00-2.30) GHz Antennas, P/N: 3G2.00-2.30RR-P-XS-1 (RHCP); P/N: 3G2.00-2.30LL-P-XS-1 (LHCP)  
 (2.20-2.40) GHz Antennas, P/N: 3G2.20-2.40RR-P-XS-1 (RHCP); P/N: 3G2.20-2.40LL-P-XS-1 (LHCP)  
 (2.40-2.50) GHz Antennas, P/N: 3G2.40-2.50RR-P-XS-1 (RHCP); P/N: 3G2.40-2.50LL-P-XS-1 (LHCP)  
 (2.56-2.69) GHz Antennas, P/N: 3G2.56-2.69RR-P-XS-1 (RHCP); P/N: 3G2.56-2.69LL-P-XS-1 (LHCP)

GSM 800  
GSM 1800  
UMTS 2100



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

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REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

**SPECIFICATIONS**

**ELECTRICAL:**

RADIATION PATTERN:	HEMISPHERICAL
POLARIZATION:	RHCP or LHCP
VSWR:	< 1.5:1
GAIN (dB):	4 ft G.P.
@ 90° Zenith:	+4.6
@ 10° Elevation (Ave):	-1.1
@ 20° Elevation (Ave):	+2.2
@ 30° Elevation (Ave):	+2.2
@ 45° Elevation (Ave):	+3.4
@ 70° Elevation (Ave):	+4.4
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 = 3.53 in. [ 89.66 mm]  
 HEIGHT = 0.830 in. [21.08 mm]

WEIGHT: 8.5 oz. (241 g)

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: SMA FEMALE  
 (OPTION: TNC, TNC Bulkhead, 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, DO-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	
1.5: 1.8" 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 APRNC	2.40 - 2.50 GHz			
	X:XX - Y:YY GHz			

P/N: 3GX.XX-Y.YYRR-P-XS-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
#: CABLE LENGTH (IN)	N, NB: N, N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON. T: TNC; TNC-Bulkhead	L: L: LUSTERLESS BLACK #37038 PER FED-STD-595B	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
	-S: TAN #33446 PER FED-STD-595B	

2: MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. FRACTIONS ARE TO 32nds UNLESS OTHERWISE SPECIFIED. TOLERANCE .010 PER ANGLE. BREAK EXTERNAL EDGES. BREAK SURFACES TO .005. WASHED SURFACE.

ANTCOM CORP. Torrance, CA 90501

FLAT FIXED MOUNT W/RFI ANTENNA

MS24693C274  
 2-031/N756-75  
 PART NO MATERIAL FINISH  
 QUANTITY REQD PARTS LIST

DO NOT SCALE DRAWING

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas