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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
B	UPDATE PER ECO 7958	01/17/08	

NOTES: UNLESS OTHERWISE SPECIFIED.

- 1 O-RING, FLAT GASKET AND MOUNTING SCREWS, SUPPLIED BY AEROANTENNA.
- 2 SIZE, SHAPE AND CONTENTS OF NAMEPLATE ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- 3 LOGO OPTIONAL.
- 4. TOLERANCE: .XX = .03
.XXX = .010

SPECIFICATION:

FREQUENCY: 1227 ±10 MHz & 1575 ±10 MHz
 POLARIZATION: RIGHT HAND CIRCULAR
 AXIAL RATIO: 3.0 dB MAX @ BORESIGHT
 RADIATION COVERAGE: 4.0 dBic @ θ = 0°
 -1.0 dBic 0° < θ < 75°
 -2.5 dBic 75° ≤ θ < 80°
 -4.5 dBic 80° ≤ θ < 85°
 -7.5 dBic θ = 90°

AMPLIFIER:
 GAIN: SPECIFY WHEN ORDERING
 NOISE FIGURE: 3.0 dB MAX
 VOLTAGE: SPECIFY WHEN ORDERING

LOAD CURRENT: 35 ±10 mA
 IMPEDANCE: 50 OHMS
 VSWR: ≤2.0:1
 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
 DESIGNED TO: DO-160D (ENV CAT: E1-ABB[CLMY]XSFDFSZAAZYH[A3][2A]CX)



PART NO. DESIGNATION:

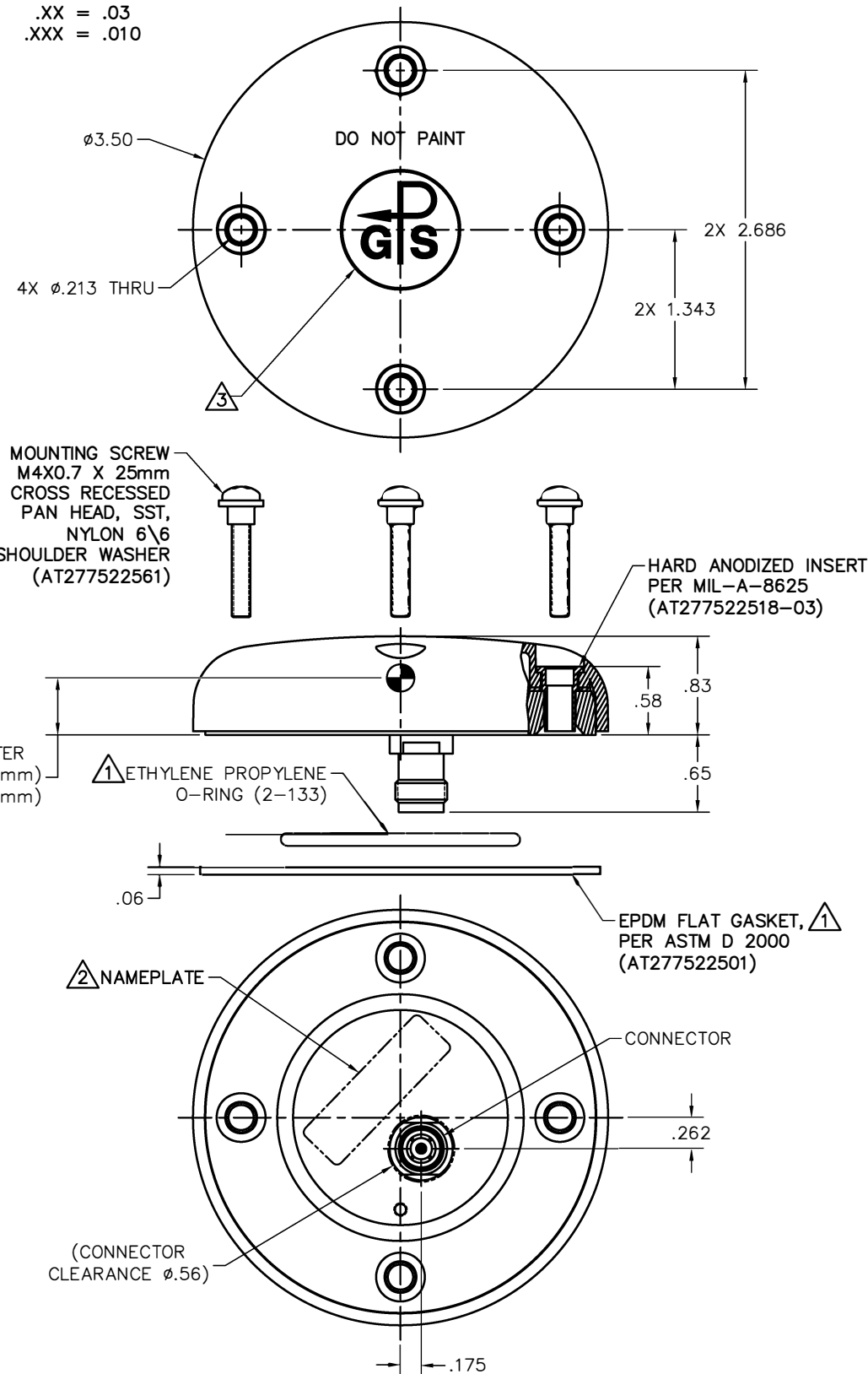
AT2775-225X-XXXX-XXX-XX-XX-XX

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 (20 mA), 26 = 26 db (35 mA), 40 = 40 db (50 mA), XX = OTHER
 VOLTAGE: 00 = PASSIVE, 3.3 = 3 VDC, 05 = 5 VDC, RG = 5 - 18 VDC, XX = OTHER

STANDARD MODEL= AT2775-2250-TNCF-000-3.3-26-NM

03-9243358 פקס • 03-9243352 טל • 7042 פ"ת • ת.ד. 14, אודם 14
 www.hypertech.co.il • sales@hypertech.co.il



DO NOT SCALE THIS DRAWING	DRAWN	J. GUITIERREZ	12/19/07
REMOVE BURRS AND BREAK SHARP EDGES:	CHECKED	STEVE VALDES	12/19/08
PART TO BE CLEAN AND OIL FREE	ENGR	A. DEVERA	12/19/07
ALL DIMENSIONS ARE IN INCHES	MFG	D. LEVY	12/19/07
DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994	Q.A.	B. RUBENI	12/19/07
TOLERANCES:	APPROVED	YOUSI ZADEH	01/17/08
±.01 FRACT = ±1/32	DRAWN IN	ACAD	
±.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: B CAGE CODE: OUVG2 DRAWING NO.: AT2775-225 REV: B

SCALE: NONE I:\CAD\AT2775\225\AT2775-225_B SHEET 1 OF 1