High Temperature Performance GPS Antenna
P/N: 6BH-G1.5P-XS-X-HF
(1.5G Blade Configuration)

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

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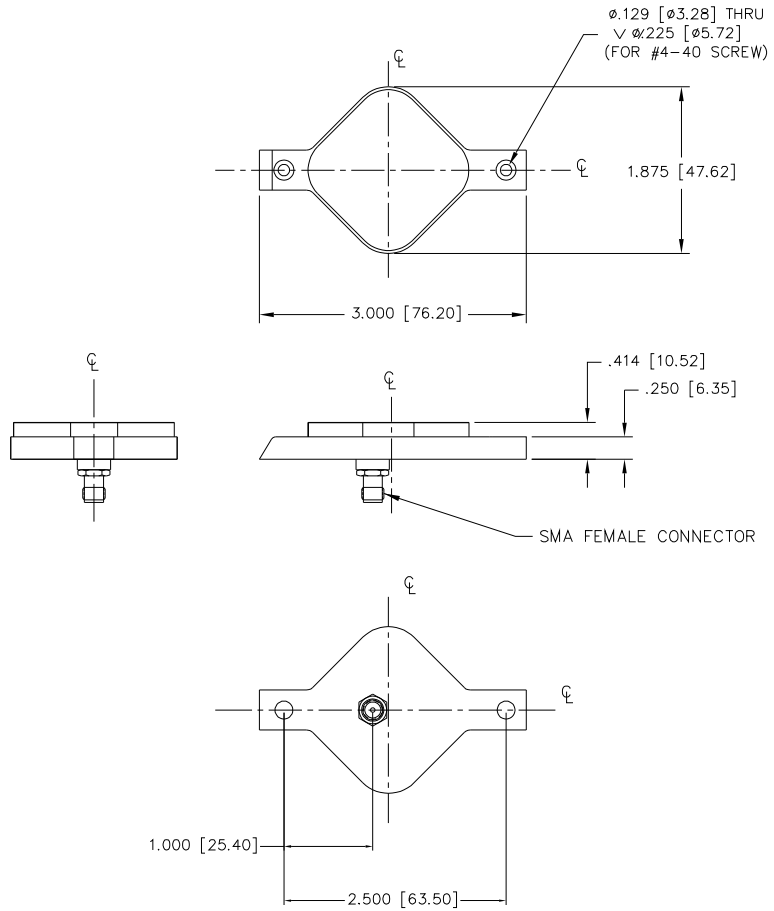
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	-	-	-



SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	L1: (1575.42 ±12) MHz		
RADIATION PATTERN:	HEMISPHERICAL		
POLARIZATION:	RHCP		
VSWR:	< 1.5:1		
IMPEDANCE:	50 ohms		
ANTENNA GAIN (dBic):	Free Space	16 in G.P.	4 ft G.P.
@ 90 ° (ZENITH):	+ 4.6	+ 0.3	+ 2.9
@ 10 ° Elevation:	- 2.5	- 3.1	- 1.8
@ 20 ° Elevation:	- 1.1	- 1.1	+ 0.7
@ 30 ° Elevation:	+ 0.5	+ 0.9	+ 1.7
@ 60 - 90° Elevation:	> 3.6	+3.1/+0.3	> 2.1
BEAM WIDTH (3dB):	103 Deg.	120 Deg.	146 Deg.
AXIAL RATIO:	2 dB		
LIGHTNING PROTECTION:	DC GROUNDING		

MECHANICAL:

SIZE:	1.88in [47.6mm] x 3.00in [76.2mm] HEIGHT= 0.41 in. [10.5mm]
WEIGHT:	1.9 oz. (53.9 g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441
COLOR:	GLOSS WHITE #17925 PER FED-STD-595B LUSTERLESS GRAY #36320 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 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT
CONNECTOR:	FEMALE SMA (OPTIONAL: MCX, MMCX, TNC)

ENVIRONMENTAL:

TEMPERATURE:	-85 °F TO +1,100 °F [-65 °C TO +600 °C]
ALTITUDE:	70,000 ft.
VIBRATION:	> 30 G's
LEAKAGE:	HERMETICALLY SEAL

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

QUANTITY REQD	ITEM NO	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH
PARTS LIST						
4	-	SCREW, MOUNTING	MS24693C274	-	-	-
-2	-1					

P/N: 6BH-G1.5P-XS-X-HF

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

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ± 1/64 DECIMALS .XX ± .015 .XXX ± .005 ANGLES ± 1°
TOLERANCE SYM PER ANSI Y14.5
REMOVE ALL BURRS
BREAK EXTERNAL EDGES .005 TO .015
FILLETS R .005 TO R .030
SCREW THREADS PER MIL-S-8879
DIA'S ON A COMMON ℄ .5F.005
MACHINED SURFACES 125
DO NOT SCALE DRAWING

ORIGINALLY DRAWN	S. HUYNH	Mar-29-02
ORIGINALLY DESIGNED	S. HUYNH	Mar-29-02
UPDATE DRAWN	P. TRAN	Sept-26-12
UPDATE DESIGN	S. HUYNH	Sept-26-12
APPROVED	S. HUYNH	Sept-26-12

ANTCOM CORP. TORRANCE, CALIFORNIA

HIGH TEMPERATURE PERFORMANCE GPS ANTENNA

SIZE	CAGE NO	DRAWING NO	REV
D	3CVE1	6BH-G1.5P-XS-X-HF	A

SCALE 1/1 SHEET 1 OF 1

ORIGINAL DOCUMENT WHEN STAMP IS RED