

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
F	UPDATE PER ECO 9172	03/25/10	
CHANGE ALIGNMENT KEY DIMENSION FROM .200 TO .235			

NOTES: UNLESS OTHERWISE SPECIFIED.

- 1 DISTANCE REQUIRED ANTENNA EXPOSURE.
- 2 LABEL SIZE, SHAPE AND CONTENTS SUBJECT TO CHANGE WITHOUT NOTICE.
- 3. TOLERANCES: .XX = ±.03
.XXX = ±.010

SPECIFICATION:

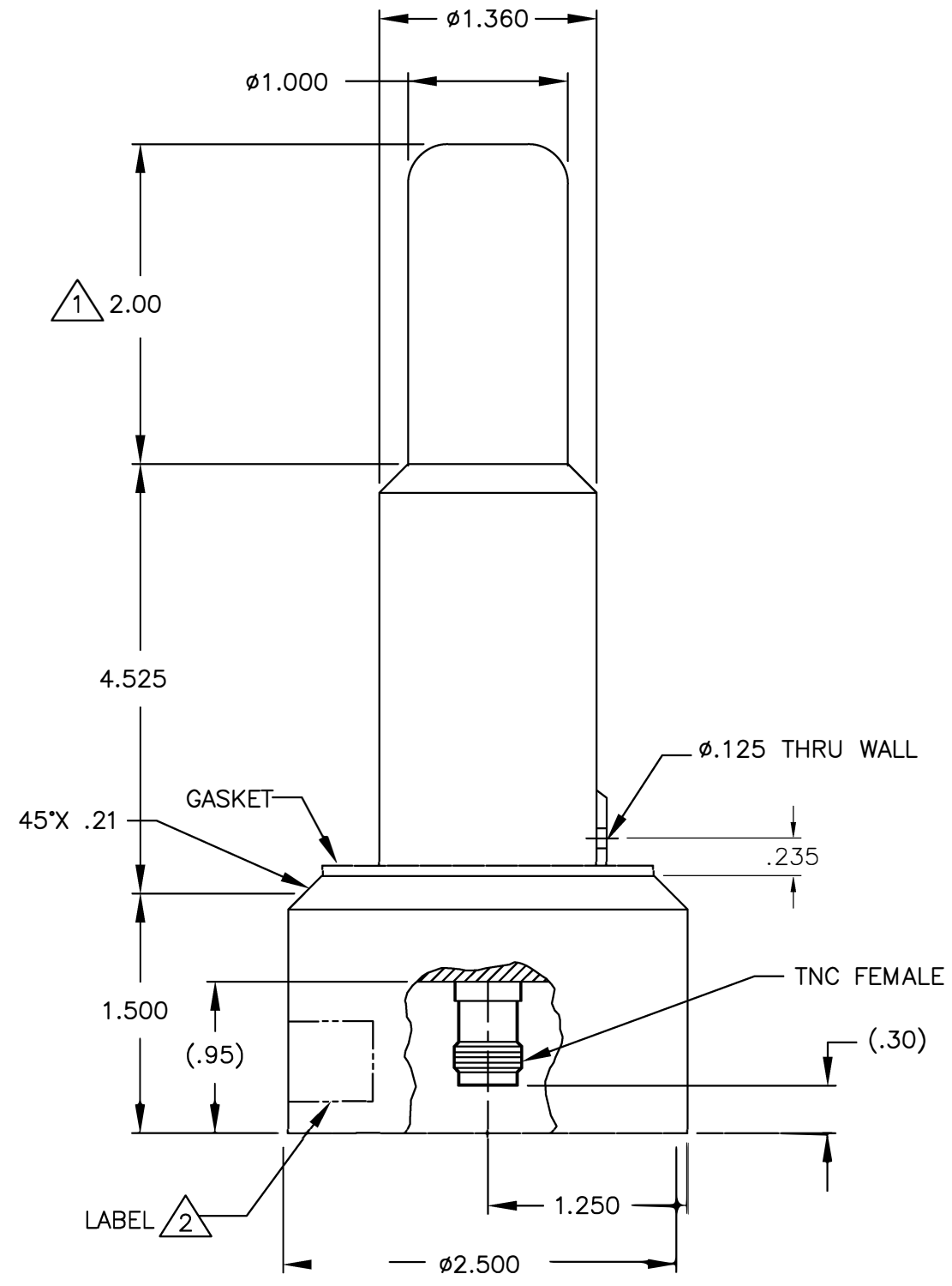
FREQUENCY: 1575 ±10 MHz
 POLARIZATION: RIGHT HAND CIRCULAR
 AXIAL RATIO: 3 dB MAX
 RADIATION COVERAGE: 7.0 dBic 0° = 0°
 2.0 dBic 0° < θ < 75°
 1.5 dBic 75° ≤ θ < 80°
 0 dBic 80° ≤ θ < 85°
 0 dBic θ = 90°
 AMPLIFIER:
 NOISE FIGURE: 2.5 dB MAX
 IMPEDANCE: 50 OHMS
 VSWR: ≤2.0:1
 BAND REJECTION: 35 dB
 POWER HANDLING: 1 WATT
 FINISH: WEATHERABLE POLYMER
 WEIGHT: 11 OZ
 ALTITUDE: 55,000'
 OPERATING TEMP: -40°C TO +70°C
 DESIGNED TO: DO-160C,
 MIL-STD-810F



PART NO. DESIGNATION:

AT575-83X-XXXX-XXX-XX-XX-XX

COLOR _____
 W = WHITE
 S = SMOKE GRAY
 O = OLIVE DRAB
 CONNECTOR _____
 TNCF = TNC FEMALE
 BNCF = BNC FEMALE
 SMAF = SMA FEMALE
 CABLE LENGTH _____
 000 = N/A
 MAGNET _____
 NM = NO MAGNET
 GAIN (± 2 dB)
 00 = PASSIVE
 12 = 12 dB (20 mA)
 26 = 26 dB (35 mA)
 VOLTAGE _____
 00 = PASSIVE
 05 = 5 VDC
 RG = 3.5-5 VDC



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STANDARD MODEL= AT575-83W-TNCF-000-05-26-NM

DO NOT SCALE THIS DRAWING REMOVE BURRS AND BREAK SHARP EDGES: PART TO BE CLEAN AND OIL FREE ALL DIMENSIONS ARE IN INCHES DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994 TOLERANCES: XX ±.01 FRACT = ±1/32 XXX ±.005 ANG. = ±1/2'	DRAWN J. AMADO 05/24/94	
✓ SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32	CHECKED T. JEENSALUTE 09/24/96	
HOLE DIA. TOLERANCE .0135 - .125 +.001 -.001 .126 - .250 +.005 -.001 .251 - .500 +.008 -.001 .501 - .750 +.008 -.001	ENGR J. AMADO 12/01/96	
	MFG	
	Q.A.	
	G. SHACHAR 11/23/96	
	APPROVED J. KLEIN 11/23/96	
	DRAWN IN ACAD	

AeroAntenna Technology Inc
 AS9100 CERTIFIED CO.

TITLE
 GPS ANTENNA
 SEXTANT PORT

SIZE B	CAGE CODE OUVG2	DRAWING NO. AT575-83	REV F
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SCALE NONE I: \CAD\AT575\83\AT575-83_F SHEET 1 OF 1

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