

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
G	REVISE PER ECO 8891	08/18/09	
ADDED TSO LABEL			

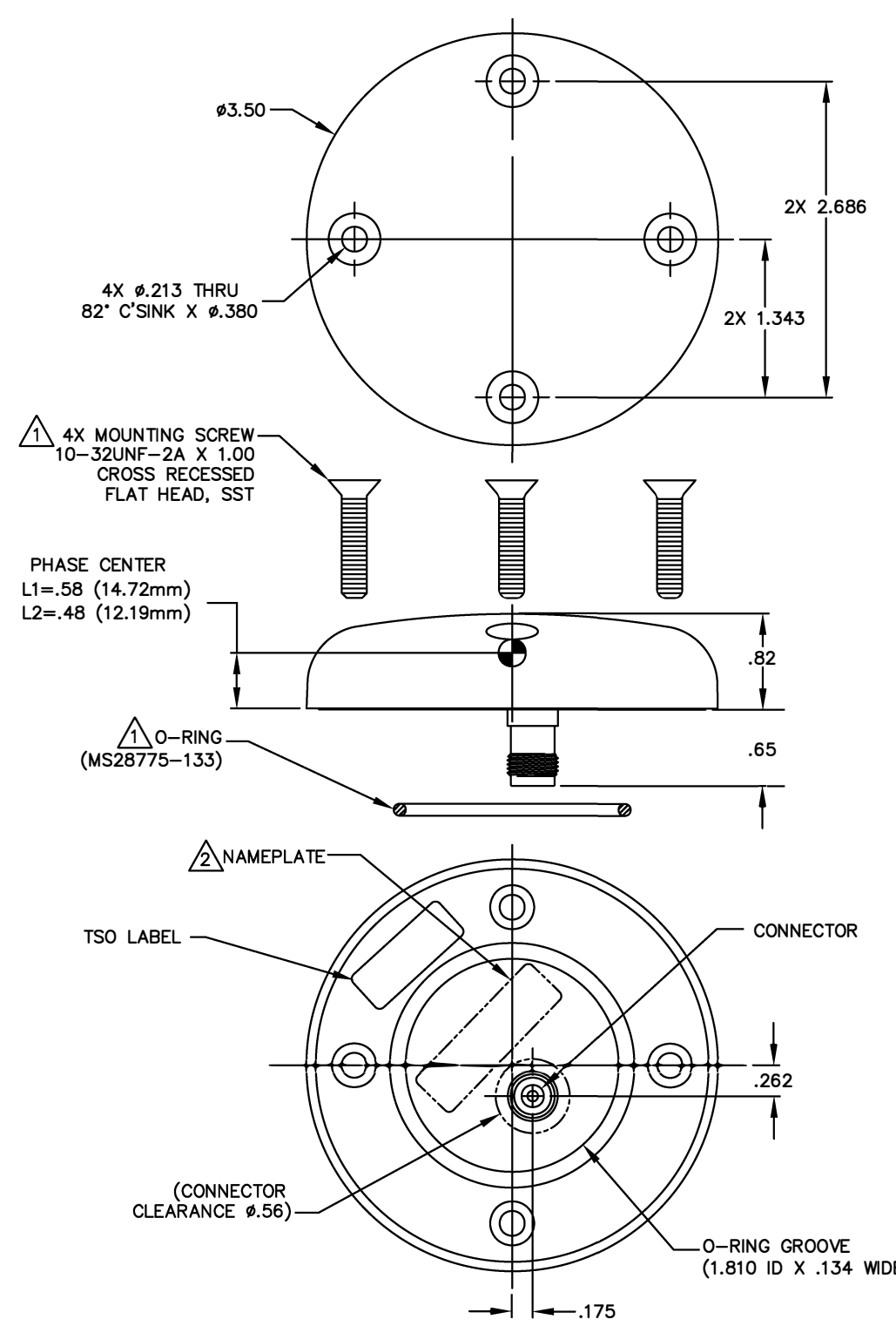


NOTES: UNLESS OTHERWISE SPECIFIED.

1 O-RING AND MOUNTING SCREWS, SUPPLIED BY AEROANTENNA.

2 SIZE, SHAPE, CONTENTS AND LOCATION OF NAMEPLATE ARE SUBJECT TO CHANGE WITHOUT NOTICE.

3. TOLERANCE: .XX = .03
.XXX = .010



SPECIFICATION:

FREQUENCY: 1227 ± 10 MHz & 1575 ± 10 MHz

POLARIZATION: RIGHT HAND CIRCULAR

AXIAL RATIO: 3.0 dB MAX

RADIATION COVERAGE: 4.0 dBic $\theta = 0^\circ$
-1.0 dBic $0^\circ < \theta < 75^\circ$
-2.5 dBic $75^\circ \leq \theta < 80^\circ$
-4.5 dBic $80^\circ \leq \theta < 85^\circ$
-7.5 dBic $\theta = 90^\circ$

AMPLIFIER: SPECIFY WHEN ORDERING

GAIN: 3.0 dB MAX

NOISE FIGURE: SPECIFY WHEN ORDERING

VOLTAGE: SPECIFY WHEN ORDERING

LOAD CURRENT: 50 ± 10 mA

IMPEDANCE: 50 OHMS

VSWR: $\leq 2.0:1$

BAND REJECTION: 45 dB @ 50 MHz

CONNECTOR: SPECIFY WHEN ORDERING

WEIGHT: 8.0 OZ MAX

MATERIAL: A380 ALUMINUM ALLOY-CASTING
ULTEM 2200 RADOME

FINISH: WEATHERABLE POLYMER

ALTITUDE: 70,000'

OPERATING TEMP: -55°C TO +85°C

TSO: C144

DESIGNED TO: DO-160D
ENV CAT: E1-ABB[S(CLMY)U(F1)]XSFDZSAAZYH[A3][2A]CX

PART NO. DESIGNATION:

AT2775-16X-XXXX-XXX-XX-XX-XX

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

MAGNET: NM = NO MAGNET

GAIN (± 2 db): 00 = PASSIVE, 26 = 26 dB (35 mA), 36 = 36 dB (50 mA), XX = OTHER

VOLTAGE: 00 = PASSIVE, 3.3 = 3 VDC, 05 = 5 VDC, RG = 5 - 18 VDC, XX = OTHER

CABLE LENGTH: 000 = IN INCHES

STANDARD MODEL= AT2775-16W-TNCF-000-RG-36-NM

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DO NOT SCALE THIS DRAWING	DRAWN	T. JEENSALUTE	02/17/97
REMOVE BURRS AND BREAK SHARP EDGES:	CHECKED		
PART TO BE CLEAN AND OIL FREE	ENGR	A. DEVERA	06/05/98
ALL DIMENSIONS ARE IN INCHES	MFG	DANNY LEVY	06/05/98
DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994	Q.A.	B. RUBENI	06/05/98
TOLERANCES:	APPROVED	G. SHAR	06/05/98
XX - $\pm .01$ FRACT = $\pm 1/32$	DRAWN IN	CAD	
XXX - $\pm .005$ ANG. = $\pm 1/2^\circ$			
✓ SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32			
HOLE DIA. TOLERANCE			
.0135 - .125 +.001/-0.001			
.126 - .250 +.005/-0.001			
.251 - .500 +.008/-0.001			
.501 - .750 +.008/-0.001			

AeroAntenna Technology Inc
AS9100 CERTIFIED CO.

TITLE: GPS ANTENNA

SIZE: B CAGE CODE: OUVG2 DRAWING NO.: AT2775-16 REV: G

SCALE: NONE I:\CAD\AT2775\16\AT2775-16_G SHEET 1 OF 1

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