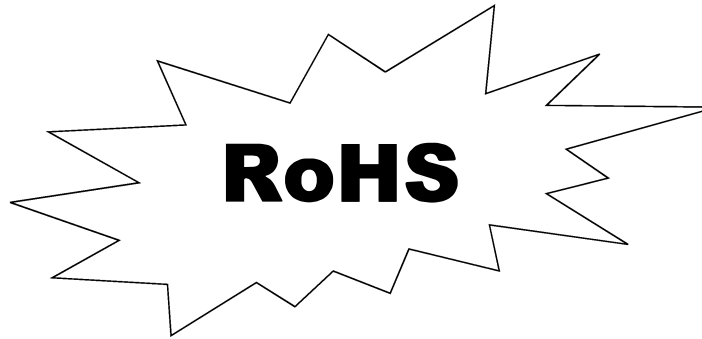


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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
B	UPDATED PER ECO 8732	04/08/09	
4	ADDED DIMENSION TO SPECIFY CONNECTOR LOCATION		

NOTES: UNLESS OTHERWISE SPECIFIED.

- 1 O-RING #2-156 SUPPLIED BY AEROANTENNA.
- 2 LABEL SIZE, SHAPE AND CONTENTS SUBJECT TO CHANGE WITHOUT NOTICE.
- 3. TOLERANCES: .XX ± .03
.XXX ± .010
- 4. SYMBOL ⊕ INDICATES CHANGES SINCE LAST REVISION.



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
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]XSFDZSAAACPH[A3][2A]CA



PART NO. DESIGNATION:

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

COLOR
W = WHITE

CONNECTOR
SMAF = SMA FEMALE
TNCF = TNC FEMALE

CABLE LENGTH
* 000 = IN INCHES

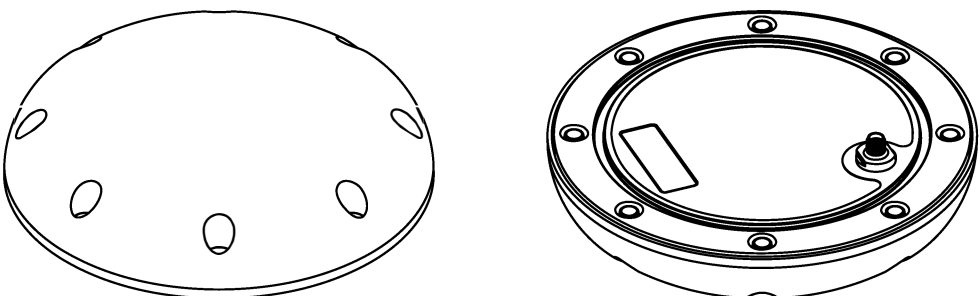
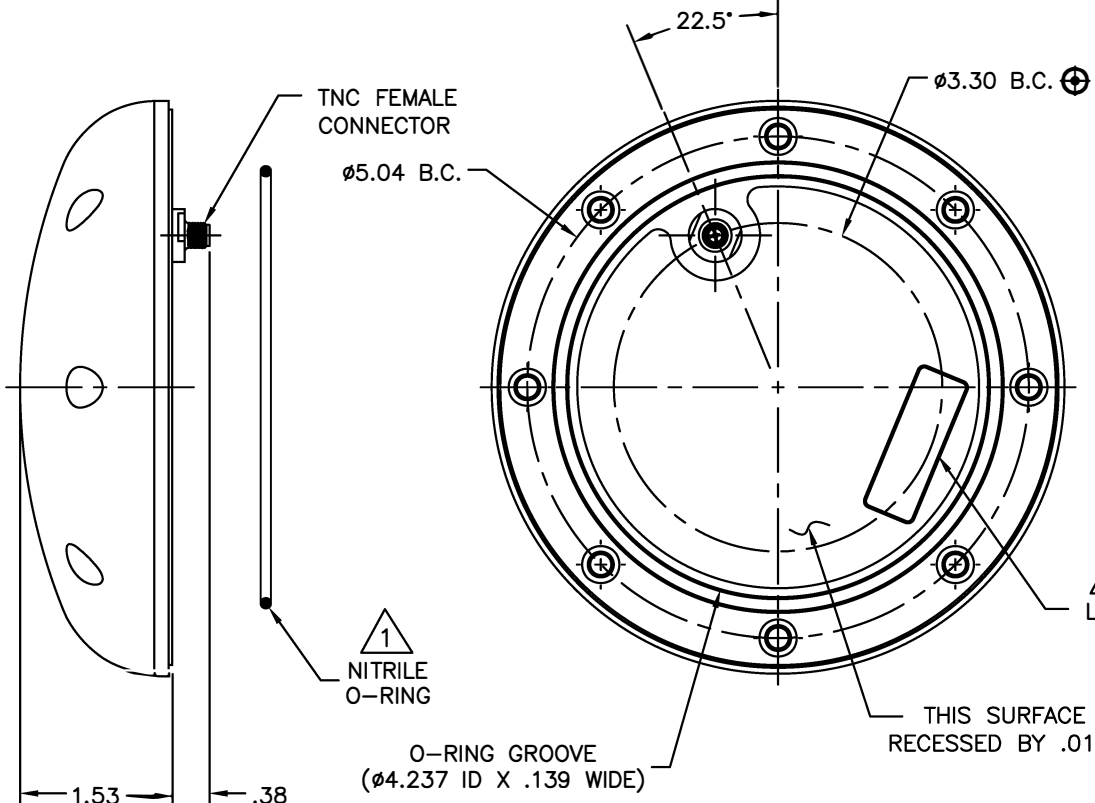
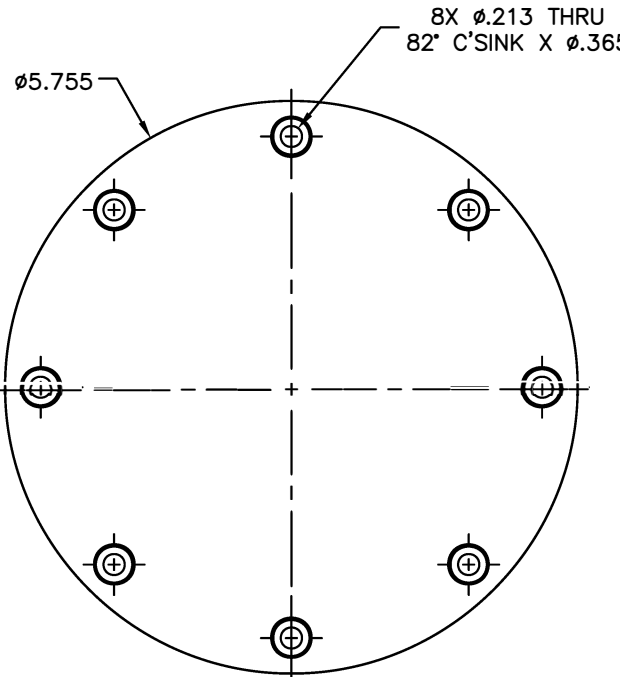
RoHS
R = RoHS COMPLIANT

MAGNET
NM = NO MAGNET

GAIN (± 2 dB)
26 = 26 dB (40 mA)
38 = 38 dB (60 mA)
XX = OTHER

VOLTAGE
RG = 4.2 TO 15.0 VDC

* = OPTION NOT AVAILABLE WITH THIS MODEL
STANDARD MODEL= AT1675-32W-SMAF-000-RG-26-NM-R



3D REFERENCES

DO NOT SCALE THIS DRAWING	DRAWN	J. GUTIERREZ	08/14/08
REMOVE BURRS AND BREAK SHARP EDGES:	CHECKED		
PART TO BE CLEAN AND OIL FREE	ENGR	E. NABOYSHCHIKOV	12/18/08
ALL DIMENSIONS ARE IN INCHES DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994	MFG	DANNY LEVY	12/12/08
TOLERANCES:	Q.A.	B. RUBENI	12/18/08
∅K ±.01 FRACT = ±1/32	APPROVED	YOUSSI Z.	01/08/09
∅K ±.005 ANG. = ±1/2°	DRAWN IN	MCAD	
✓ SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32			
HOLE DIA. TOLERANCE			
.0135 - .125 +.004/-0.01			
.26 - .250 +.005/-0.01			
.251 - .500 +.008/-0.01			
.501 - .750 +.008/-0.01			

AeroAntenna Technology Inc
AS9100 CERTIFIED CO.

TITLE: ANTENNA, GPS L1/L2, GLONASS G1/G2 AND L-BAND

SIZE: B CAGE CODE: OUVG2 DRAWING NO.: AT1675-32 REV: B

SCALE: NONE I:\CAD\AT1675\32\AT1675-32_B SHEET 1 OF 1

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AT1675-32