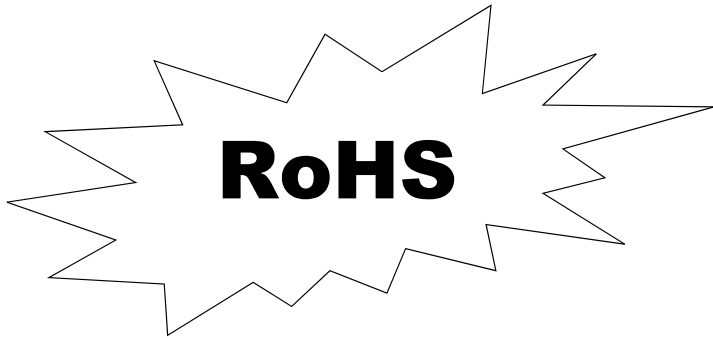


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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
4	ENGINEERING RELEASE	11/25/08	

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

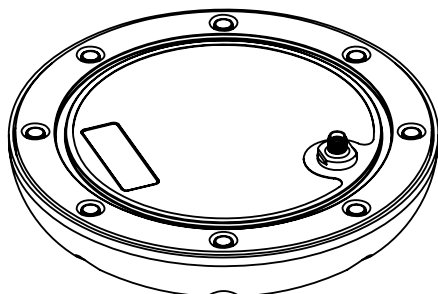
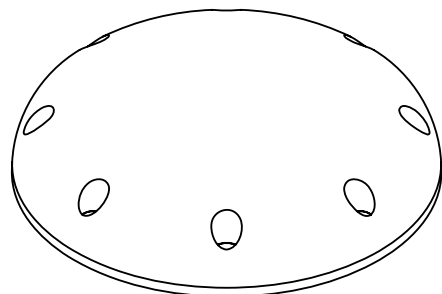



SPECIFICATION:	
FREQUENCY:	1525-1615.5 MHz (L + GPS L1 + GLONASS "G1") 1217-1260 MHz (GPS L2 + GLONASS "G2")
POLARIZATION:	RIGHT HAND CIRCULAR
AXIAL RATIO:	3 dB MAX
RADIATION COVERAGE:	6.0 dBic 0° = 0° -2.0 dBic 0° < θ < 75° -3.0 dBic 75° ≤ θ < 80° -4.0 dBic 80° ≤ θ < 85° -5.0 dBic HORIZON
AMPLIFIER:	
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]XSFDfSZAAACPH[A3][2A]CA

PART NO. DESIGNATION:	
AT1675-32X-XXXX-XXX-XX-XX-XX-X	
COLOR	RoHS
W = WHITE	R = RoHS COMPLIANT
CONNECTOR	MAGNET
TNCF = TNC FEMALE	NM = NO MAGNET
BNCM = BNC MALE	
SMAF = SMA FEMALE	GAIN (± 2 dB)
	26 = 26 dB (40 mA)
	38 = 38 dB (60 mA)
	XX = OTHER
CABLE LENGTH	VOLTAGE
* 000 = IN INCHES	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 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 11/25/08	 <i>AeroAntenna Technology Inc</i> AS9100 CERTIFIED CO.	
✓ SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32		CHECKED		
HOLE DIA. TOLERANCE		ENGR B. EATON 11/25/08	TITLE ANTENNA, GPS L1/L2, GLONASS G1/G2 AND L-BAND	
.0135 - .125 +.004 -.001		MFG	SIZE B	
.126 - .250 +.005 -.001		Q.A.	CAGE CODE OUVG2	
.251 - .500 +.006 -.001		APPROVED	DRAWING NO. AT1675-32	
.501 - .750 +.008 -.001		DRAWN IN MCAD	REV 4	
NEXT ASSY		SCALE NONE	I: \CAD\AT1675\ -32\AT1675-32_4	
			SHEET 1 OF 1	