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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE PER ECO 8593	01/08/09	

NOTES: UNLESS OTHERWISE SPECIFIED.

- 1 O-RING AND MOUNTING SCREWS SUPPLIED BY AEROANTENNA.
- 2 LABEL SIZE, SHAPE AND CONTENTS SUBJECT TO CHANGE WITHOUT NOTICE.
- 3 LOGO OPTIONAL.
- 4. TOLERANCES: .XX ± .03
.XXX ± .010

SPECIFICATION:

FREQUENCY: 1525-1585 MHz (L-BAND+L1)
1217-1237 MHz (L2)

POLARIZATION: RIGHT HAND CIRCULAR

AXIAL RATIO: 3 dB MAX @ BORESIGHT

RADIATION COVERAGE: 5.0 dBic @ 0° = 0°
-2.0 dBic 0° < θ < 75°
-3.0 dBic 75° ≤ θ < 80°
-4.0 dBic 80° ≤ θ < 85°
-5.0 dBic HORIZON

AMPLIFIER:

NOISE FIGURE: 2.6 dB MAX

IMPEDANCE: 50 OHMS

VSWR: ≤2.0:1

BAND REJECTION: 20 dB @ 250 MHz

POWER HANDLING: 1 WATT

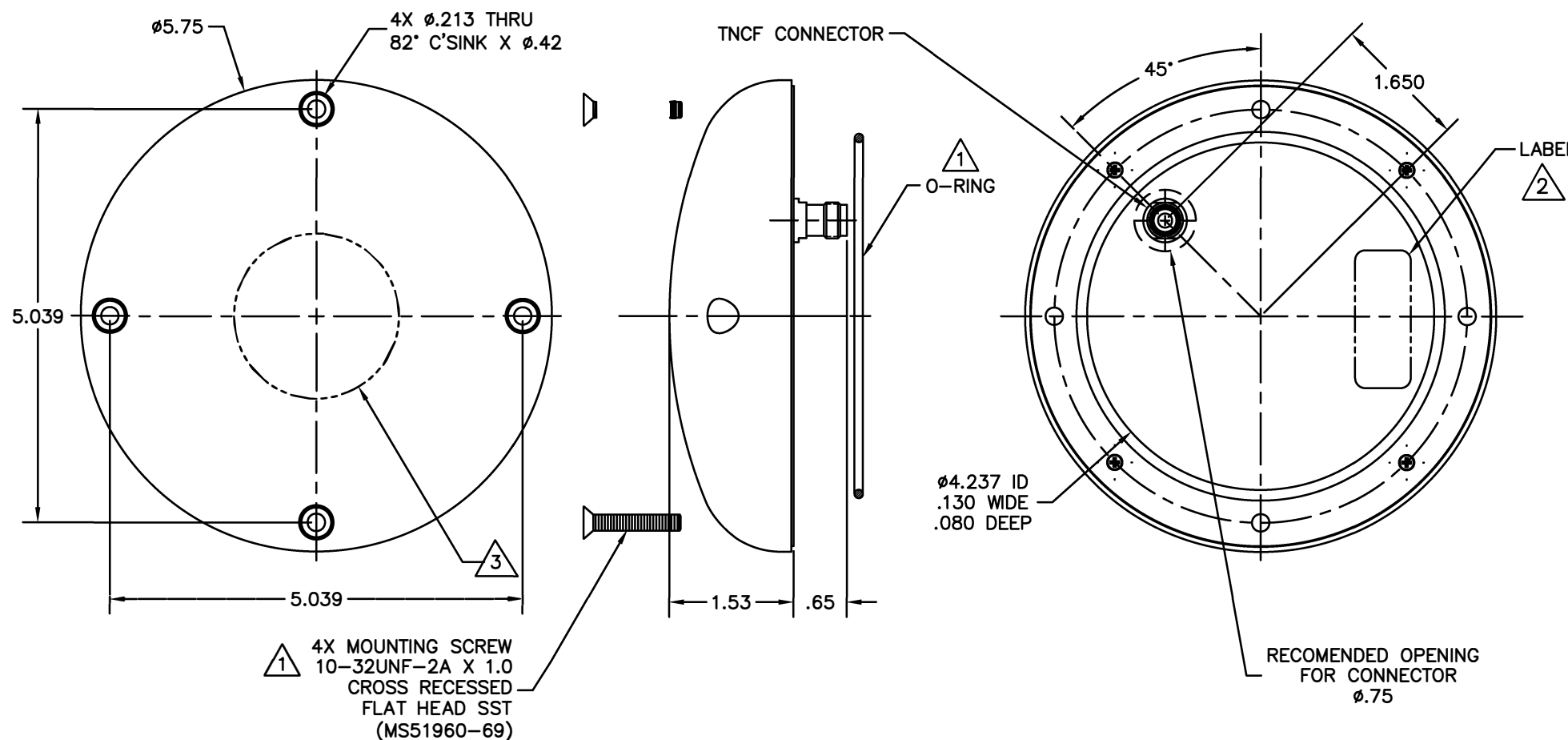
FINISH: FLUID RESISTANT

WEIGHT: .71 LB

ALTITUDE: 70,000'

OPERATING TEMP: -55°C TO +85°C

DESIGNED TO: DO-160D
ENV CAT: E1-ABB[CLMY]XSFDZAAACPH[A3][2A]CA



PART NO. DESIGNATION:

AT2775-383W-SMAF-000-RG-39-NM

COLOR
W = WHITE
S = SMOKE GRAY
O = OLIVE DRAB

CONNECTOR
TNCF = TNC FEMALE
SMAF = SMA FEMALE

CABLE LENGTH
* 000 = IN INCHES

MAGNET
NM = NO MAGNET

GAIN (± 2 dB)
00 = PASSIVE
26 = 26 dB (40 mA)
39 = 39 dB (70 mA)
XX = OTHER

VOLTAGE
RG = 4.2 TO 15.0 VDC
05 = 5.0 ±.30 VDC

* = OPTION NOT AVAILABLE WITH THIS MODEL

STANDARD MODEL= AT2775-383W-TNCF-000-RG-39-NM

DO NOT SCALE THIS DRAWING	DRAWN	V. GRINEVICH	12/02/08
REMOVE BURRS AND BREAK SHARP EDGES:	CHECKED		
PART TO BE CLEAN AND OIL FREE	ENGR	STEVE VALDES	01-28-09
ALL DIMENSIONS ARE IN INCHES	MFG	DANNY LEVY	01-29-09
DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994	Q.A.	B. RUBENI	01-29-09
TOLERANCES:	APPROVED	YOUSI Z.	01-30-09
XX ±.01 FRACT = ±1/32	DRAWN IN	CAD	
XXX ±.005 ANG. = ±1/2°			
✓ SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32			
HOLE DIA.	TOLERANCE		
.0135 - .125	+0.004 -.001		
.126 - .250	+0.005 -.001		
.251 - .500	+0.006 -.001		
.501 - .750	+0.008 -.001		
NEXT ASSY			

AeroAntenna Technology Inc
AS9100 CERTIFIED CO.

TITLE
GPS ANTENNA, L1/L2 AND L-BAND

SIZE B CAGE CODE OUVG2 DRAWING NO. AT2775-383 REV A

SCALE NONE I:\CAD\AT2775\383\AT2775-383_A SHEET 1 OF 1

03-9243358 :פוק ▪ 03-9243352 :לו ▪ 7042 פ"ת ,14 אודם ,ת.ד.ת.ר ▪ www.hypertech.co.il ▪ sales@hypertech.co.il



AT2775-383