

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
B	UPDATE PER ECO 10497	12/13/12	
REMOVED "ASHTECH" LOGO FROM RADOME			

- NOTES: UNLESS OTHERWISE SPECIFIED.
- 1 O-RING #2-156 AND MOUNTING HARDWARE SUPPLIED BY AEROANTENNA.
 - 2 LABEL SIZE, SHAPE AND CONTENTS SUBJECT TO CHANGE WITHOUT NOTICE.
 - 3. TOLERANCES: .XX = ±.03
.XXX = ±.010

SPECIFICATION:

FREQUENCY: 1525-1615.5 MHz L-BAND + GPS L1 + GLONASS (G1)
1217-1260 MHz GPS L2 + GLONASS (G2)

POLARIZATION: RIGHT HAND CIRCULAR

AXIAL RATIO: 3 dB MAX @ BORESIGHT

RADIATION COVERAGE: 6.0 dBic 0° = 0°
-2.0 dBic 0° < θ < 75°
-3.0 dBic 75° ≤ θ < 80°
-4.0 dBic 80° ≤ θ < 85°
-5.0 dBic HORIZON

AMPLIFIER:

NOISE FIGURE: 2.6 dB MAX

IMPEDANCE: 50 OHMS

VSWR: ≤2.0:1

BAND REJECTION: 20 dB @ 250 MHz

POWER HANDLING: 1 WATT

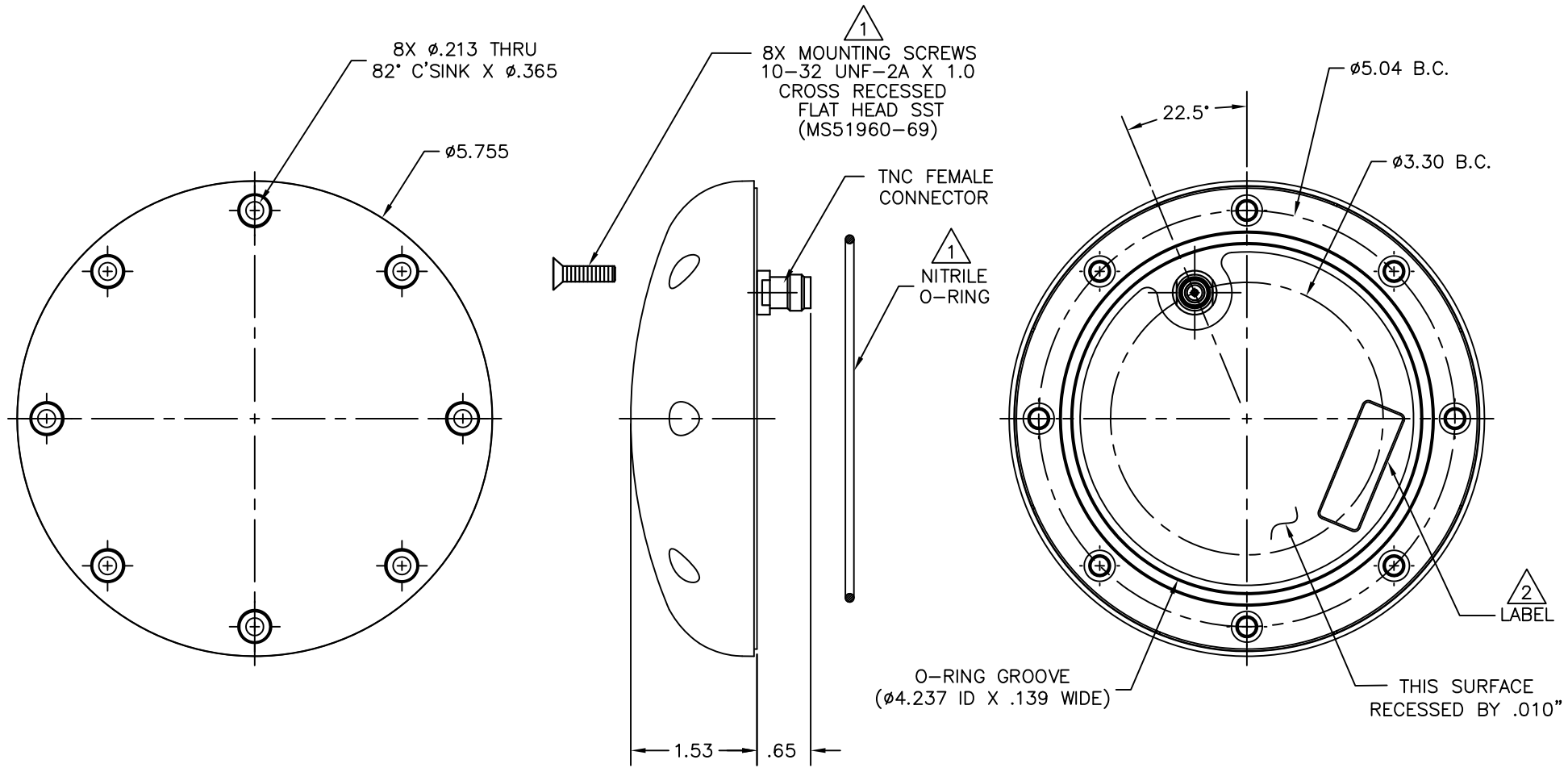
FINISH: FLUID RESISTANT

WEIGHT: 1.0 LBS. MAX

ALTITUDE: 70,000'

OPERATING TEMP: -55°C TO +85°C

DESIGNED TO: DO-160D
ENV CAT: E1-ABB[CLMY]XSFDZAAACPH[A3][2A]CA



PART NO. DESIGNATION:

AT1675-32AX-XXXX-XXX-XX-XX-XX-X

CUSTOMER: A = ASHTECH

COLOR: W = WHITE

CONNECTOR: TNCF = TNC FEMALE

CABLE LENGTH: 000 = IN INCHES

RoHS: R = RoHS COMPLIANT

MAGNET: NM = NO MAGNET

GAIN (± 2 dB): 38 = 38 dB (65 mA), XX = OTHER

VOLTAGE: RG = 4.2 TO 15.0 VDC

STANDARD MODEL= AT1675-32AW-TNCF-000-RG-38-NM-R

DO NOT SCALE THIS DRAWING	DRAWN	A. GUTIERREZ	04/05/10
REMOVE BURRS AND BREAK SHARP EDGES:	CHECKED	S. VALDES	04/09/10
PART TO BE CLEAN AND OIL FREE	ENGR	S. VALDES	04/09/10
ALL DIMENSIONS ARE IN INCHES	MFG	D. LEVY	04/09/10
DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994	Q.A.	B. RUBENI	04/08/10
TOLERANCES:	APPROVED	Y. ZADEH	04/09/10
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			



TITLE			
ANTENNA, GNSS			
SIZE	CAGE CODE	DRAWING NO.	REV
B	OUVG2	AT1675-32A	B
SCALE	I:\CAD\AT1675\32A\AT1675-32A_B		SHEET 1 OF 1

NEXT ASSY

AT1675-32A

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