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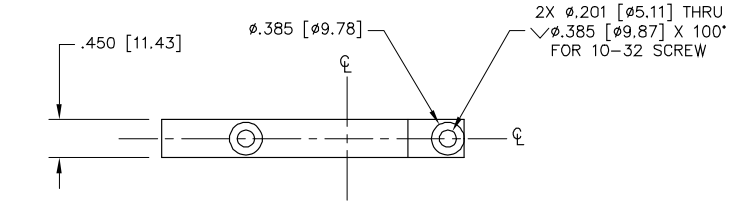
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	B	-63MM	12/01/16	S.H

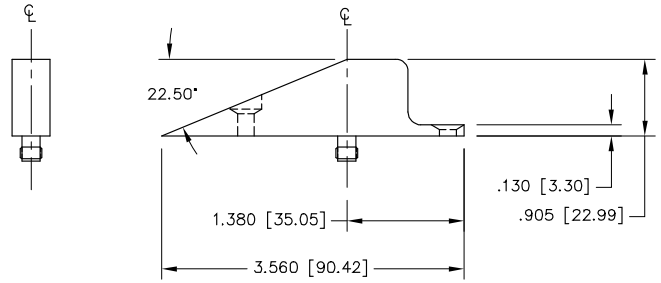
SPECIFICATIONS

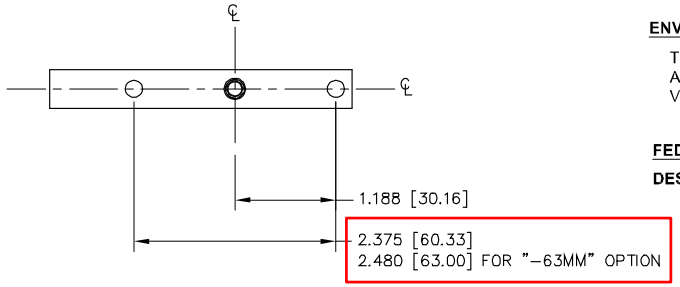
ELECTRICAL:

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
1.627-1.85 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

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

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

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ± 1/64 DECIMALS .XXX ± .005 .XXXX ± .005 ANGLES ± 1°
TOLERANCE SYM PER ANSI Y14.5
REMOVE ALL BURRS AND BREAK EXTERNAL EDGES .005 TO .015
FILLET & RDII TO R .030
SCREW THREADS PER MIL-S-8879
DIA'S ON A COMMON Ø ± .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	July-02-12
UPDATE DESIGN	S. HUYNH	July-02-12
APPROVED	S. HUYNH	July-02-12

ANTCOM CORP. TORRANCE CALIFORNIA
HIGH TEMPERATURE TELEMETRY & DATA LINK ANTENNA
SIZE D | CAGE NO 3CVE1 | DRAWING NO 6BH-X.XX-X.XXV-XS-X | REV B
SCALE 1/1 SHEET 1 OF 1