



ISO 9001:2008/FAA Approved Facility

**New LS-Band (1627-2500) MHz Antenna**  
**P/N: 2B-LS-BANDVV-XT-2 Rev A**  
**2" Tall Blade Configuration, Shorter and Lighter**  
 Other Frequencies, Connectors, and Colors are Also Available

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



FAA Approved  
TSO Antennas

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**SPECIFICATIONS**

ZONE	REV	DESCRIPTION	DATE	APPROVED

REVISIONS

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O-RING  
P/N: MS28775-022

**ELECTRICAL:**

FREQUENCY (MHz):	LS-BAND (1627-2500)
PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL
ANTENNA GAIN : 1ft GP	4 dB
ANTENNA GAIN : 4ft GP	5 dB
VSWR:	2.0:1
OUTPUT IMPEDANCE:	50 Ω
POWER HANDLING:	>50 watts

**MECHANICAL:**

SIZE: WIDTH: 2.055 in. [52 mm], LENGTH: 5.25 in. [133 mm], HEIGHT: 1.982 in. [50 mm]

WEIGHT: 4.9 oz. (139g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL  
BASE IRIDIUM 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  
(OPTIONAL: 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

**P/N: 2B-LS-BANDVV-XT-2**

FREQUENCY (GHz):	FEMALE CONNECTOR:	COLOR:
XXX.X-YYY.Y	S: SMA	-1: GLOSS WHITE #17925 PER FED-STD-595B
L: 1.60 - 1.85	T: TNC	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
L/S: 1.60 - 2.50	TB: TNC-B	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
S: 2.40 - 2.50	N: N; B: BNC	-4: Natural Black Color from Ultem 2200 Black (20% Glass)
		-5: DESERT TAN #3346 PER FED-STD-595B

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

QTY	DESCRIPTION	PART NO	MATERIAL	FINISH	TEST REQ
4	10-32 SCREW, 5/8" L, Item 583	MS24693C273	-	-	2
2	O-RING, Item 555-22	MS28775-022	-	-	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	FRACCTIONS	TOLERANCES	ANGLES
± 1/64	DECIMALS	± .005	± 1°
± .0005	± .0005	± .0005	± .0005

APPROVED: S. HUYNH Jun-12-14	DESIGNED: S. HUYNH Sep-05-09	<b>ANTCOM CORP.</b> TORRANCE CALIFORNIA OUTLINE DRAWING LS-BAND VIDEO/DATA LINK ANTENNA
UPDATE DRAWN: P. TRAN Jun-12-14	ISSUED: S. HUYNH Jun-12-14	
SCALE: 1/1	DATE: Jun-12-14	
SHEET: 1 OF 1		

NMO Connector Option is Now Available for Some Antennas