



FAA Approved Facility

(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)
 (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)
 (1.75-2.30) GHz Antennas, P/N: 3G1.80-2.25RR-P-XS-1 (RHCP); P/N: 3G1.80-2.25LL-P-XS-1 (LHCP)
 Other Frequencies, Antenna Sizes, Connectors/Locations, and Mounting Configurations are Available



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C
B
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2. MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION
 1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

Ø3.500 [Ø88.90]
 1.900 [48.26] SQ.
 4X Ø.201 [Ø5.11] THRU
 Ø.385 [Ø9.78] X 100°
 R6.000 [R152.40]
 .722 [18.34]
 .255 [6.48]
 O-RING P/N: 2-031/N756-75
 .148 [3.77]
 23.84"
 4X .190-32 UNC
 .250 DEEP
 (FOR EXTRA MOUNTING OPTION)
 1.945 [49.39] SQ.

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

SPECIFICATIONS

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 = 3.50 in. [88.90 mm]
 HEIGHT = 0.722 in. [18.34 mm]

WEIGHT: 5.15 oz. (.146 Kg)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
 BASE IRIDITE PER MIL-C-541F

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	
1.9: 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			

P/N: 3GX.XX-Y.YYRR-P-XS-1

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
#: 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
 .005 .010 .015 .020 .030 .040 .050
 ± 1/64 .005 .005 .005 .005 .005 .005

TOLERANCE SW PER ANTI-CORROSION
 BREAK EXTERNAL ENDS
 P. 105 TO 106
 SOLDER THREADS PER
 DIA'S ON A COMB
 WASHED SURFACE

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SCALE 1/1 SHEET 1 OF 1

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