



(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



ISO 9001:2008/FAA Approved Facility **Antenna Mounts/Adapters:** <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501, USA . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

ELECTRICAL:

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

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

MECHANICAL:

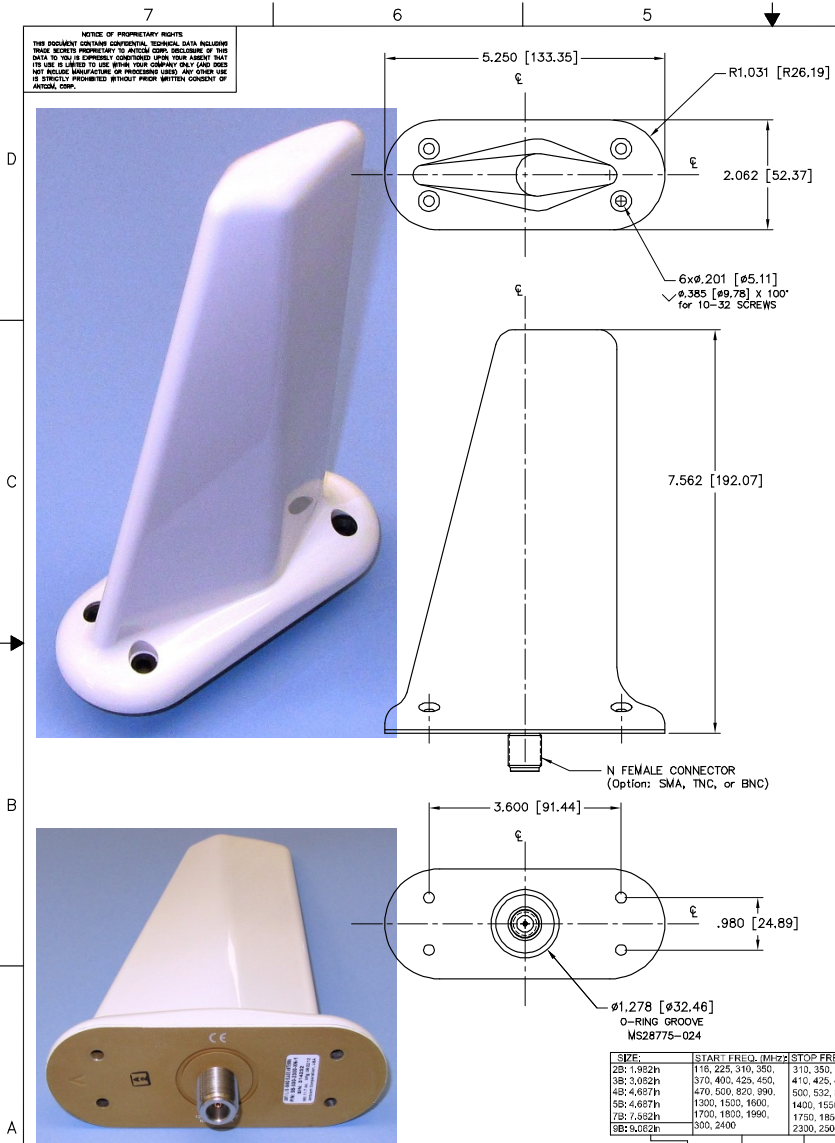
SIZE: WIDTH = 2.062 in. [52 mm], LENGTH = 5.250 in. [133 mm],
 HEIGHT = 7.562 in. [192 mm]
 WEIGHT: 11.5 oz. (326g)
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
 BASE IRIDITE PER MIL-C-5541F Type I Class 1A
 COLOR: LUSTERLESS GRAY #36320 PER FED-STD-595B
 GLOSS WHITE #17925 PER FED-STD-595B
 OLIVE 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 RETARDAN
 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



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

SIZE	START FREQ. (MHz)	STOP FREQ. (MHz)	DC BLOCK/LIMITER	LNA
2B: 1.982h	118, 225, 310, 350,	310, 350, 370, 450,	DL WITH DC BLOCK	L1 WITH +23 dB LNA
3B: 2.052h	370, 400, 425, 450,	410, 425, 450, 470,	& WITH LIMITER	L2 WITH +13 dB LNA
4B: 4.687h	470, 500, 820, 990,	500, 532, 820, 990,	BLANK/WITHOUT DC	P/WITHOUT LNA
5B: 4.687h	1300, 1500, 1660,	1400, 1550, 1660,	BLOCK NOR LIMITER	
7B: 7.562h	1700, 1850, 1990,	1750, 1850, 1990,		
8B: 5.052h	300, 2400	2300, 2300		

- 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	UOM
4	SCREW, MOUNTING	MS24693C273	-	-	-	2
1	O-RING	MS28775-024	-	-	-	1

PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	ANTCOM CORP. TORRANCE CALIFORNIA (300-2300) MHz UHF/L/S-Band BLADE ANTENNA
FRACTIONS SHALL BE IN 16ths ANGLES SHALL BE 1/64 ± 1/64 DECIMALS SHALL BE ± .005 MACHINED SURFACES UNLESS OTHERWISE SPECIFIED	
TOLERANCE SIM PER ANSI Y14.5	DRAWN: _____ DESIGNED: _____ ENGINEER: _____ APPROVED: Sean Huynh July-31-12
REMOVE ALL BURRS	SHEET NO: D 3CVE1 SCALE: 1/1 SHEET 1 OF 1

CABLE LENGTH:	CONNECTOR:	COLOR:
K: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MMCX; MMX; MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
R: CABLE LENGTH	T: TNC; B: 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

NMO Connector Option is Now Available for Some Antennas