



### UHF/L/S/C-Band Antenna

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

Other Frequencies, Connectors and Colors are Available



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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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

### SPECIFICATIONS

<b>ELECTRICAL:</b>	
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

  

<b>MECHANICAL:</b>	
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)

  

<b>ENVIRONMENTAL:</b>	
TEMPERATURE:	-67°F TO +185°F [-55°C TO +85°C]
ALTITUDE:	70,000 ft.
VIBRATION:	10 G's
LEAKAGE:	HERMETICALLY SEAL

  

<b>FEDERAL &amp; MILITARY SPECIFICATIONS:</b>	
DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810	

SIZE:	START FREQ. (GHz):	STOP FREQ. (GHz):	DC BLOCK/LIMITER:	LNA:
1: 2" SQ.	0.22, 0.31, 0.35, 0.37,	0.31, 0.35, 0.37, 0.40,	DL: WITH DC BLOCK & WITH LIMITER	A1: WITH +23 dB LNA
1.9: 1.9" SQ.	0.40, 0.42, 0.45, 0.47,	0.41, 0.42, 0.45, 0.47,	BLANK: WITHOUT DC BLOCK NOR LIMITER	A2: WITH +43 dB LNA
2: 2.6" DIA.	0.70, 0.80, 0.99, 1.30	0.70, 0.80, 0.99, 1.40		P: WITHOUT LNA
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	X . XX	Y . YY		

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

CABLES LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: MITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
#: CABLE LENGTH (IN)	N: NIN 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

4 SCREW, MOUNTING	MS24693C273	-	-	-	2
1 O-RING	MS28775-024	-	-	-	1

QUANTITY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
PARTS LIST						

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES ± 1/64 .002 .020 ± 1°		<b>ANTCOM CORP.</b> TORRANCE, CALIFORNIA OUTLINE DRAWING UHF/L/S/C-BAND VIDEO/DATA LINK ANTENNA
TOLERANCE 5/M PER ANSI Y14.6 HOLE: ALL DIMS BREAK EXTERNAL EDGES .005 TO .010 FILED & CHAMFER TO R .010 SQUARE DIMENSIONS PER MIL-C-8879 DIMS ON A COMMON 1/2" DIA MACHINED SURFACES ✓	DO NOT SCALE DRAWING	ORIGINAL DRAWN: S. HUYNH May-17-01 ORIGINAL DESIGNED: S. HUYNH May-17-01 UPDATED: S. HUYNH Dec-09-14 UPDATE DRAWN: P. TRAN Dec-09-14 APPROVED: S. HUYNH Dec-09-14
CABLE NO: 3CVC1 SCALE 1/1	DRAWING NO: 5B-0.70-0.80V-O-XS-2 SHEET 1 OF 1	DATE: 4/3/2016

NMO Connector Option is Now Available for Some Antennas