

$\phi 3.500$ [88.90]
 $.950$ [24.13]
 1.900 [48.26]
 $4 \times \phi .20$ [$\phi 5.11$]
 $\checkmark \phi .385$ [$\phi 9.78$] X 100°
 SPHERICAL R6.000 [R152.40]
 $.583$ [14.81]
 0.57 [14.53] (TNC), 0.72 [18.29] (N, N-Bulkhead)
 0.46 [11.68] (SMA), 0.83 [21.00] (TNC-Bulkhead)
 NAMEPLATE APPROXIMATE LOCATION
 $.143$ [3.63]
 TNC BULKHEAD CONNECTOR (OPTION: TNC, SMA, N, N Bulkhead, MCX, MMCX, or Cable)
 $.102$ [2.59]

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(2400 - 2500) MHz	SEE PART NO. BELOW
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 = 0.583 in. [14.81 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: TNC BULKHEAD CONNECTOR (OPTION: TNC, SMA, 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-5441, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
10-32	MOUNTING SCREWS: 10-32, 3/4"	MS24693C274			5
	ADHESIVE GASKET	12345G-3M-3G			3
					1

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

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2. MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

SIZE:	FREQ. BAND:	POLARIZATION:	LNA:	FILTER:
1: 2" SQ.	1625: Tx/Rx	LL: TX: LHCP, RX: LHCP	A: WITH LNA	
1.5: 1.5" SQ.	25: 2493 MHz	LR: TX: LHCP, RX: RHCP		
2: 2.8" DIA.	18: 1616 MHz	RL: TX: RHCP, RX: LHCP	P: WITHOUT LNA	
3: 3.5" DIA.	24: 2450 MHz	RR: TX: RHCP, RX: RHCP		
4: MINI ARINC	23: 2338 MHz			

P/N: 3G24RR-P-XTB-X

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: N (Optional Bulkhead)	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T: TNC (Optional Bulkhead)	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 FRACTIONS DECIMALS ANGLES
 $\pm 1/64$ $\pm .015$ $\pm 1^\circ$
 TOLERANCES ARE:
 DIMENSIONS PER ANSI Y14.5
 REMOVE ALL BURRS
 BREAK EXTERNAL EDGES .005 TO .015
 CHAMFER .005 TO .010
 SAEY FINISHES PER MIL-S-8879
 20% & 40% DIMENSIONS PER MIL-STD-153
 MACHINED SURFACES 125

ANTCOM CORP. TORRANCE, CALIFORNIA
 3.5" Dia. 802.11b ANTENNA
 3G24RR-P-XTB-X
 SCALE 1/1