



# Dual UHF & LS-Band Antenna

(700-800) MHz / (1700-2200) MHz: P/N: 9B-700-800-LS-XTT-1

(452-468) MHz / (700-2600) MHz: P/N: 9B-452-468-700-2600-XTT-1-BB



ISO 9001:2008/FAA Approved Facility Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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10.850 [275.59]  
3.229 [82.01]  
9.125 [231.78]  
1.125 [3.18]  
2.230 [56.64]  
1.750 [44.45]  
1.375 [34.93]  
2.125 [53.98]  
3.625 [92.08]  
2.500 [63.50]  
1.312 [33.32]  
2.781 [70.64]

6x $\phi$ .201 [ $\phi$ 5.11]  
 $\surd$ 4.385 [ $\phi$ 9.78] x 100°

TNC FEMALE CONNECTOR  
(Option: SMA, N, or BNC)

### SPECIFICATIONS

**ELECTRICAL:**

UHF & L/S-Band

FREQUENCY: (700-800) MHz and (1700-2200) MHz (Also See P/N Below)

PATTERN: OMNIDIRECTIONAL

POLARIZATION: VERTICAL

ANTENNA GAIN: (On >4ft. Ground Plane)  
> 3 dBi

RADIATION PATTERN: OMNI-DIRECTIONAL

VSWR: < 2.0:1

OUTPUT IMPEDANCE: 50 ohms

POWER HANDLING: 100 watts

LIGHTNING PROTECTION: DC GROUNDED

**MECHANICAL:**

SIZE: WIDTH 3.229 in. [82 mm], LENGTH 10.850 in. [276 mm], HEIGHT 9.125 in. [232 mm]

WEIGHT: 19.58 oz. (554g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE (RIDITE 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  
COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDANT

CONNECTOR: TNC FEMALE (OPTION: SMA, N, or BNC)

**ENVIRONMENTAL:**

TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]

ALTITUDE: 70,000 ft.

VIBRATION: 14 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

ZONE	REV	DESCRIPTION	DATE	APPROVED

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	TEMP
6	SCREW, MOUNTING	M524693C273	-	-	-	2

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS SHALL BE IN 16ths DECIMALS SHALL BE TO 0.005 ANGLES SHALL BE TO 1° UNLESS OTHERWISE SPECIFIED TOLERANCE SHALL BE PER ANSI Y14.5 BREAK EXTERNAL EDGES 0.005 TO 0.010 BREAK INTERNAL EDGES 0.005 TO 0.010 SCREW THREADS PER MIL-STD-8839 PARTS OF A COMMON 6, 27 AND 28 MACHINED SURFACES Y

ANTCOM CORP. TORRANCE CALIFORNIA

(700-800) MHz & (1700-2200) MHz

UHF/L/S-Band BLADE ANTENNA

DESIGNED BY: Sean Huynh

ENGINEER: Sean Huynh

APPROVED: Sean Huynh

DATE: July-30-12

DRAWING NO: 3CVE1

SCALE: 1/1

SHEET 1 OF 1

**TABLES:**

SPE.	START FREQ. (MHz)	STOP FREQ. (MHz)	OTHER BANDS
1:2" SQ.	118, 225, 310, 350	310, 350, 370, 400	L/S-Band
1.5: 1.9" SQ.	310, 400, 425, 450	410, 425, 450, 470	S/C-Band
2:2.9" DIA.	470, 500, 820, 990	500, 530, 820, 990	C/C-Band
3: 3.5" DIA.	1400, 1500, 1600,	1400, 1650, 1650,	LS: (1700-2200)MHz
4: MIN. AIRING	1700, 1800, 1900,	1750, 1850, 1900,	SC: S/C-Band
5: BNC Base, SS: Rod	2400	2500	

CABLE LENGTH:	CONNECTORS	COLORS
X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MMCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
R: CABLE LENGTH (IN)	T: TNC; B: BNC	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T: TNC; TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

P/N: 9B-700-800-LS-XTT-1

2. MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

NMO Connector Option is Now Available for Some Antennas