



High Temperature Performance L, S, C, X, or Ku-Band Antennas for Telemetry/Data Link Applications

6BH-1.627-1.85V-XS-4 (1.627-1.85) GHz, 6BH-2.40-2.50V-XS-4 (2.40-2.50) GHz,

6BH-1.627-2.50V-XS-4 (1.627-2.50) GHz, 6BH-2.20-2.40V-XS-4 (2.20-2.40) GHz,

6BH-3.40-4.20V-XS-X-63MM (3.40-4.20) GHz

1" Tall Blade Configuration, Other Frequencies Bands, Connectors, and Colors are Also Available

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



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

COLOR:
-1: GLOSS WHITE #17925 PER FED-STD-595B
-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

SPECIFICATIONS

REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION	
B		-63MM	12/01/16 S.H

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
1.627-1.85 GHz	6BH-1.627-1.85V-XS-X	6BH-1.627-1.85V-XT-X
1.627-2.50 GHz	6BH-1.627-2.50V-XS-X	6BH-1.627-2.50V-XT-X
2.20-2.29 GHz	6BH-2.20-2.29V-XS-X	6BH-2.20-2.29V-XT-X
2.40-2.50 GHz	6BH-2.40-2.50V-XS-X	6BH-2.40-2.50V-XT-X
3.40-4.20 GHz	6BH-3.40-4.20V-XS-X	6BH-3.40-4.20V-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

4	-	SCREW, MOUNTING	NS24693C274	-	-	-	1
-2	-1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
QUANTITY REQD							
PARTS LIST							

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS 1/1000 ANGLES ± 1/64 DEC .015 ± 1° HOLE DIA	ORIGINALLY DRAWN S. HUYNH Mar-29-02	<p>ANTCOM CORP. HIGH TEMPERATURE TELEMETRY & DATA LINK ANTENNA</p> <p>SCALE 1/1</p>
TOLERANCE .010 PER ANSI Y14.5	ORIGINALLY DESIGNED S. HUYNH Mar-29-02	
REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILED R .005 TO R .0075 SCREW THREADS PER MIL-C-8879 PARTS ON A COMMON LOT	UPDATE DRAWN P. TRAN July-02-12	
MACHINED SURFACES 1/2	UPDATE DESIGN S. HUYNH July-02-12	
DO NOT SCALE DRAWING	APPROVED S. HUYNH July-02-12	<p>DATE 12/01/16</p> <p>DESIGN NO 6BH-X.XX-X.XXV-XS-X</p> <p>REV B</p> <p>SHEET 1 OF 1</p>

2. MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED: