



ISO 9001:2008/FAA Approved Facility

(1.332-1.540) GHz, L-Band Antenna,  
P/N: 5B1315V-P-XT-1, 4.6" Tall Blade Configuration



FAA Approved  
TSO Antennas

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1.24 [31.60]

4.77 [121.16]

43 [10.80]

0.57" [14.53] (TNC),  
0.72" [18.29] (N, N-Bulkhead)  
0.46" [11.68] (SMA),  
0.63" [16.00] (TNC-Bulkhead)

5.25 [133.35]

DATE STAMP APPROXIMATE LOCATION AS SHOWN

1.75 [44.45]

0.98 [24.89]

4X Ø.20 [Ø5.11]  $\Delta$   
✓ Ø.385 [Ø9.78] X 100°  
FARSIDE

O-RING GROOVE  
MS28775-024

1.80 [45.72]

3.60 [91.44]

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1. MOUNTING HOLE PATTERN COMPLIES WITH BOEING L-BAND AIRBORNE ANTENNAS

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

3. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

### SPECIFICATIONS

**ELECTRICAL:**

FREQUENCY: (1332-1540) 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: WIDTH 1.75 in. [44.45 mm], LENGTH 5.25 in. [133.35 mm], HEIGHT 4.77 in. [121.16 mm]  
 WEIGHT: 9.6 oz. (0.27 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  
 THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE  
 CONNECTOR: TNC FEMALE  
 (Option: N, SMA, TNC/N-BulkHead, or Cables)

**ENVIRONMENTAL:**

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

**FEDERAL & MILITARY SPECIFICATIONS:**

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

REV	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	QTY
4	SCREW, MOUNTING	MS24893C273	-	-	-	2
1	O-RING	MS28775-024	-	-	-	1

REV	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	QTY
-1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	QTY

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 FRACTIONS DECIMALS ANGLES  
 $\pm 1/64$  .005 .010 .005 .005  $\pm 1^\circ$

ANTCOM ANTCOM CORP. TORRANCE CALIFORNIA  
 (1332-1540) MHz  
 L-BAND VIDEO/DATA LINK ANTENNA

APPROVED: S. HUYNH 00-03-01  
 DATE: 00-03-01

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas