



ISO 9001:2008/FAA Approved Facility

L/S/C-Band Fan Beam Blade Antenna
 P/N: 5B-1.60-1.80V-F-XT-2 (1.6-1.8) GHz
 P/N: 5B-4.8-6.8V-F-XT-4 (4.8-6.8) GHz

Other Frequencies. Connector and Color Options are Available

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



FAA Approved
TSO Antennas

ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501, USA . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

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4X Ø.201 [Ø5.11] THRU Ø.390 [Ø9.91] X 100"

1.750 [44.45]

4.625 [117.48]

.425 [10.80]

3.600 [91.44]

Ø.980 [24.89]

O-RING P/N: 94115K024

BEAM DIRECTION

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

SPECIFICATIONS

SPECIFICATIONS		REVISIONS		
ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

FREQUENCY:	(1.6 - 1.8) GHz	(4.8 - 6.8) GHz
RADIATION PATTERN:	FAN BEAM	
POLARIZATION:	VERTICAL	
VSWR:	< 2.0:1	
GAIN (dB):	(3 to 5) dBil	8 dBil
Elevation Beam Width (3dB):	(30 - 50)°	30 °
Azimuth Beam Width (3dB):	140 °	140 °
X-POL LEVEL:	-16 dB	-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: 4.625 in. [117 mm]

WEIGHT: 10.0 oz. (284g)

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

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

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

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: TSO-C169/A/C144, DO-160D, D0-228, MIL-C-5541F, MIL-STD-461E/F, MIL-E-5400, MIL-I-45208A, MIL-STD-810, MIL-S-901D, MIL-STD-167-1A, SAE J1455

REV	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 REQUIRED

REV	DESCRIPTION	PARTS LIST
4	10-32 FlatHead, 3/4" L	MS24693C274, ITEM 578
1	O-RING	94115K024, ITEM 553

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

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

TOLERANCE SURF PER ANSI Y14.5

REMOVE ALL BURRS

BREAK EXTERNAL EDGES .005 TO .015

FILED & .005 TO .010

SCREW THREADS PER MIL-C-8879

DATA ON A COMMON & .07 .005

MACHINED SURFACES

DO NOT SCALE DRAWING

DATE: 12/9/2016

SCALE: 1/1

SHEET 1 OF 1

P/N: 5B-1.60-1.80V-F-XT-2