



(136-174) / (764-870) MHz VHF/UHF Blade Antenna: P/N: 9B-136-174-764-870-XTT-2  
 (452-468) / (700-2600) MHz VHF/UHF Blade Antenna: P/N: 9B-452-468-700-2600-XTT-1  
 9" Tall Blade Configuration, Other Frequencies, Connectors and Color Options are Available



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>

**NOTICE OF PROPRIETARY RIGHTS**  
 THIS DOCUMENT CONTAINS CONFIDENTIAL, TRADE SECRET, AND/OR PROPRIETARY INFORMATION. THE DISCLOSURE OF THIS INFORMATION TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF ANTCOM CORPORATION IS STRICTLY PROHIBITED.

**SPECIFICATIONS**

ZONE	REVISIONS		
	REV	DESCRIPTION	DATE

**ELECTRICAL:**

	J1	J2
FREQUENCY (MHz):	(136-174)	(764-870)
PATTERN:	OMNIDIRECTIONAL	
POLARIZATION:	VERTICAL	
ANTENNA GAIN : 4ft GP	0 dB	4 dB
VSWR:	2.6:1	2.0:1
OUTPUT IMPEDANCE:	50 Ω	
POWER HANDLING:	>50 watts	
LIGHTNING PROTECTION:	DC GROUNDING	

**MECHANICAL:**

SIZE: WIDTH 2.06 in. [52.4 mm], LENGTH 5.25 in. [133.3 mm], HEIGHT 9.05 in. [230 mm]  
 WEIGHT: 9.0 oz. (255 g)  
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441F  
 COLOR: LUSTERLESS GRAY #36320 PER FED-STD-595B  
 GLOSS WHITE #17925 PER FED-STD-595B  
 CAMO GREEN #34094 PER FED-STD-595B  
 LUSTERLESS BLACK #37038 PER FED-STD-595B  
 DESERT TAN #33446 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:** TSO C-166A, DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810

QUANTITY	DESCRIPTION	PART NO	FINISH	UNIT
1	O-RING	MS24693C273		2
4	SCREW, MOUNTING	MS28775-024		1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES TOLERANCES PER AS9145 REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 SMOOTH TO R .005 SLEEK TO R .005 DATE ON A CONFORM 11-23-05 MACHINED SURFACES

DO NOT SCALE DRAWING

**MECHANICAL DIMENSIONS:**

5.250 [133.35] (Total Length)  
 2.062 [52.37] (Width)  
 R1.031 [R26.19] (Radius)  
 4X Ø.201 [Ø5.11] THRU Ø.385 [Ø9.78] X 100' FOR #10-32 SCREWS  
 9.055 [230.00] (Height)  
 3.600 [91.44] (Mounting Hole Spacing)  
 2X .740 [18.80] (Mounting Hole Diameter)  
 (2X) O-RING P/N: MS28775-024 O.D.: 1.278 / I.D.: 1.090  
 TNC FEMALE CONNECTOR

**PHOTOGRAPHS:**

**REVISIONS:**

REV	DESCRIPTION	DATE

**P/N: 9B-136-174-764-870-XTT-2**

START FREQ. (GHz)	STOP FREQ. (GHz)	OTHER BAND:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
136 .225 .310 .350	310 .350 .370 .400	L: L-Band	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
370 .400 .425 .450	410 .425 .450 .470	S: S-Band	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
470 .764 .820 .990	1,500 .532 .870 .990	C: C-Band	#: CABLE LENGTH (IN)	N: NIN-Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
1.30 1.50 1.60 1.70	1.40 1.55 1.65 1.74	LS: (1700-2200)MHz	R: RIGHT ANGLE CON.	T, TB: TNC, TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
1.80 1.99 2.20 2.40	1.85 2.50 2.40 5.00	SC: S/C-Band			-5: DESERT TAN #33446 PER FED-STD-595B

NMO Connector Option is Now Available for Some Antennas