



ISO 9001:2008/FAA Approved Facility

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



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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.	1.16, 2.25, 3.10, 3.50, 3.10, 3.50, 3.70, 4.00		L: L-Band	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
1.5" 1.5" SQ.	1.16, 2.25, 3.10, 3.50, 3.10, 3.50, 3.70, 4.00		L: L-Band	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
2: 2.6" DIA.	3.70, 4.00, 4.25, 4.50, 4.10, 4.25, 4.50, 4.70		S: S-band	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
3: 3.5" DIA.	4.70, 5.00, 5.20, 5.50, 5.00, 5.32, 5.20, 5.90		C: C-Band	#: CABLE LENGTH (IN)	N: N/N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
4: MINI ARINC	1.30, 1.50, 1.60, 1.70, 1.40, 1.65, 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
9B: Blade, 53: Rod	1.80, 1.99, 2.20, 2.40	1.85, 1.99, 2.50	SC: S/C-Band			

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

ELECTRICAL:

FREQUENCY: S-Band (2.2-2.5) GHz
 PATTERN: OMNIDIRECTIONAL
 POLARIZATION: VERTICAL
 ANTENNA GAIN: 6 dBi
 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:

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

Dimensions:
 5.250 [133.35] (Length)
 2.062 [52.37] (Width)
 9.055 [230.00] (Height)
 3.600 [91.44] (Mounting Hole Spacing)
 0.980 [24.89] (Mounting Hole Diameter)
 4X 0.201 [05.11] THRU 0.385 [09.78] X 100' FOR #10-32 SCREWS
 R1.031 [R26.19] (Radius)
 N FEMALE CONNECTOR
 O-RING P/N: MS28775-024

P/N: 9B-2.2-2.5XT-1-6dB

1 O-RING MS24693C273

4 SCREW, MOUNTING MS28775-024

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRACTIONS TO BE DECIMALS ARE: ANGLES ± 1/64 ± .015 ± .005 ± 1'

TOLERANCE SHM PER ANSI Y14.5

REMOVE ALL BURRS

DRIVE INTERNAL THREADS TO 100% OF DEPTH

SOB'S CHECKS PER MIL-STD-883C

DATE ON A COMMON 0.25" GAGE

MACHINED SURFACES

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE CALIFORNIA

(2.2-2.5) GHz
 S-BAND BLADE ANTENNA

DATE: D 30VE1
 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas