



# UHF + L-Band Antenna

## P/N: 6B-225-450-L-12NT-2-1DBUHF-H130

### 6" Tall Blade Configuration



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

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### SPECIFICATIONS

ZONE	REVISIONS			
	REV	DESCRIPTION	DATE	APPROVED

  

	J1 - UHF	J2 - L-BAND
FREQUENCY (MHZ):	(225-450) MHz	(1610-2000)
RADIATION PATTERN:	OMNIDIRECTIONAL	
POLARIZATION:	VERTICAL	
ANTENNA GAIN:	-1 dBi	2 dB
VSWR:	< 3:1, < 2.6:1 @ > 400MHz	2.0:1
OUTPUT IMPEDANCE:	50 Ω	50 Ω
POWER HANDLING:	200 watts	>50 watts

  

**ELECTRICAL:**

**MECHANICAL:**

SIZE: WIDTH 4.50 in. [114 mm], LENGTH 9.10 in. [231 mm]  
 HEIGHT 5.99 in. [152.15 mm]

WEIGHT: 21.81 oz. (618g)

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  
 CAMO GREEN #34094 PER FED-STD-595B  
 LUSTERLESS BLACK #37038 PER FED-STD-595B

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE  
 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDANT

CONNECTOR: UHF: N FEMALE CABLE  
 L-BAND: TNC FEMALE CABLE  
 (OPTION: TNC, TNC Bulkhead, SMA, 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 SEALED

**FEDERAL & MILITARY SPECIFICATIONS:**

**DESIGN TO:** TSO-C129A/C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

## P/N: 6B-225-450-L-12NT-2-1DBUHF-H130

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
1	O-RING	2-031/N756-75, ITEM 550	-	-	2
-1	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO

  

UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN INCHES	
FRACTIONS	DECIMALS	ANGLES	± 1'
± 1/64	± .001	± 1'	± 1'
TOLERANCE 5M PER AMS Y14.5		FORMING ALL EDGES	
BREAK EXTERNAL EDGES 000 TO .015		FILLET RADIUS TO R1.00	
SOCKET THREADS PER MIL-S-8879		DATE ON A DIMENSION OF 000	
MACHINED SURFACES		125	
DO NOT SCALE DRAWING			

  

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

  

ORIGINAL DRAWN: S. HUYNH Aug-17-09	<b>ANTCOM CORP.</b> TORRANCE, CALIFORNIA  <b>UHF + L-BAND          BLADE ANTENNA</b>
ORIGINAL DESIGNED: S. HUYNH Aug-17-09	
UPDATED: S. HUYNH April-21-15	
UPDATE DRAWN: P. TRAN April-21-15	
APPROVED: S. HUYNH April-21-15	SHEET 1 OF 1