(225-500) MHz UHF Antenna, P/N: 5BE-225-500-XN-2-C130ADP Rev A

4.6” Tall Blade Configuration

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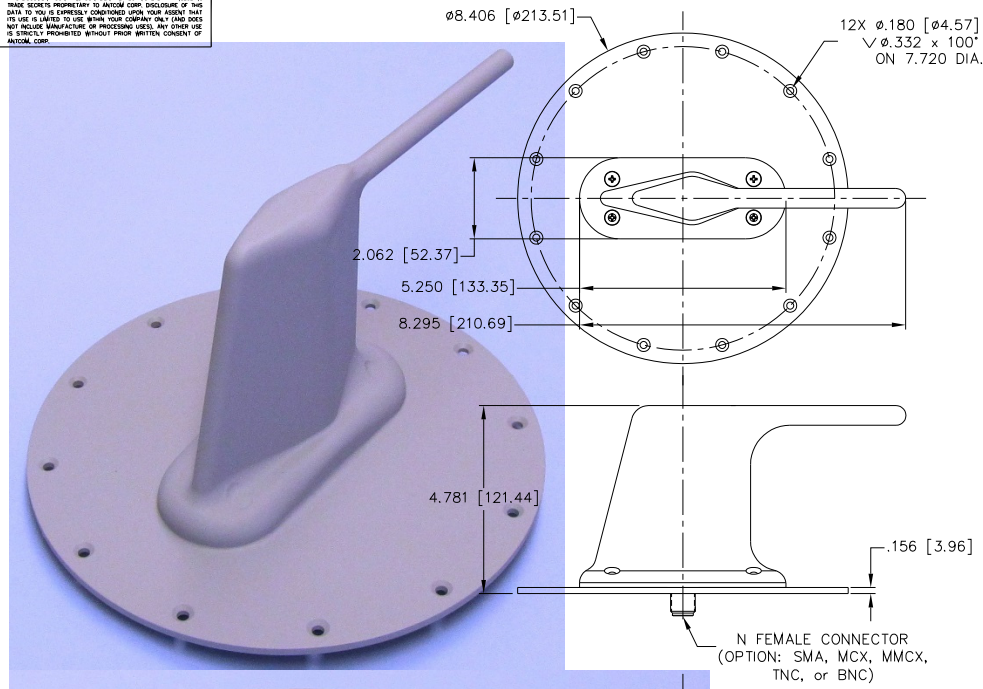
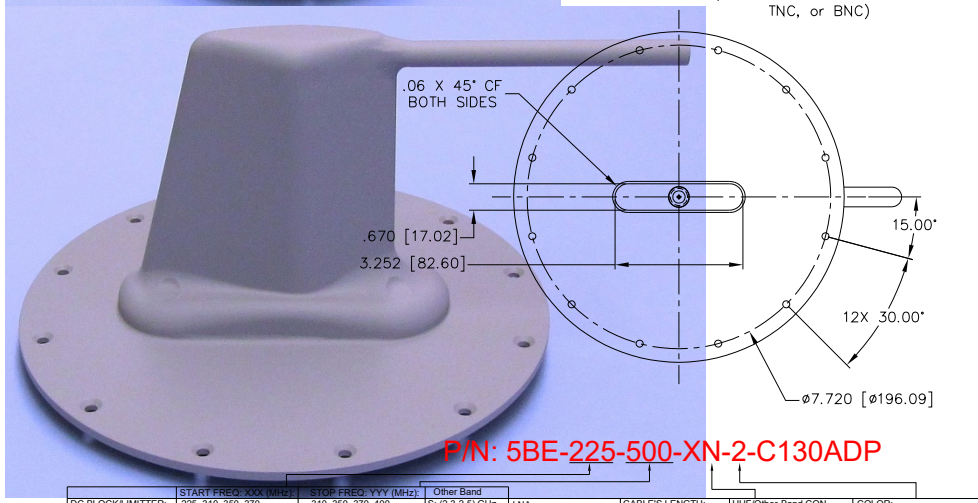
REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED





P/N: 5BE-225-500-XN-2-C130ADP

	START FREQ: XXX (MHz):	STOP FREQ: YYY (MHz):	Other Band			
DC BLOCK/LIMITTER:	225, 310, 350, 370,	310, 350, 370, 400,	S: (2.3-2.5) GHz	LNA:	CABLE'S LENGTH:	UHF/Other-Band CON.	COLOR:
DL: WITH DC BLOCK	400, 425, 450, 470,	410, 425, 450, 470,	C: (4.4-5.85) GHz	A1: WITH +23 dB LNA	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
& WITH LIMITTER	500, 820, 990, 1300	500, 820, 990, 1400	L: (1.7-2.0) GHz	A2: WITH +43 dB LNA	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
BLANK: WITHOUT DC	1500, 1600, 1700	1550, 1650, 1750	1215: L1/L2 GPS	P: WITHOUT LNA	#: CABLE LENGTH (IN)	N: N/N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
BLOCK NOR LIMITTER	1800, 1990, 2400	1850, 1990, 2500	15: L1 GPS		R: RIGHT ANGLE CON.	T, TB: TNC, TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

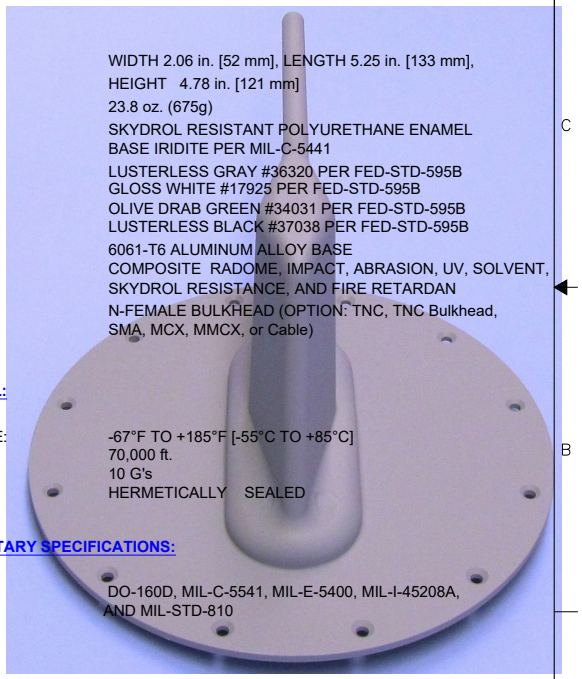
SPECIFICATIONS

ELECTRICAL:

	UHF
FREQUENCY:	(225-500) MHz (Also SEE PART NUMBER BELOW)
PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL
ANTENNA GAIN:	> -5 dBil
RADIATION PATTERN:	Omni-Directional
VSWR:	< 3:1
OUTPUT IMPEDANCE:	50 Ω
POWER HANDLING:	100 watts

MECHANICAL:

SIZE:	WIDTH 2.06 in. [52 mm], LENGTH 5.25 in. [133 mm], HEIGHT 4.78 in. [121 mm]
WEIGHT:	23.8 oz. (675g)
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:	N-FEMALE BULKHEAD (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: DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810

–	–	–	–	2
1	–	–	–	1
	DESCRIPTION	PART NO	FINISH	ITEM NO
QUANTITY REQD	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 ⌀ ±.005
MACHINED SURFACES 125
DO NOT SCALE DRAWING

ORIGINALLY DRAWN	S. HUYNH	April-10-10
ORIGINALLY DESIGNED	S. HUYNH	April-10-10
UPDATED	S. HUYNH	April-08-13
UPDATE DRAWN	P. TRAN	April-08-13
APPROVED	S. HUYNH	April-08-13

ANTCOM CORP. TORRANCE CALIFORNIA

(225-450) MHz

UHF BLADE ANTENNA

SIZE D | CAGE NO 3CVE1 | DRAWING NO 5BE-225-500-XN-2-C130ADP | REV A

SCALE 1/1 | SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas