



ISO 9001:2008/FAA Approved Facility

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

UHF Antenna

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

3" Tall Blade Configuration



FAA Approved
TSO Antennas

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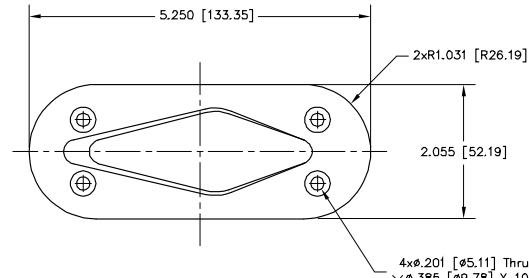
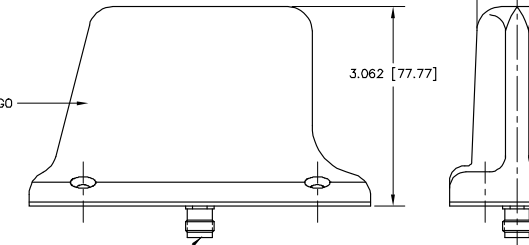
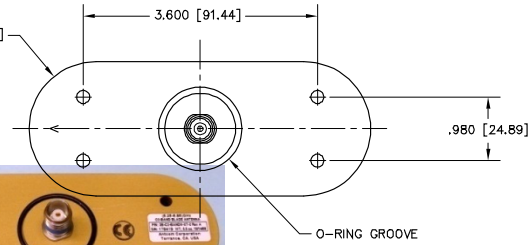
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SPECIFICATIONS

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

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 RETARDAN

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

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

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

FRACTIONS SHALL BE IN 16ths

DECIMALS SHALL BE TO 2 PLACES

ANGLES SHALL BE TO 1°

TOLERANCE SW PER ANS Y14.5

FINISH ALL SURFACES PER MIL-C-5541F

BREAK EXTERNAL EDGES .005 TO .015

REMOVE BURRS FROM ALL SURFACES

DRILL & TAP TO 100% DEPTH

DRILL & TAP PER MIL-C-8879

DATE OF A CHANGE TO THIS DRAWING

MACHINED SURFACES 125°

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA

UHF BLADE ANTENNA

DATE: 3/3/2016

SCALE: 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas

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

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

SIZE:	CONNECTOR:	COLOR:
1.25" SQ.	S: SMA; B: BNC; F: F	1-F: GLOSS WHITE #17925 PER FED-STD-595B - WITH LOGO
1.38" 1/8" SQ.	M: WITH MAG. MOUNT	2-F: GLOSS WHITE #17925 PER FED-STD-595B
2.25" DIA.	M: M: MIL-M18	3-L: LUSTERLESS GRAY #36320 PER FED-STD-595B
3.00" DIA.	R: R: N/A	4-L: LUSTERLESS GRAY #36320 PER FED-STD-595B
3.38" DIA.	R: RIGHT ANGLE CON. T: T: TNC; B: BNC; F: F	5-O: OLIVE DRAB GREEN #34031 PER FED-STD-595B
4. MINI ARINC		6-L: LUSTERLESS BLACK #37038 PER FED-STD-595B
3B: Blade, 53: Rod		7-D: DESERT TAN #33448 PER FED-STD-595B