UHF + L-Band Antenna
P/N: 6B-225-450-L-12NT-2-1DBUHF
6” Tall Blade Configuration

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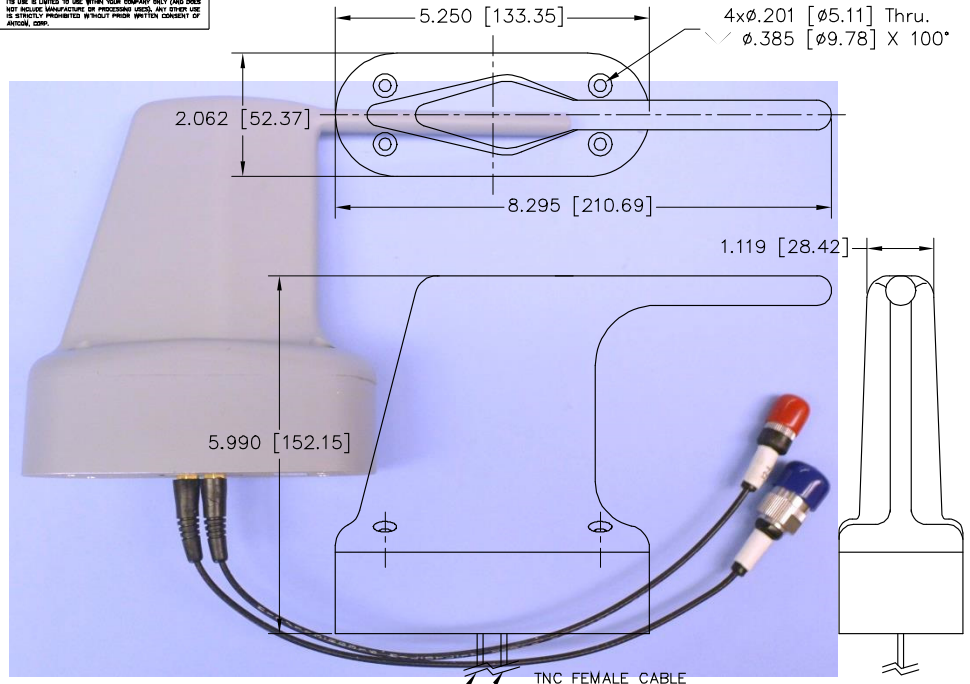

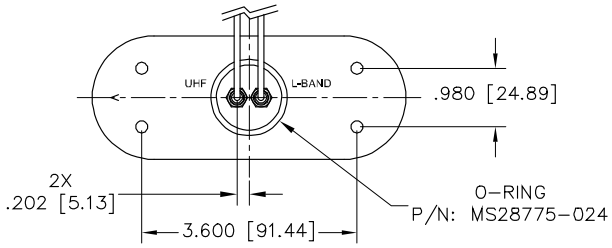

SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

	J1 - UHF	J2 - L-BAND
FREQUENCY (MHz):	(225-450) MHz	(1610-2000)
RADIATION PATTERN:	OMNIDIRECTIONAL	
POLARIZATION:	VERTICAL	
ANTENNA GAIN:	-1 dBil	2 dB
VSWR:	< 3:1, < 2.6:1 @ > 400MHz	2.0:1
OUTPUT IMPEDANCE:	50 Ω	50 Ω
POWER HANDLING:	200 watts	>50 watts

MECHANICAL:

SIZE:	WIDTH 2.06 in. [52 mm], LENGTH 5.25 in. [133 mm], HEIGHT 5.99 in. [152.15 mm]
WEIGHT:	15 oz. (425g)
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 CAMO GREEN #34094 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:	UHF: N FEMALE CABLE L-BAND: TNC FEMALE CABLE (OPTION: TNC, TNC Bulkhead, SMA, MCX, MMCX, or Cable)

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: TSO-C129A/C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

P/N: 6B-225-450-L-12NT-2-1DBUHF

CABLE'S LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
#: CABLE LENGTH (IN)	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
	N: N/N-Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
	T, TB: TNC, TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
		-5: DESERT TAN #33446 PER FED-STD-595B

NOTES: UNLESS OTHERWISE SPECIFIED:

ITEM NO	QUANTITY REQD	DESCRIPTION	PART NO	MATERIAL	FINISH
		PARTS LIST			
4	4	SCREW, MOUNTING	MS24693-C286, ITEM 579G	–	–
1	1	O-RING	MS28775-024, ITEM 553	–	–

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE: FRACTIONS ± 1/64, DECIMALS .XX ± .015, .XXX ± .005, ANGLES ± 1°
TOLERANCE SYM PER ANSI Y14.5
REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 CHAMFER .000 X 45.000 SCREW THREADS PER MIL-S-8879
DIA'S ON A COMMON Ø .005
MACHINED SURFACES 125/
DO NOT SCALE DRAWING

ORIGINALLY DRAWN	S. HUYNH	Aug-17-09
ORIGINALLY DESIGNED	S. HUYNH	Aug-17-09
UPDATED	S. HUYNH	April-21-15
UPDATE DRAWN	P. TRAN	April-21-15
APPROVED	S. HUYNH	April-21-15

ANTCOM CORP. TORRANCE CALIFORNIA

UHF + L-BAND
BLADE ANTENNA

SIZE	CAGE NO	DRAWING NO	REV
D	3CVE1	6B-225-450-L-12NT-2-1DBUHF	

SCALE 1/1 SHEET 1 OF 1