



FAA Approved Facility

(2.4-2.5) GHz LHCP Antennas, P/N: 3G24LL-P-XS-1-2feed
 (2.4-2.5) GHz RHCP Antennas, P/N: 3G24RR-P-XS-1-2feed
 3.5" Diameter Configurations with Front/Back Mounting Option

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



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P/N: 3G24RR-P-XS-1-2FEED

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(2400 - 2500) MHz
RADIATION PATTERN:	HEMISPHERICAL
POLARIZATION:	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 = 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-5441

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-145208A, MIL-STD-810, AND SAE J1455

SIZE	FREQ. BAND	POLARIZATION	LNA	FILTER
1: 2" SQ	1625 Tx/Rx	LL: TX: LHCP, RX: LHCP	A1: WITH +23 dB LNA	
1.9: 1.9" SQ	25: 2493 MHz	LR: TX: LHCP, RX: RHCP	A2: WITH +43 dB LNA	
2: 2.6" DIA.	16: 1616 MHz	RL: TX: RHCP, RX: LHCP	P: WITHOUT LNA	
3: 3.5" DIA.	24, or 802.11 (2.4-2.5) GHz	RR: TX: RHCP, RX: RHCP		
4: MINI ARING				

QUANTITY	RECD	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
		MOUNTING SCREWS: 10-32, 3/4"	MS24693C274			3
		O-RING	2-031/N756-75			2
						1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES ± 1/64 .001 ± .005 ± .1°

TOLERANCE S/M PER ANSI Y14.5

REMOVE ALL BURRS BREAK ALL SHARP EDGES .005 TO .010 SOLDER SURFACES PER MIL-8879 DAYS ON A CONFORM TO 2000 WASHED SURFACES

DO NOT SCALE DRAWING

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

ANTCOM CORP. TORRANCE CALIFORNIA
3.5" Dia. FLAT FIXED MOUNT GSM/WIFI ANTENNA
REV D 3CVE1 3G24RR-P-XS-1-2FEED
SCALE 1/1 SHEET 1 OF 1

2. MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

NMO Connector is Now Available for Some Antennas