



(225-400)/(118-137) MHz VHF/UHF Antenna

P/N: 9B-225-400-118-137-XTB-1-DMC119

Other Frequency Bands, Color and Connector Options are Also Available



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

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REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
A		ISOLATION 40dB	01/26/17	S.H

SPECIFICATIONS

FREQUENCY (MHz):	UHF (225-400)	VHF (118-137)
PATTERN:	OMNIDIRECTIONAL	
POLARIZATION:	VERTICAL	
ANTENNA GAIN : 4ft GP	(-1 to +4) dBi	(-2 to +4) dBi
VSWR:	2.3:1	
OUTPUT IMPEDANCE:	50 Ω	
ISOLATION:	40 dB	40 dB
POWER HANDLING:	50 watts (Higher Version is Available)	
LIGHTNING PROTECTION:	DC GROUNDING	

ELECTRICAL:

MECHANICAL:

SIZE: WIDTH 2.062 in. [52.37 mm], LENGTH 5.250 in. [133.35 mm], HEIGHT 9.825 in. [249.56 mm]

WEIGHT: 13.5 oz. (326 g)

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

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDANT

CONNECTOR: UHF: TNC FEMALE; VHF: BNC FEMALE (OPTION: SMA, TNC, 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:

TSO-C169A/C144, DO-160D, D0-228, MIL-C-5541F, MIL-STD-461E/F, MIL-E-5400, MIL-I-45208A, MIL-STD-810, MIL-S-901D, MIL-STD-167-1A, SAE J1455

DESIGN TO:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS SHALL BE IN 164 UNLESS OTHERWISE SPECIFIED

TOLERANCE SW PER ANSI Y14.6 UNLESS OTHERWISE SPECIFIED

ANGLE ± 1° UNLESS OTHERWISE SPECIFIED

SIZE SHALL BE TO THE SIZE SHOWN UNLESS OTHERWISE SPECIFIED

FINISH SHALL BE TO THE FINISH SHOWN UNLESS OTHERWISE SPECIFIED

DO NOT SCALE DRAWING

BLADE ANTENNA ADAPTING PLATE

P/N: 9B-225-400-118-137-XTB-1-DMC119

BNC FEMALE CONNECTOR
TNC FEMALE CONNECTOR

QUANTITY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
4	SCREW, MOUNTING	MS28775-024				2
-1						

START FREQ. (GHz)	STOP FREQ. (GHz)	OTHER BAND:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
118, 225, 310, 350	310, 350, 370, 400	L: I-Band	X: NO CABLE	S: SMA	-1: GLOSS WHITE #17925 PER FED-STD-595B
1370, 400, 425, 450	410, 425, 450, 470	S: S-Band	M: WITH MAG. MOUNT	B: BNC	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
1470, 500, 520, 590	500, 552, 620, 660	C: C-Band	R: CABLE LENGTH (IN)	N: N, NB: N-Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
1,30, 1.50, 1.60, 1.70	1.22, 1.55, 1.65, 1.75	LS: (1700-2200)MHz	T: TNC, TB: TNC- Bulkhead		-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
1.80, 1.98, 2.20, 2.40	1.85, 1.98, 2.50	SC: S/C-Band	R: RIGHT ANGLE CON.		-5: TAN #33446 PER FED-STD-595B

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS SHALL BE IN 164 UNLESS OTHERWISE SPECIFIED</p> <p>TOLERANCE SW PER ANSI Y14.6 UNLESS OTHERWISE SPECIFIED</p> <p>ANGLE ± 1° UNLESS OTHERWISE SPECIFIED</p> <p>SIZE SHALL BE TO THE SIZE SHOWN UNLESS OTHERWISE SPECIFIED</p> <p>FINISH SHALL BE TO THE FINISH SHOWN UNLESS OTHERWISE SPECIFIED</p> <p>DO NOT SCALE DRAWING</p>		<p>ANTCOM CORP. TORRANCE, CALIFORNIA</p> <p>(225-400)/(118-137) MHz BLADE ANTENNA</p>
<p>ORIGINAL DRAWN: S. HUYNH Nov-22-16</p> <p>ORIGINAL DESIGNED: S. HUYNH Nov-22-16</p> <p>UPDATED: S. HUYNH Jan-26-17</p> <p>UPDATE DRAWN: F. TRAN Jan-26-17</p> <p>APPROVED: S. HUYNH Jan-26-17</p>	<p>SIZE: D 3CVE1</p> <p>SCALE: 1/1</p>	<p>DATE: 01/26/17</p> <p>DRAWING NO: 9B-225-400-118-137-XTB-1-DMC119</p> <p>SHEET 1 OF 1</p>