



ISO 9001:2008/FAA Approved Facility

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

# UHF/L/S/C-Band Antenna (4 Ports),

## P/N: 5B-0.40-5.85P-KuR-XS4-X, 4.6" Tall Blade Configurations



FAA Approved  
TSO Antennas

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1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]  
NOTES: UNLESS OTHERWISE SPECIFIED:

**SPECIFICATIONS**

**ELECTRICAL:**

	J3: UHF BAND (400-470)	J1: L/S-BAND (1625-2500)	J2: C-BAND (4400-5850)	J4: Ku BAND (14400-15350)
FREQUENCY (MHz):				
PATTERN:	OMNIDIRECTIONAL			
POLARIZATION:	VERTICAL		RHCP	
ANTENNA GAIN : (12" x 42" CARBON FIBER G.P.)	-1.0 to +6.5	-1.0 to +7.5	+3.0 to +8.5	0 to +3.0
VSWR:	2.6:1		2.0:1	
OUTPUT IMPEDANCE:	50			
POWER HANDLING:	>50 watts			

**MECHANICAL:**

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

WEIGHT: 7.3 oz. (0.27 Kg)

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: SMA-FEMALE

**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

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REF
4	SCREW, MOUNTING	MS24693C273	-	-	-	2
1						1
-1						

**UNLESS OTHERWISE SPECIFIED**  
DIMENSIONS ARE IN INCHES  
FRACTIONS DECIMALS ANGLES  
± 1/64 ± .010 ± .1°

TOLENCES .010 PER ANS Y14.8  
HOLE POSITION .005 TO .010  
HOLE SIZE .002 TO .010  
SOCKET THREADS PER MIL-C-8879  
DATE OF A CHANGE 5 OF 100  
MACHINED SURFACE

DO NOT SCALE DRAWING

**ANTCOM CORP.** TORRANCE, CALIFORNIA  
OUTLINE DRAWING  
UHF/LS/C/Ku BAND  
VIDEO/DATA LINK ANTENNA

APPROVED: S. HUYNH  
DATE: JAN-24-12

REV: D  
REV: 3CVE1  
SCALE: 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas