(700-800) MHz UHF Dipole Antenna
P/N: 9B-700-750-XT-1-AV-DP-SS78
9.250" Tall Blade Configuration, -1: White, -2: Grey, -4: Black
Other Frequencies, Connectors and Colors are Available

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

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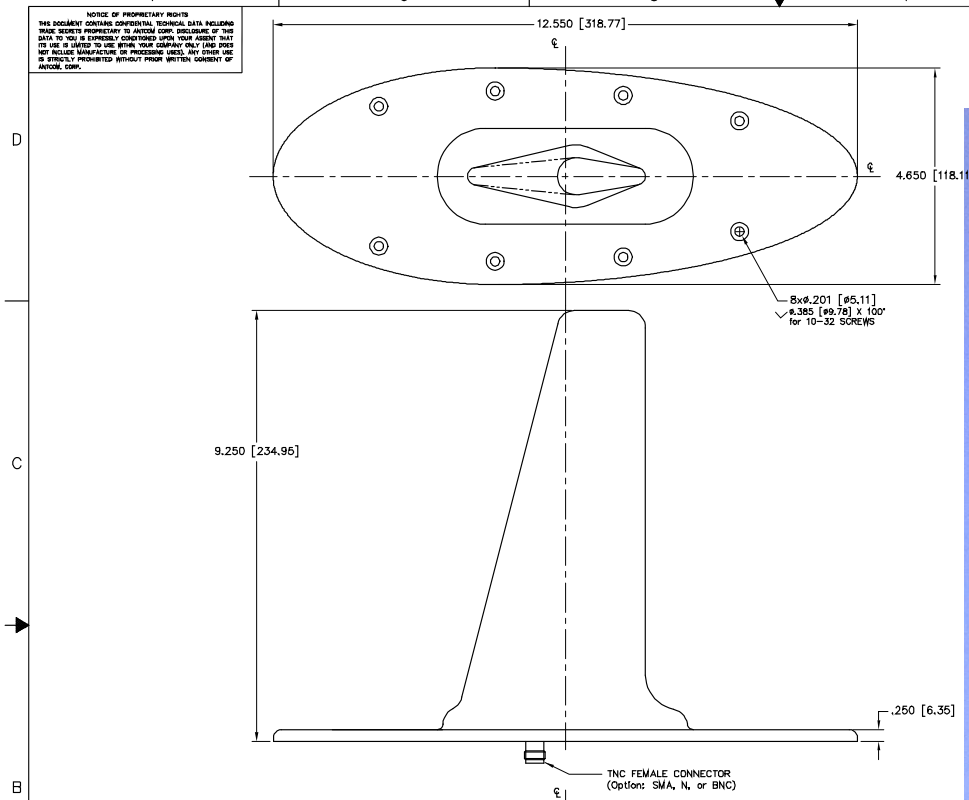

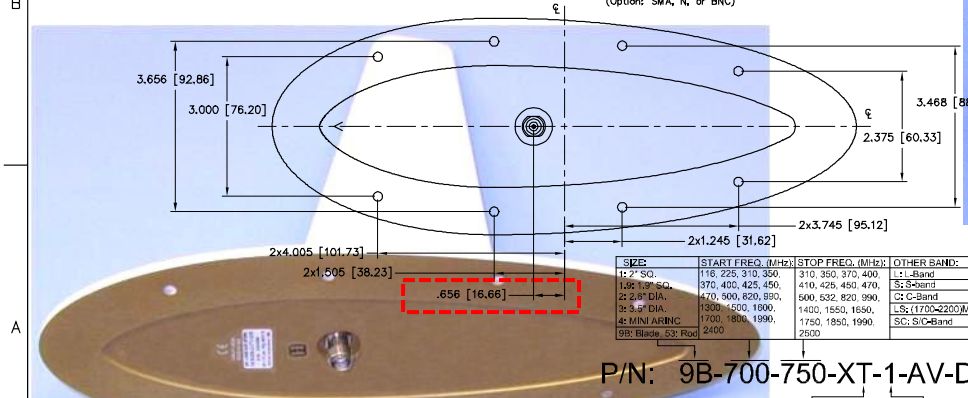

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

ELECTRICAL:

	UHF
FREQUENCY:	(700-750) MHz (Also See P/N Below)
PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL
ANTENNA GAIN:	(On >4ft. Ground Plane) > 3 dBil
RADIATION PATTERN:	OMNI-DIRECTIONAL
VSWR:	< 2.0:1
OUTPUT IMPEDANCE:	50 ohms
POWER HANDLING:	100 watts
LIGHTNING PROTECTION:	DC GROUNDED

MECHANICAL:

SIZE:	WIDTH 4.650 In. [118 mm], LENGTH 12.550In. [318 mm], HEIGHT 9.250 in. [235 mm]
WEIGHT:	24 oz. (680g)
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 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDAN
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

SIZE:	START FREQ. (MHz):	STOP FREQ. (MHz):	OTHER BAND:
1: 2" SQ.	116, 225, 310, 350, 370, 400, 425, 450, 470, 500, 820, 990, 1300, 1500, 1600, 1700, 1850, 1990, 2400	310, 350, 370, 400, 410, 425, 450, 470, 500, 532, 820, 990, 1400, 1550, 1650, 1750, 1850, 1990, 2500	L: L-Band S: S-band C: C-Band LS: (1700-2200)MHz SC: S/C-Band
1.9: 1.9" SQ.			
2: 2.5" DIA.			
3: 3.5" DIA.			
4: MINI ARINC			
9B: Blade .53" Rod			

P/N: 9B-700-750-XT-1-AV-DP-SS78

CABLE'S LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
#: CABLE LENGTH (IN)	N: N/N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T, TB: TNC, TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

ITEM NO	QUANTITY NEED	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH
6		SCREW, MOUNTING	MS24693C273	–	–	–
2						
–1		PARTS LIST				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE: FRACTIONS ± 1/64, DECIMALS .XXX ±.010, .XXXX ±.005, ANGLES ± 1°
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 ℄ ø.005
MACHINED SURFACES 125
DO NOT SCALE DRAWING

ORIGINALLY DRAWN	S. HUYNH	July-28-12
ORIGINALLY DESIGNED	S. HUYNH	July-28-12
UPDATED	S. HUYNH	Nov-21-14
UPDATE DRAWN	P. TRAN	Nov-21-14
APPROVED	S. HUYNH	Nov-21-14

ANTCOM CORP. TORRANCE CALIFORNIA

(700-750) MHz
UHF BLADE ANTENNA

SIZE	CAGE NO	DRAWING NO	REV
D	3CVE1	9B-700-750-XT-1-AV-DP-SS78	

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas