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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
2	ENGINEERING RELEASE	03/23/09	

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

PRELIMINARY

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: D0-160D  
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

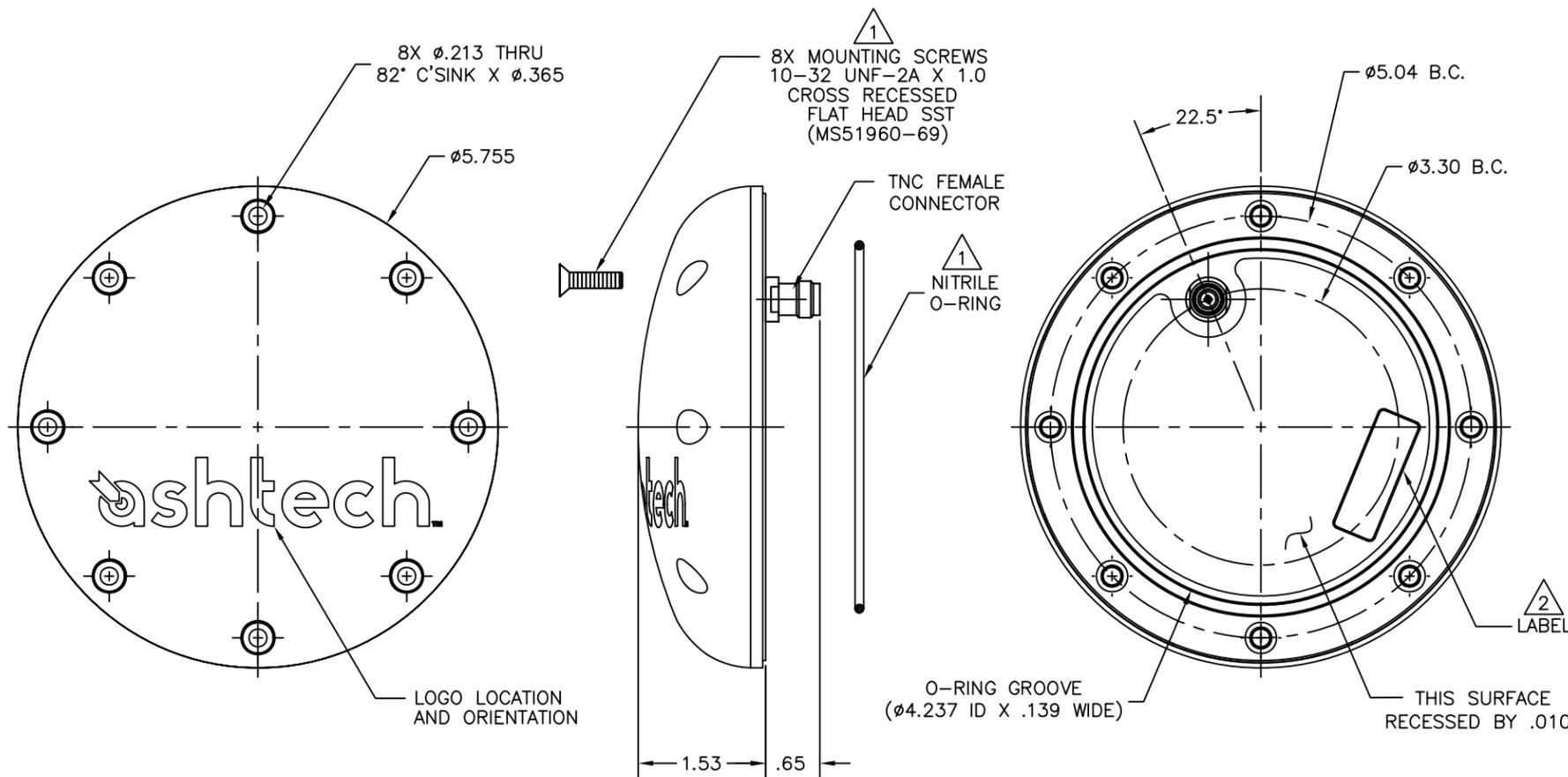
RoHS  
R = RoHS COMPLIANT

MAGNET  
NM = NO MAGNET

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

VOLTAGE  
RG = 4.2 TO 15.0 VDC

\* = OPTION NOT AVAILABLE WITH THIS MODEL  
STANDARD MODEL= AT1675-32AW-TNCF-000-RG-38-NM-R



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 V. GRINEVICH 03/23/10	 <p>AeroAntenna Technology Inc AS9100 CERTIFIED CO.</p>	
✓ SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32		CHECKED		
HOLE DIA. TOLERANCE		ENGR	TITLE ANTENNA, GNSS	
.0135 - .125 +.004 -.001		MFG		
.126 - .250 +.005 -.001		Q.A.	SIZE CAGE CODE DRAWING NO. REV B OUVG2 AT1675-32A 2	
.251 - .500 +.006 -.001		APPROVED		
.501 - .750 +.008 -.001		DRAWN IN CAD	SCALE NONE I:\CAD\AT1675\32A\AT1675-32A_2 SHEET 1 OF 1	
NEXT ASSY				

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AT1675-32A

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