



# (4.4-6.0) GHz, C-Band Antenna, P/N: 97384ASSY40297-90012-1

## 1" Tall Rod Configuration



ISO 9001:2008/FAA Approved Facility

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

ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501, USA . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: [antennas@antcom.com](mailto:antennas@antcom.com) . <http://www.antcom.com>

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3x $\phi$ .201 [ $\phi$ 5.11] Thru.  
 $\surd$   $\phi$ .385 [ $\phi$ 9.78] X 100°  
EQUAL SPACE ON 1.25" BC

1in Max  
.807 [20.50]  
FLAT

$\phi$ 1.750 [ $\phi$ 44.45]  
P1  
FEMALE TNC BULKHEAD CONNECTOR

1. O-RING AND MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

**SPECIFICATIONS**

**ELECTRICAL:**

C-BAND

FREQUENCY: (4400-5850) MHz  
PATTERN: OMNIDIRECTIONAL  
POLARIZATION: VERTICAL  
ANTENNA GAIN: 3.5 dB  
BEAM WIDTH: 1/4 WAVE MONOPOLE  
VSWR: 2.0:1  
OUTPUT IMPEDANCE: 50  $\Omega$   
POWER HANDLING: >50 watts

**MECHANICAL:**

SIZE: DIAMETER: TOP= 0.500 in [12.70 mm], BOTTOM= 1.75 in [44.45 mm]  
HEIGHT: 1.00 in. [25.40 mm]

WEIGHT: <1.1 oz. (31g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL  
BASE IRIDITE PER MIL-C-5441

COLOR: LUSTERLESS GRAY #36320 PER FED-STD-595B  
GLOSS WHITE #17925 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  
THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE

CONNECTOR: BULKHEAD FEMALE TNC (P1)  
(SMA, N, AND OTHERS ARE OPTIONAL)

**ENVIRONMENTAL:**

TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]  
ALTITUDE: 70,000 ft.  
VIBRATION: >10 G's  
LEAKAGE: HERMETICALLY SEAL

**FEDERAL & MILITARY SPECIFICATIONS:**

**DESIGN TO:** DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810E

1	O-RING	MS28775-024	-	-	-	1
	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO

QUANTITY REQD

PARTS LIST

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS TOLERANCES ARE DECIMALS ANGLES <math>\pm</math> 1/64 .XXX<math>\pm</math> .005 <math>\pm</math> 1°</p> <p>TOLERANCE SYM PER ANSI Y14.5 REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILLETS R .005 TO R .030 SCREW THREADS PER MIL-S-8879 DIA'S ON A COMMON <math>\pm</math> .0005 MACHINED SURFACES <math>\frac{125}{\sqrt{}}</math></p> <p>DO NOT SCALE DRAWING</p>	<p><b>ANTCOM CORP.</b> TORRANCE, CALIFORNIA</p> <p style="text-align: center;">OUTLINE DRAWING: C-BAND OMNI ANTENNA</p> <p>APPROVED S. HUYNH Oct-12-01</p> <p>SIZE: CASE NO: DRAWING NO: REV D 3CVE1 97384ASSY40297-90012-1 -</p> <p>SCALE 1/1 SHEET 1 OF 1</p>
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