



ISO 9001:2008/FAA Approved Facility

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

# (2.0-2.5) GHz S-Band Omni High Gain Antenna, P/N: 8B-2.0-2.5V-O-XN-1, 9" Tall Blade Configuration



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**SPECIFICATIONS**

**ELECTRICAL:**

FREQUENCY:	(2.000 - 2.500) GHz
RADIATION PATTERN:	OMNI
POLARIZATION:	VERTICAL
VSWR:	< 2.0:1
GAIN (dB):	5 dBil
Elevation Beam Width (3dB):	30 °
Azimuth Beam Width (3dB):	360 °
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt
DC GROUNDING:	YES (LIGHTNING PROTECTION)

**MECHANICAL:**

SIZE: WIDTH: 1.75 in. [44.45 mm], LENGTH: 5.25 in. [133.35 mm], HEIGHT: 4.63 in. [117 mm] (Base), 8.7 in [221mm] (Top)

WEIGHT: 10.0 oz. (284g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL TOP, BASE IRIDITE PER MIL-C-5441

COLOR: GLOSS WHITE #17925 PER FED-STD-595B, LUSTERLESS GRAY #36320 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 AND SKYDROL RESISTANCE, FIRE RETARDANT

CONNECTOR: N TYPE CONNECTOR (OPTION: TNC, SMA, N Bulkhead, MCX, MMCX, or Cable)

MOUNTING: FIXED MOUNT: FROM TOP

**ENVIRONMENTAL:**

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]

ALTITUDE: 70,000 ft.

VIBRATION: > 20 G's

LEAKAGE: HERMETICALLY SEALED

**FEDERAL & MILITARY SPECIFICATIONS:**

**DESIGN TO:** FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ZONE	REV	DESCRIPTION	DATE	APPROVED
3		MOUNTING SCREWS: 10-32 100', Flat Head, 1/2"		MS24693C273
1		O-RING		MS28775-024

QUANTITY REQD	DESCRIPTION	PARTS LIST	PART NO	FINISH	TEST NO
3	MOUNTING SCREWS: 10-32 100', Flat Head, 1/2"		MS24693C273	-	5
1	O-RING		MS28775-024	-	1

**UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES**

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

REMOVE ALL SHARP BREAK EXTENSION EDGES .005 TO .016 (SEE NOTE 1) .005 TO .016 (SEE NOTE 2) .005 TO .016 (SEE NOTE 3) .005 TO .016 (SEE NOTE 4) .005 TO .016 (SEE NOTE 5) .005 TO .016 (SEE NOTE 6) .005 TO .016 (SEE NOTE 7) .005 TO .016 (SEE NOTE 8) .005 TO .016 (SEE NOTE 9) .005 TO .016 (SEE NOTE 10)

DO NOT SCALE DRAWING

**ANTCOM CORP.** TORRANCE, CALIFORNIA

S-BAND

5dB OMNI BLADE ANTENNA

APPROVED: S. HUYNH SEP-14-06

SCALE: 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas

P/N: 8B-2.0-2.5V-O-XN-1