



ISO 9001:2008/FAA Approved Facility

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

# S-Band + Ku-Band Antenna

## P/N: 3B-2.0-2.5-14.7-16.0VV-XTT-2

### 3" Tall Blade Configuration



FAA Approved  
TSO Antennas

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7

6

5

4

3

2

1

4X  $\phi$ .201 [ $\phi$ 5.11] THRU  
 $\phi$ .385 [ $\phi$ 9.78] X 100"

2X R1.031 [R26.19]

2.055 [52.19]

1.238 [31.45]

3.062 [77.77]

TNC FEMALE CONNECTOR

3.600 [91.44]

KU-BAND S-BAND

.980 [24.89]

O-RING  
P/N: MS28775-024

.740 [18.80] .740 [18.80]

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**SPECIFICATIONS**

**ELECTRICAL:**

	J1: S-Band	J2: Ku-Band
	PCS, 802.11b, 802.11g, WiFi, Bluetooth, Hotspot	
FREQUENCY (MHz):	S-BAND (2000-2500)	Ku-BAND (14700-16000)
RADIATION PATTERN:	OMNIDIRECTIONAL	
POLARIZATION:	VERTICAL	
ANTENNA GAIN (1ft GP):	4 dB	5 dB
ANTENNA GAIN (4ft GP):	5 dB	5 dB
VSWR:	2.0:1	
OUTPUT IMPEDANCE:	50 $\Omega$	
POWER HANDLING:	>50 watts	

**MECHANICAL:**

SIZE: WIDTH: 2.055 in. [52 mm], LENGTH: 5.25 in. [133 mm], HEIGHT: 3.062 in. [77 mm]

WEIGHT: 5.3 oz. (150g)

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

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  
THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE

CONNECTOR: TNC FEMALE  
(OPTION: SMA, N, BNC, TNC)

**ENVIRONMENTAL:**

TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]

ALTITUDE: 70,000 ft

VIBRATION: 10 G's

LEAKAGE: HERMETICALLY SEAL

**FEDERAL & MILITARY SPECIFICATIONS:**

**DESIGN TO:** DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

A

B

C

D

NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE'S LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA, BNC: BNC	-1: GLOSS WHITE #17925 PER FED-STD-595B
#: CABLE LENGTH (IN)	T: TNC, TB: TNC-BLK	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
R: RIGHT ANGLE CON.	N: N, NB: N-BLK	-3: CAMO GREEN #34094 PER FED-STD-595B
		-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
		-5: DESERT TAN #33446 PER FED-STD-595B

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

7

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1

4 SCREW, MOUNTING MS24693C273, ITEM 683

2 O-RING MS28775-024, ITEM 553

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
4	SCREW, MOUNTING	MS24693C273, ITEM 683	-	-	2
2	O-RING	MS28775-024, ITEM 553	-	-	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS TO DECIMALS ANGLES  $\pm$  1/64 SIZE .015 SIZE .005

TOLERANCE .5M PER ANS Y14.6 BREAK EXTERNAL EDGES .000 TO .010 FILED .5 TO .500 SCREW THREADS PER MIL-S-8879 DRCS ON A CORNER  $\frac{1}{8}$  OF DIA

MACHINED SURFACES  $\frac{125}{100}$

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA

OUTLINE DRAWING  
S-BAND & Ku-BAND  
VIDEO/DATA LINK ANTENNA

REV: 1  
D 3CVE1  
3B-2.0-2.5-14.7-16.0VV-XTT-2  
SCALE 1/1  
SHEET 1 OF 1

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

NMO Connector Option is Now Available for Some Antennas