



(4.8-5.1) GHz C-Band Fan Beam Antenna

P/N: 5B-4.8-5.1V-F-XT-2-OFFSET

4.6" Tall Blade Configuration, Other Frequencies, Connectors are Available



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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5.250 [133.35] 4X Ø.201 [Ø5.11] THRU
Ø.390 [Ø9.91] X 100°

1.750 [44.45]

4.625 [117.48]

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

.425 [10.80]

BEAM DIRECTION

Ø.740 [18.79]

Ø.980 [24.89]

3.600 [91.44] O-RING
P/N: 94115K024

7 6 5 4 3 2 1

SPECIFICATIONS

ZONE	REV	REVISIONS		
		DESCRIPTION	DATE	APPROVED

ELECTRICAL:

FREQUENCY:	(4.8-5.1) GHz
RADIATION PATTERN:	FAN BEAM
POLARIZATION:	VERTICAL
VSWR:	< 2.0:1
GAIN (dB):	8 dBil
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: 4.63in. [117 mm]
10.0 oz. (284g)

WEIGHT:

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

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT AND SKYDROL RESISTANCE, FIRE RETARDANT

CONNECTOR: TNC TYPE CONNECTOR
(OPTION: SMA, N, 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, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

QTY	DESCRIPTION	PART NO	FINISH	ITEM NO
4	10-32 FlatHead, 3/4" L	MS24693C274, ITEM 578		2
1	O-RING	94115K024, ITEM 553		1

QUANTITY REQD PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS TO BE USED ANGLES ± 1/64 30.0 0.05 ± 1°	ORIGINAL DRAWN S. HUYNH Sep-14-06	<p>ANTCOM CORP. TORRANCE, CALIFORNIA</p> <p>(4.8-5.1 GHz) C-BAND BLADE ANTENNA</p>
TOLERANCE SYM PER ANSI Y14.5	ORIGINAL DESIGNED S. HUYNH Sep-14-06	
RELIEF ALL SHARP BREAK EXTERNAL EDGES 0.005 TO .015	UPDATED S. HUYNH MAR-13-14	
FILES 0.005 TO 0.010 SCREW THREADS PER MIL-S-8879 DATE ON A COMBINATION OF MACHINED SURFACES 125	UPDATE DRAWN F. TRAM MAR-13-14	
DO NOT SCALE DRAWING	APPROVED S. HUYNH MAR-13-14	<p>REV D 3CVE1 5B-4.8-5.1V-F-XT-2-OFFSET</p> <p>SCALE 1/1 SHEET 1 OF 1</p>

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NMO Connector Option is Now Available for Some Antennas