



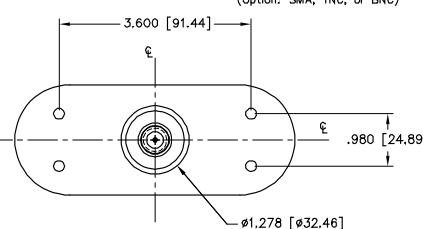
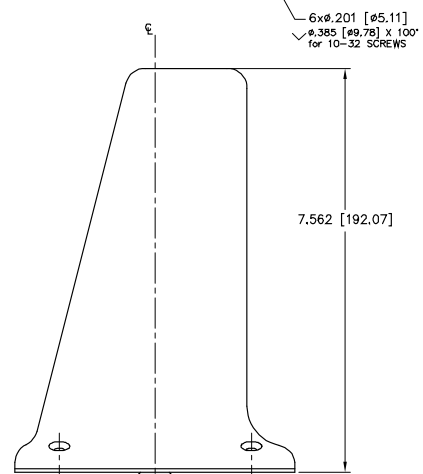
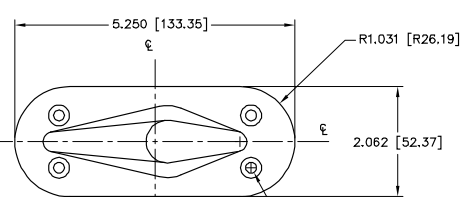
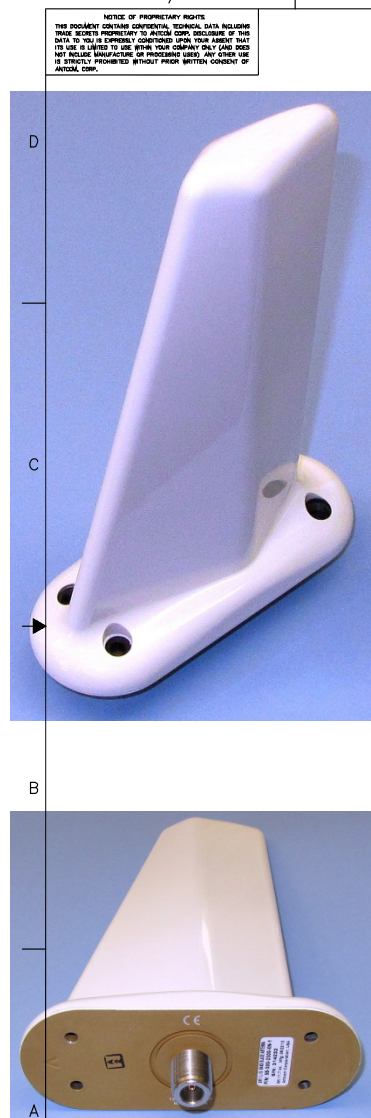
ISO 9001:2008/FAA Approved Facility

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

**(300-2300) MHz UHF/L/S-Band Antenna,**  
**P/N: 7B-300-2300-XN-1 (Also Known as P/N: 5B-300-2300-XN-1)**  
**7.562" Tall Blade Configuration, -1 White, -2 Grey, -4 Black**



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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

**SPECIFICATIONS**

**ELECTRICAL:**

UHF/L/S-Band  
 FREQUENCY: (300-2300) MHz (Also See Part Number Below)  
 PATTERN: OMNIDIRECTIONAL  
 POLARIZATION: VERTICAL  
 ANTENNA GAIN: (On 4ft. Ground Plane)  
 > 3dBI

VSWR: < 2.0:1  
 OUTPUT IMPEDANCE: 50 ohms  
 POWER HANDLING: 100 watts  
 LIGHTNING PROTECTION: DC GROUNDED

**MECHANICAL:**

SIZE: WIDTH = 2.062 in. [52 mm], LENGTH = 5.250 in. [133 mm], HEIGHT = 7.562 in. [192 mm]  
 WEIGHT: 11.5 oz. (326g)  
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5541F Type I Class 1A  
 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 RETARDANT  
 CONNECTOR: N 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:**

**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/LIMITER	LN
2B: 1.982in	115, 225, 310, 350	310, 350, 370, 400	DL WITH DC BLOCK	LN
3B: 3.082in	310, 400, 425, 450	410, 425, 450, 470	& WITH LIMITER	LN WITH +23 dB LNA
4B: 4.687in	470, 500, 820, 990	500, 525, 820, 990	BLANK WITHOUT DC BLOCK NOR LIMITER	LN WITH +13 dB LNA
5B: 4.687in	1300, 1500, 1600	1400, 1550, 1650		P: WITHOUT LNA
7B: 7.562in	1700, 1850, 1990	1750, 1850, 1990		
8B: 5.062in	300, 2400	2300, 2300		

**P/N: 7B-300-2300-XN-1**

CABLE'S LENGTH:	CONNECTOR:	COLOR:
K: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MMCX; MME; MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
R: CABLE LENGTH	T: TNC; TNC-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CONN.	T: TNC; TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

- 2. MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION
  - 1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
- NOTES: UNLESS OTHERWISE SPECIFIED:

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REF
4	SCREW, MOUNTING	MS24693C273	-	-	-	2
1	O-RING	MS28775-024	-	-	-	1

PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	<b>ANTCOM CORP.</b> TORRANCE, CALIFORNIA (300-2300) MHz UHF/L/S-Band <b>BLADE ANTENNA</b>
FRACTIONS SHALL BE IN SIMPLEST FORM	
TOLERANCE .5X PER ANSI Y14.5	
REMOVE ALL BURRS FROM EXTERNAL SURFACES PER MIL-STD-883C	

APPROVED	DATE	REV
Sean Huynh	July-31-12	D

SCALE	SHEET	OF
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