

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
J	UPDATED PER ECO 9280	06/22/10	
CHANGE RADOME'S RADIUS FROM R.38 TO R.44			

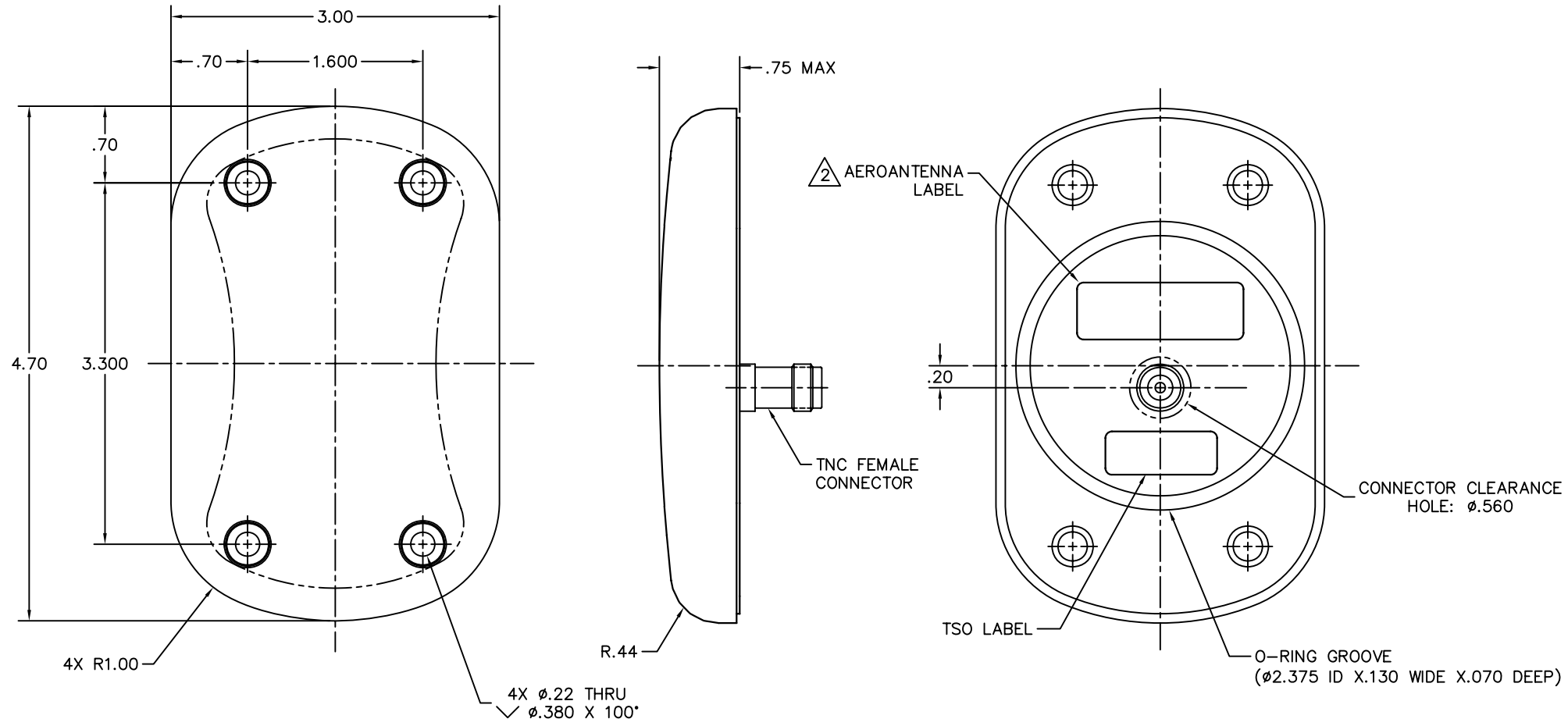
NOTES: UNLESS OTHERWISE SPECIFIED.

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

SPECIFICATION:

FREQUENCY: 1565-1615 MHz
 POLARIZATION: RIGHT HAND CIRCULAR
 AXIAL RATIO: 3 dB MAX AT BORE SIGHT
 RADIATION COVERAGE: ELEVATION ANGLE MINIMUM GAIN
 >15° -2.0 dBic
 10° -3.0 dBic
 5° -4.5 dBic
 0° -7.5 dBic

AMPLIFIER:
 NOISE FIGURE: 2.5 dB MAX
 IMPEDANCE: 50 OHMS
 VSWR: ≤2.0:1
 BAND REJECTION: 20 dB @ 250 MHz
 POWER HANDLING: 1 WATT
 FINISH: POLYURETHANE ENAMEL, FLUID RESISTANT
 WEIGHT: 8 OZ MAX
 ALTITUDE: 55,000'
 OPERATING TEMP: -55°C TO +85°C
 DESIGNED TO: DO-160D,
 ENV CAT: F2-ABB[S(CLMY)U(FF1)]XSFDFSXXXXPX[A3][2A]CX
 ARINC 743 FOOTPRINT
 TSO: C-144



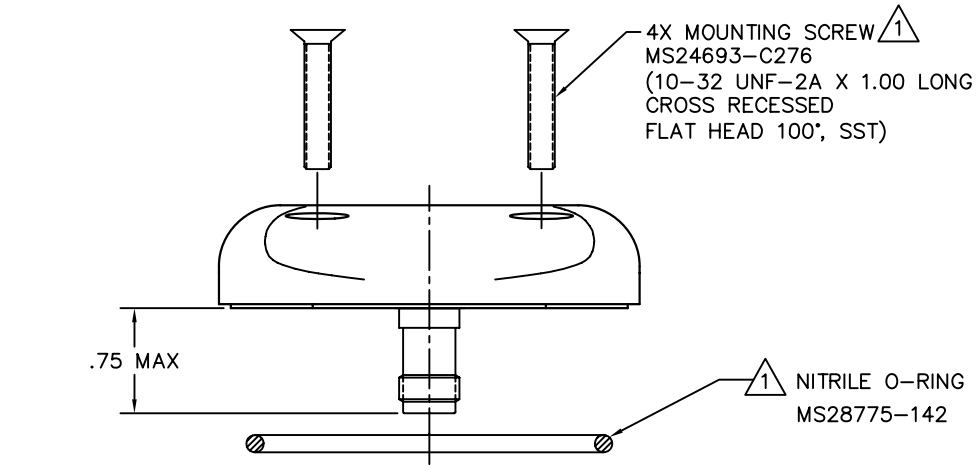
PART NO. DESIGNATION:
 AT1675-OXXX-XXXX-XXX-XX-XX-XX

CUSTOMER ID (IF APPLICABLE) _____
 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
 12 = 12 dB (28 mA)
 26 = 26 dB (50 mA)
 36 = 36 dB (100 mA)
 38 = 38 dB (100 mA)
 XX = OTHER
 VOLTAGE
 RG = 4.5 TO 18.0 VDC

* = OPTION NOT AVAILABLE WITH THIS MODEL

STANDARD MODEL= AT1675-OW-TNCF-000-RG-26-NM



DO NOT SCALE THIS DRAWING	DRAWN	E. GALBAN	12/20/97
REMOVE BURRS AND BREAK SHARP EDGES:	CHECKED	U. AN	03/09/98
PART TO BE CLEAN AND OIL FREE	ENGR	S. VALDES	03/09/98
ALL DIMENSIONS ARE IN INCHES	MFG	D. LEVY	05/21/03
DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994	Q.A.	B. RUBENI	03/09/98
TOLERANCES:	APPROVED	G. SHAR	03/09/98
.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 +.004/-0.001			
.126 - .250 +.005/-0.001			
.251 - .500 +.006/-0.001			
.501 - .750 +.008/-0.001			

AeroAntenna Technology Inc
 AS9100 CERTIFIED CO.

TITLE: GPS ANTENNA

SIZE	CAGE CODE	DRAWING NO.	REV
B	OUVG2	AT1675-0	J

SCALE: NONE I:\CAD\AT1675\00\AT1675-0_J SHEET 1 OF 1

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