



UHF Antenna

P/N: 3BE-UHF-XT-1F

3" Tall Blade Configuration



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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SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A		FAA TSO-C169a	09/17/15	S.H

5.250 [133.35] (Total length)

2.055 [52.19] (Blade height)

2xR1.031 [R26.19] (Blade radius)

4xø.201 [ø5.11] Thru. ø.385 [ø9.78] X 100" (Mounting holes)

1.238 [31.45] (Blade thickness)

3.062 [77.77] (Blade height)

Flightcell logo BOTH SIDES

TNC FEMALE CONNECTOR (Option: SMA, TNC, or N)

R1.031 [R26.19] (Blade radius)

3.600 [91.44] (Blade width)

ø.980 [24.89] (Connector hole diameter)

O-RING GROOVE

ELECTRICAL:

FREQUENCY (MHz):	UHF
RADIATION PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL
VSWR:	2:1
IMPEDANCE:	50 ohms
ANTENNA GAIN (dBi):	
@ 90° (ZENITH):	
@ 10° Elevation:	> 1.5 dB
@ 20° Elevation:	
@ 30° Elevation:	
@ 60 - 90° Elevation:	
BEAM WIDTH (3dB):	OMNIDIRECTIONAL
LIGHTNING PROTECTION:	DC GROUNDING

MECHANICAL:

SIZE: WIDTH 2.214 in. [56 mm], LENGTH 5.040 in. [128 mm], HEIGHT: 3.062 in. [77 mm]

WEIGHT: 5.3 oz. (150g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
BASE IRIDITE PER MIL-C-5541F

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: UHF: TNC-FEMALE
(OPTION: SMA, N, BNC, OR F)

MOUNTING: FLAT FIXED MOUNT; O-RING & 10-32 MOUNTING SCREWS ARE PROVIDED

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:

FAA TSO-C169a, DO-160D, D0-228, MIL-C-5541, MIL-STD-461E/F, SAE J1455
MIL-E-5400, MIL-I-45208A, MIL-STD-810, MIL-S-901D, MIL-STD-167-1A

2. O-RING AND MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

SIZE:	QTY	DESCRIPTION	PART NO	FINISH	ITEM NO
4 10-32 SCREW, MOUNTING, 1.25in			MS24693-C278	-	2
1 O-RING			2-038-N756-75	-	1

P/N: 3BE-UHF-XT-1F

CABLE LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SWA; B: BNC; F: F	-1R: GLOSS WHITE #17925 PER FED-STD-595B - WITH LOGO
M: WITH MMS, MOUNT	M: M2; M2; M2; M2	-1R: GLOSS WHITE #17925 PER FED-STD-595B
E: CABLE LENGTH (IN)	N: N/A; N/A; N/A; N/A	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
R: RIGHT ANGLE CON. T. TB: TNC, TNC- Bulkhead		-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
		-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
		-5: DESERT TAN #33448 PER FED-STD-595B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS AND ANGLES ± 1/64 .002 .015 .002 .002 ± 1°

TOLERANCE ±.04 PER ANS Y14.5

REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILE ALL CHAMFER TO 45°

MACHINED SURFACES

DO NOT SCALE DRAWING

DATE	BY	DESCRIPTION
2011-11-11	S. HUYNH	ORIGINALLY DRAWN
2011-11-11	S. HUYNH	ORIGINALLY DESIGNED
2011-11-11	S. HUYNH	UPDATED
2011-11-11	S. HUYNH	UPDATE DRAWN
2011-11-11	S. HUYNH	APPROVED

ANTCOM CORP. TORRANCE CALIFORNIA

UHF BLADE ANTENNA

SIZE: D	QTY: 1	REV: A
SCALE: 1/1	SHEET: 1 OF 1	

NMO Connector Option is Now Available for Some Antennas