



High Gain Blade Antennas,

P/N: 9B-2.20-2.50XT-1-6dB (2.20-2.50 GHz, 6dB Gain)
 P/N: 9B-0.82-0.96XT-1-5dB (0.82-0.96 GHz, 5db Gain)
 9.0" 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>

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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

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2. MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

SIZE:	START FREQ. (GHz)	STOP FREQ. (GHz)	OTHER BAND:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
1: 2" SQ	119, 225, 310, 350	310, 350, 370, 400	L: L-Band	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
1.9: 1.9" SQ	370, 490, 425, 450	410, 425, 450, 470	S: S-Band	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
2: 2" DIA.	470, 500, 820, 990	500, 532, 820, 990	C: C-Band	#: CABLE LENGTH (IN)	N: NIN-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
3: 3.5" DIA.	1,30, 1,50, 1,60, 1,70	1,40, 1,55, 1,65, 1,75	LS: (1700-2200)MHz	R: RIGHT ANGLE CON.	T, TB: TNC, TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
4: MINI ARINC	1,80, 1,99, 2,20, 2,40	1,85, 1,99, 2,50	SC: S/C-Band			

SPECIFICATIONS

ELECTRICAL:

FREQUENCY: S-Band (2.2-2.5) GHz
 PATTERN: OMNIDIRECTIONAL
 POLARIZATION: VERTICAL
 ANTENNA GAIN: 6 dBil
 RADIATION PATTERN: OMNI-DIRECTIONAL
 VSWR: < 2.0:1
 OUTPUT IMPEDANCE: 50 ohms
 POWER HANDLING: 100 watts
 LIGHTNING PROTECTION: DC GROUNDED

MECHANICAL:

SIZE: WIDTH 2.06 in. [52.4 mm], LENGTH 5.25 in. [133.3 mm], HEIGHT 9.05 in. [230 mm]
 WEIGHT: 11.5 oz. (326 g)
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441F
 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, 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:

DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810

DESIGN TO:

DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1			
2			
3			
4			

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRACTIONS: DECIMALS: ANGLES: ± 1/64 ± .005 ± 1°

REMOVE ALL BURRS FROM EXTERIOR EDGES .005 TO .015 DIA'S ON A COMMON & .005 DIA'S ON A COMMON & .005 MACHINED SURFACES ONLY

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA

(2.2-2.5) GHz
S-BAND BLADE ANTENNA

DATE: 3/21/13
 DRAWN BY: S. HUYNH
 CHECKED BY: P. TRAN
 APPROVED BY: S. HUYNH

SCALE: 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas