



UHF/L/S/C-Band Antenna

P/N: 5B-0.70-0.80V-O-XS-2-OFFSET (0.70-0.80 GHz), P/N: 5B-0.80-2.60V-O-XS-2-OFFSET (0.80-2.60 GHz),  
 P/N: 5B-0.80-5.85V-O-XS-2-OFFSET (0.80-5.85 GHz), P/N: 5B-4.40-5.85V-O-XS-2-OFFSET (4.40-5.85 GHz);

Other Frequencies, Connectors and Colors are Available

ISO 9001:2008/FAA Approved Facility Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



FAA Approved TSO Antennas

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**SPECIFICATIONS**

		REVISIONS		
ZONE	REV	DESCRIPTION	DATE	APPROVED

**ELECTRICAL:**

	UHF/L/S-BAND
FREQUENCY (MHz):	See Below Table
PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL
ANTENNA GAIN :	3.5 dBil (on Minimum 24in Ground Plane)
VSWR:	Better than 2.5:1 (on Minimum 24in Ground Plane)
OUTPUT IMPEDANCE:	50 Ω
POWER HANDLING:	100 watts CW

**MECHANICAL:**

SIZE: WIDTH 1.75 in. [44.45 mm], LENGTH 5.25 in. [133.35 mm], HEIGHT 4.625 in. [117.48 mm]

WEIGHT: 9.6 oz. (272 g)

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

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: SMA FEMALE (OPTION: TNC, TNC Bulkhead, BNC, MCX, MMCX, or Cable)

**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:**

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

**SIZE:**

1: 2" SQ.	0.22, 0.31, 0.35, 0.37,	0.31, 0.35, 0.37, 0.40,
1.9: 1.9" SQ.	0.40, 0.42, 0.45, 0.47,	0.41, 0.42, 0.45, 0.47,
2: 2.8" DIA.	0.70, 0.80, 0.99, 1.30	0.70, 0.80, 0.99, 1.40
3: 3.5" DIA.	1.50, 1.60, 1.70	1.55, 1.65, 1.75
4: MINI ARINC	1.80, 1.99, 2.40	1.85, 1.99, 2.50

5B: Blade, 53: Rod

**START FREQ. (GHz):** X, XX

**STOP FREQ. (GHz):** Y, YY

**DC BLOCK/LIMITER:**

DL: WITH DC BLOCK & WITH LIMITTER	LNA:
BLANK: WITHOUT DC BLOCK NOR LIMITTER	A1: WITH +23 dB LNA
	A2: WITH +43 dB LNA
	P: WITHOUT LNA

**SCREW, MOUNTING** MS24693C273

**O-RING** MS28775-024

**P/N: 5B-0.70-0.80V-O-XS-2-OFFSET**

<b>CABLE'S LENGTH:</b>	<b>CONNECTOR:</b>	<b>COLOR:</b>
X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
#: CABLE LENGTH (IN)	N: N/Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
R: RIGHT ANGLE CON.	T, TB: TNC, TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
	BNC: BNC	-5: DESERT TAN #33446 PER FED-STD-595B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS ANGLES FRACTIONS .005 .010 .015 .020 .030 .040 .050 .060 .070 .080 .090 .100 ± 1/64 .000 ± 1'	<p><b>ANTCOM CORP.</b> TORRANCE CALIFORNIA</p> <p>OUTLINE DRAWING</p> <p>UHF/L/S/C-BAND</p> <p>VIDEO/DATA LINK ANTENNA</p> <p>DATE: 3CVE1</p> <p>SCALE: 1/1</p> <p>SHEET 1 OF 1</p>
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NMO Connector Option is Now Available for Some Antennas