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

4.6” Tall Blade Configuration

FAA Approved
TSO Antennas

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

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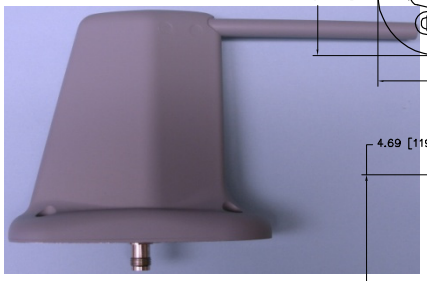
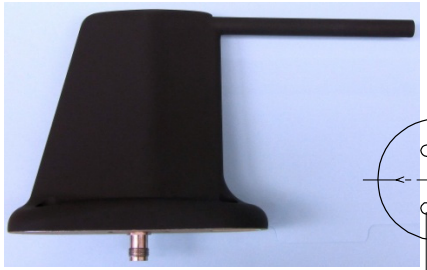
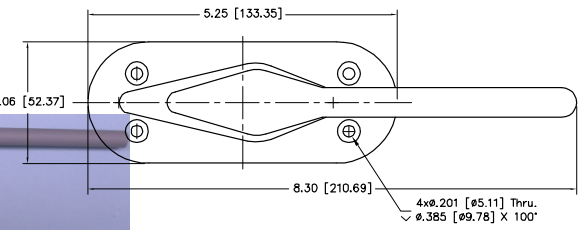
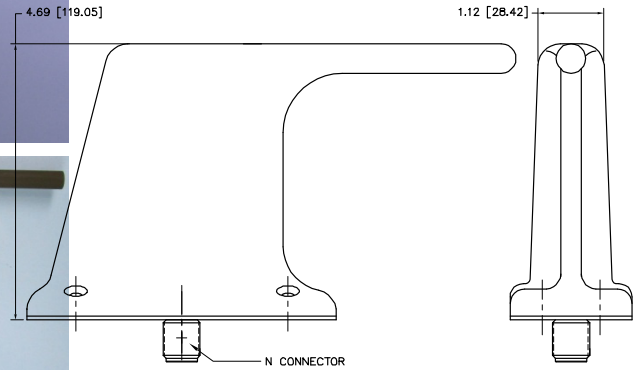
REVISIONS

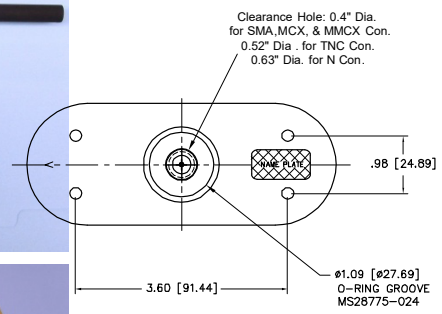
ZONE	REV	DESCRIPTION	DATE	APPROVED











SPECIFICATIONS

ELECTRICAL:

	UHF
FREQUENCY:	(225-500) MHz (Also SEE PART NUMBER BELOW)
PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL
ANTENNA GAIN:	> -5 dBil, > -2dBil @ > 400MHz
RADIATION PATTERN:	Omni-Directional
VSWR:	< 3:1, < 2.6:1 @ > 400MHz
OUTPUT IMPEDANCE:	50 ohms
POWER HANDLING:	200 watts

MECHANICAL:

SIZE:	WIDTH 2.06 in. [52 mm], LENGTH 5.25 in. [133 mm], HEIGHT 4.69 in. [119 mm]
WEIGHT:	11 oz. (312g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAME L 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

SIZE	START FREQ.(MHz):	STOP FREQ.(MHz):	DC BLOCK/LIMITTER	LNA:
1: 2" SQ.	225, 310, 350, 370,	310, 350, 370, 400,	DL: WITH DC BLOCK	A1: WITH +23 dB LNA
1.9: 1.9" SQ.	400, 425, 450, 470,	410, 425, 450, 470,	& WITH LIMITTER	A2: WITH +43 dB LNA
2: 2.6" DIA.	500, 820, 990, 1300	500, 820, 990, 1400	BLANK: WITHOUT DC	P: WITHOUT LNA
3: 3.5" DIA.	1500, 1600, 1700	1550, 1650, 1750	BLOCK NOR LIMITTER	
4: MINI ARINC	1800, 1990, 2400	1850, 1990, 2500		
5B: Blade, 53: Rod	XXX	YYY		

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

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

ITEM NO	QUANTITY REQ'D	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH
4	2	SCREW, MOUNTING	MS24693C273	–	–	–
1	1	O-RING	MS28775-024	–	–	–
–1		PARTS LIST				

3. MOUNTING HOLE PATTERN COMPLIES WITH BOEING L-BAND AIRBORNE ANTENNAS
2. O-RING AND MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ± 1/64, DECIMALS .XXX ±.015, .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 ⌀ .004 .005
MACHINED SURFACES 125
DO NOT SCALE DRAWING

DRAWN
CHECKED
ENGINEER
APPROVED S. HUYNH Aug-17-09

ANTCOM CORP. TORRANCE CALIFORNIA
(225-500) MHz
UHF BLADE ANTENNA
(Compatible to Boeing Foot Print)
SIZE D | CAGE NO 3CVE1 | DRAWING NO 5BE-225-500-XN-X | REV
SCALE 1/1 | SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas

http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts1.pdf (Amplifiers, Power Divider/Combiner, Filters, Diplexer)