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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
E	UPDATE PER ECO 8326	07/21/08	

NOTES: UNLESS OTHERWISE SPECIFIED.

- MOUNTING SCREWS AND #8 WASHERS, SUPPLIED BY AEROANTENNA.
- TOLERANCE: .XX = .03
.XXX = .010

SPECIFICATION:

FREQUENCY: 1227 ±10 MHz &
1575 ±10 MHz

POLARIZATION: RIGHT HAND CIRCULAR

AXIAL RATIO: 3.0 dB TYP.

RADIATION COVERAGE(L1/L2): 4.0 dBic TYPICAL
-3.0 dBic @ 10° ABOVE HORIZON

AMPLIFIER GAIN(L1 & L2): 36 db ±2 db

NOISE FIGURE(L1 & L2) 3.0 dB TYPICAL(3.5db MAX)

VOLTAGE: REGULATED 4.5-15Vdc TYPICAL

CURRENT CONSUMPTION: 50 mA MAX.

IMPEDANCE: 50 OHMS

VSWR: ≤2.0:1

CONNECTOR: SMA FEMALE TYPICAL

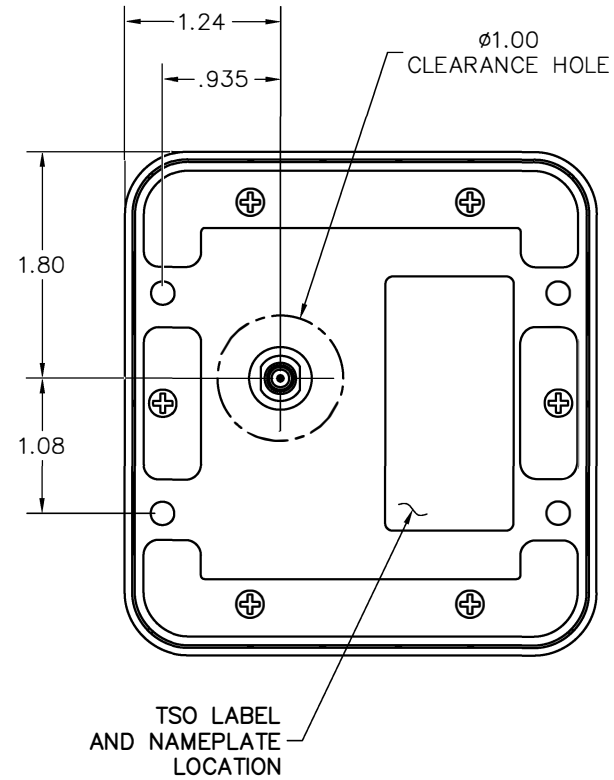
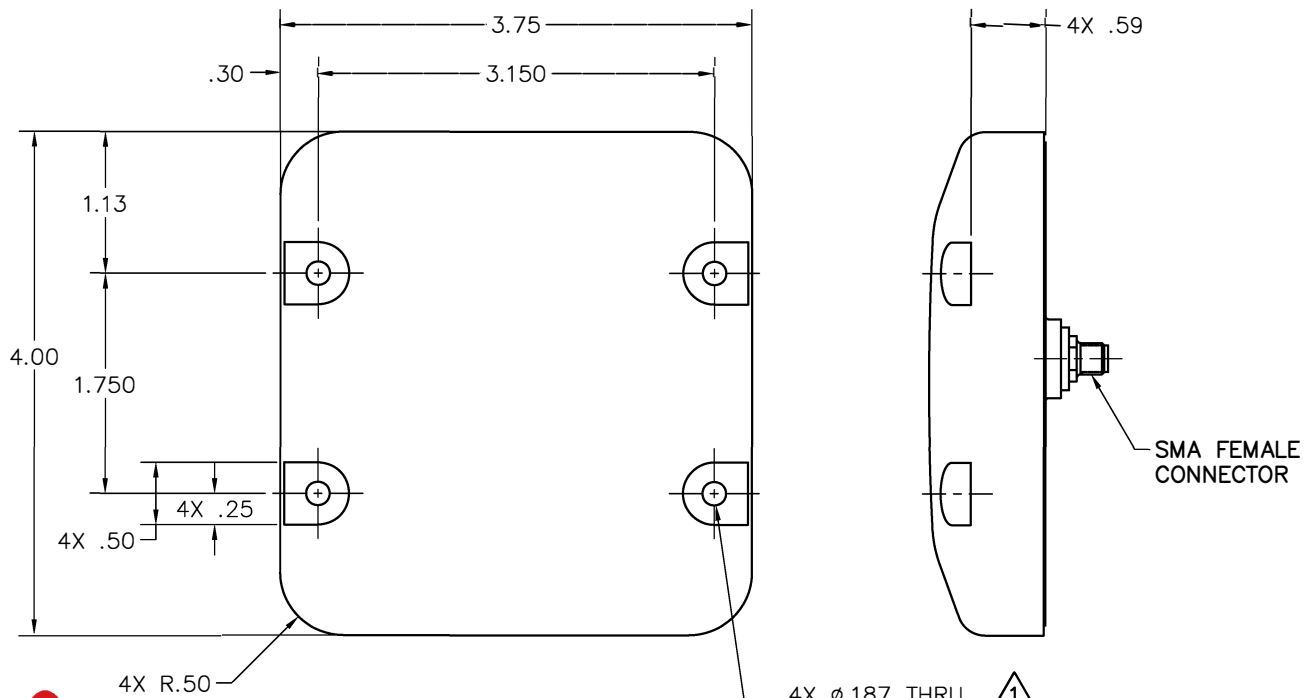
WEIGHT: 11 OZ

MATERIAL: A380 ALUMINUM ALLOY-CASTING BASE, ULTEM (BLACK) RADOME

ALTITUDE: TO 70,000' (20,000' METERS)

OPERATING TEMP: -55°C TO +85°C

DESIGNED TO: DO-160D
ENV CAT: E1-ABB[S(CLMY)U(FF1)]XSFDZAAZPH[A3][2A]CX
TSO C-144



4X Ø.187 THRU (MOUNTING HOLES)
4X MOUNTING SCREWS MS51957-49 (8-32 UNC-2A X 1, CROSS RECESSED PAN HEAD, SST)

PART NO. DESIGNATION:

AT2775-65XXX-XXXX-XXX-XX-XX-XX

CUSTOMER ID (IF APPLICABLE) _____

COLOR B = BLACK _____

CONNECTOR SMAF = SMA FEMALE
TNCF = TNC FEMALE _____

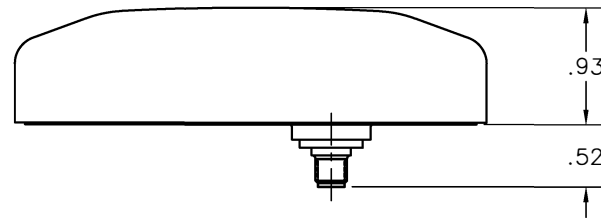
MAGNET NM = NO MAGNET _____

GAIN (± 2 dB) 36 = 36 dB (50 mA MAX) _____

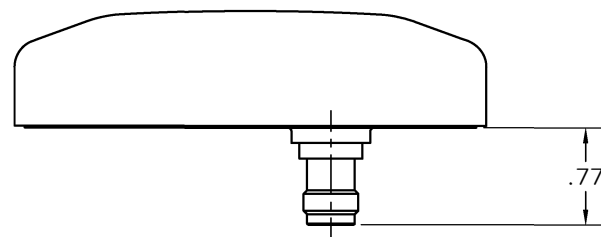
VOLTAGE RG = 4.5-15Vdc _____

CABLE LENGTH *000 = NONE _____

* = OPTION NOT AVAILABLE WITH THIS MODEL
STANDARD MODEL = AT2775-65B-SMAF-000-RG-36-NM



SMAF VERSION



TNCF VERSION

DO NOT SCALE THIS DRAWING	DRAWN S. VALDES	01/03/00
REMOVE BURRS AND BREAK SHARP EDGES:	CHECKED T. JEENSALUTE	04/31/01
PART TO BE CLEAN AND OIL FREE	ENGR S. VALDES	04/12/01
ALL DIMENSIONS ARE IN INCHES	MFG D. LEVY	04/13/01
DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994	Q.A. B. RUBENI	04/13/01
TOLERANCES: .XX ±.01 FRACT = ±1/32	APPROVED G. SHAR	04/13/01
.XXX ±.005 ANG. = ±1/2°	DRAWN MCAD	
SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32		
HOLE DIA. TOLERANCE		
.0135 - .125 +.004 -.001		
.126 - .250 +.005 -.001		
.251 - .500 +.006 -.001		
.501 - .750 +.008 -.001		

AeroAntenna Technology Inc
AS9100 CERTIFIED CO.

TITLE: L1/L2 ANTENNA

SIZE: B CAGE CODE: OUVG2 DRAWING NO.: AT2775-65 REV: E

SCALE: NONE I:\CAD\AT2775\65\AT2775-65_E SHEET 1 OF 1



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AT2775-65

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