



(4.8 -6.8) Ghz Fan Beam Blade Antenna, P/N: 5B-2.0-6.8V-F-XS-4
 4.6" Tall, for 802.11RF Ranging, and Video/Data link Applications



FAA Approved
TSO Antennas

ISO 9001:2008/FAA Approved Facility

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

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REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION	

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(4800 - 6800) MHz
RADIATION PATTERN:	FAN BEAM
POLARIZATION:	VERTICAL
VSWR:	< 2.0:1
GAIN (dB):	8 dB
Elevation Beam Width (3dB):	30 °
Azimuth Beam Width (3dB):	140 °
X-POL LEVEL:	-16 dB
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 4.77 in. [121.16 mm]
 WEIGHT: 8.0 oz. (.227 Kg)
 FINISH: SKYDR OL RESISTANT POLYURETHANE ENAMEL TOP, BLACK ANODIZED BASE
 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: SMA CONNECTOR (OPTION: TNC, SMA, N, N Bulkhead, MCX, MMCX, or Cable)
 MOUNTING: FIXED MOUNT: FROM TOP OR BOTTOM

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]
 ALTITUDE: 70,000 ft.
 VIBRATION: > 30 G's
 LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

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

P/N: 5B-2.5-6.8V-F-XS-4

3	MOUNTING SCREWS: 10-32 100 °, Flat Head, 1/2"	MS24693C273	-	5
1	O-RING	MS28775-024	-	1

QUANTITY REQD **PARTS LIST**

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</p> <p>FRACTIONS USE 16, 32, 64, 128, 256, 512, 1024</p> <p>± 1/64 DECIMALS ± 1"</p> <p>TOLERANCE 5 THRU AMS1913.6</p> <p>REMOVE ALL BURRS</p> <p>BREAK EXTERNAL EDGES TO .015</p> <p>FLATNESS & .002 TO .010</p> <p>ROUGHNESS PER FINISH: 32-100</p> <p>DATE ON A COUSIN & .0005</p> <p>MACHINED SURFACES</p> <p>DO NOT SCALE DRAWING</p>	<p style="text-align: center;">ANTCOM CORP. TORRANCE CALIFORNIA</p> <p style="text-align: center;">(4.8-6.8) GHz, C-BAND FAN BEAM BLADE ANTENNA</p> <p>OWNER: S. HUYNH APPROVED: FEB-11-04</p> <p>SCALE 1/1</p> <p style="text-align: right;">SHEET 1 OF 1</p>
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NMO Connector Option is Now Available for Some Antennas