



High Temperature Performance L, S, C, X, or Ku-Band Antennas for Telemetry/Data Link Applications, P/N: 6BH-X.XX-X.XXV-XS-X-HF 1" Tall Blade Configuration, Also Available in UHF and Other Frequencies Bands



ISO 9001:2008/FAA Approved Facility

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

ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501, USA . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
-	-	-	-	-

SPECIFICATIONS

ELECTRICAL:

FREQUENCY	PART # for SMA CON.	PART # for TNC CON.
1.43-1.54 GHz	6BH-1.43-1.54V-XS-X	6BH-1.43-1.54V-XT-X
1.71-1.85 GHz	6BH-1.71-1.85V-XS-X	6BH-1.71-1.85V-XT-X
1.70-2.70 GHz	6BH-1.70-2.70V-XS-X	6BH-1.70-2.70V-XT-X
2.20-2.29 GHz	6BH-2.20-2.29V-XS-X	6BH-2.20-2.29V-XT-X
4.00-6.00 GHz	6BH-4.00-6.00V-XS-X	
4.50-5.00 GHz	6BH-4.50-5.00V-XS-X	
5.40-5.90 GHz	6BH-5.40-5.90V-XS-X	
6.00-8.00 GHz	6BH-6.00-8.00V-XS-X	
8.90-9.50 GHz	6BH-8.90-9.50V-XS-X	
14.5-15.5 GHz	6BH-14.5-15.5V-XS-X	

RADIATION PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL
ANTENNA GAIN:	(2 to 5) dB
VSWR:	< 2.0:1
OUTPUT IMPEDANCE:	50 Ω
POWER HANDLING:	300 Watts
DC GROUNDING:	YES (LIGHTNING PROTECTION)

MECHANICAL:

SIZE: WIDTH 0.45 in. [11.43 mm], LENGTH 3.56 in. [90.42 mm], HEIGHT 0.90 in. [22.99 mm]

WEIGHT: 1.07 oz. (30.3 g)

FINISH: YELLOW IRITE PER MIL-C-5541F, TYPE 1 CLASS 1A

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

CONNECTOR: TNC FEMALE
(OPTIONAL: SMA FEMALE CONNECTOR)

ENVIRONMENTAL:

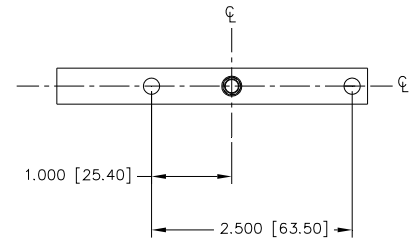
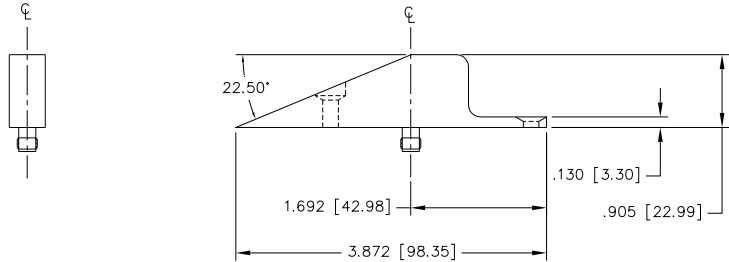
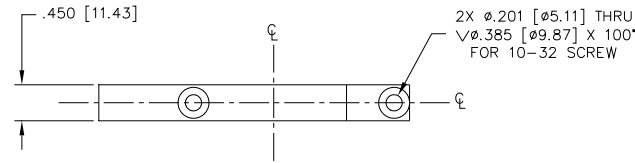
TEMPERATURE: -85°F TO +1,100°F [-65°C TO +600°C]

ALTITUDE: 70,000 ft.

VIBRATION: >30 G's

FEDERAL & MILITARY SPECIFICATIONS:

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



- MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION
 - DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
- NOTES: UNLESS OTHERWISE SPECIFIED:

P/N: 6BH-X.XX-X.XXV-XS-X-HF

COLOR:

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- LUSTERLESS BLACK #37038 PER FED-STD-595B

QUANTITY	RECD	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	REP NO
4	-	SCREW, MOUNTING	MS24693C274	-	-	-	1
-2	-1						

UNLESS OTHERWISE SPECIFIED		PARTS LIST	
ANGLES	DECIMALS	ORIGINAL DRAWN	S. HUYNH
FRACTIONS	± 1/64	ORIGINAL DESIGNED	S. HUYNH
TOLERANCE	± .015	UPDATE DRAWN	P. TRAN
REMOVE ALL BURRS		UPDATE DESIGN	S. HUYNH
BREAK EXTERNAL EDGES .005 TO .015		APPROVED	S. HUYNH
FILLET R .005 TO R .030			
DRILL DIA'S ON A COMMON & 2X .0005			
MACHINED SURFACES 12.5			
DO NOT SCALE DRAWING			

ANTCOM CORP. TORRANCE CALIFORNIA	
HIGH TEMPERATURE TELEMETRY & DATA LINK ANTENNA	
DATE	SCALE 1/1
30VE1	SHEET 1 OF 1