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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
B	SEE ECO 8338	07/28/08	

NOTES: UNLESS OTHERWISE SPECIFIED.

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

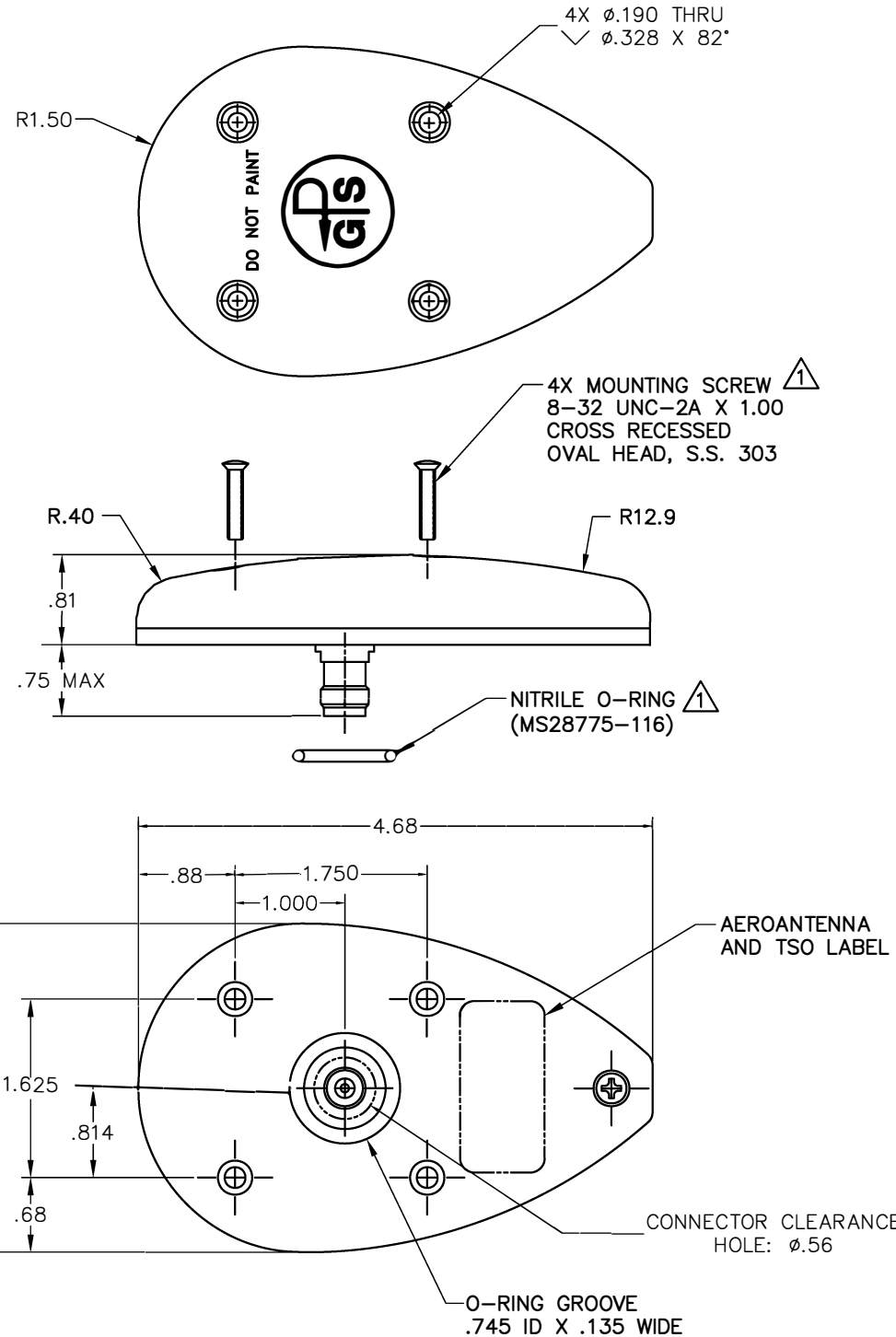
SPECIFICATION:

FREQUENCY: 1575.42 ±10.23 MHz
 POLARIZATION: RIGHT HAND CIRCULAR
 AXIAL RATIO: 3 dB MAX AT BORE SIGHT
 RELATIVE RADIATION COVERAGE: PER DO-301

AMPLIFIER:
 GAIN: 29.5± 3 dB
 NOISE FIGURE: 2.5 dB MAX. @ 25°C
 IMPEDANCE: 50 OHMS
 VSWR: ≤1.5:1
 POWER HANDLING: 1 WATT
 VOLTAGE: 4.5-15 VDC
 CURRENT: 60 mA MAX

FINISH: WHITE, WEATHERABLE POLYMER
 CONNECTOR: TNCF
 WEIGHT: 7.5 OZ
 ALTITUDE: 55,000'
 OPERATING TEMP: -55°C TO +70°C
 STORAGE TEMP: -55°C TO +85°C
 DESIGNED TO: DO-160E,
 ENV CAT: F2-AB[BD][S(CLMY)U(FF1)]X[SY]FSXSZXXX[ZCZW]YH[A4J44][2A]CAC
 RTCA/DO-301

TSO: C190



PART NO. DESIGNATION:
 AT575-493XXX-XXXX-XXX-XX-XX-XX

CUSTOMER ID (IF APPLICABLE)

COLOR W = WHITE

CONNECTOR TNCF = TNC FEMALE

CABLE LENGTH *000 = IN INCHES

* = OPTION NOT AVAILABLE WITH THIS MODEL
 STANDARD MODEL= AT575-493W-TNCF-000-RG-29.5-NM

MAGNET NM = NO MAGNET
 GAIN (± 3 db) 29.5 = 29.5 db (60 mA MAX)
 VOLTAGE RG = 4.5-15 VDC



DO NOT SCALE THIS DRAWING		DRAWN	08/23/07	AeroAntenna Technology Inc	
REMOVE BURRS AND BREAK SHARP EDGES: PART TO BE CLEAN AND OIL FREE		J. GUTIERREZ			
ALL DIMENSIONS ARE IN INCHES DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994		CHECKED	11-09-07	GPS ANTENNA	
TOLERANCES: XX ±.01 FRACT = ±1/32 XXX ±.005 ANG. = ±1/2°		ANTHONY D.			
✓ SURFACE ROUGHNESS MACHINED PARTS V63 MOLDDED PARTS V32		ENGR	11-09-07	TITLE	
HOLE DIA. TOLERANCE		KRIT R.			
.0135 - .125 ±.004 -.001		MFG	11-09-07	SIZE CAGE CODE DRAWING NO. REV	
.126 - .250 +.005 -.001		D. LEVY			
.251 - .500 +.008 -.001		Q.A.	11-09-07	B OUVG2 AT575-493 B	
.501 - .750 +.008 -.001		B. RUBENI			
NEXT ASSY		APPROVED	11-09-07	SCALE NONE I:\CAD\AT575\493\AT575-493_B SHEET 1 OF 1	
		G. SHAR			
		DRAWN IN MCAD			