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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE PER ECO 8563	12/12/08	

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

RoHS

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 $0^\circ = 0^\circ$ -2.0 dBic $0^\circ < \theta < 75^\circ$ -3.0 dBic $75^\circ \leq \theta < 80^\circ$ -4.0 dBic $80^\circ \leq \theta < 85^\circ$ -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]XSFDFSZAAACPH[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

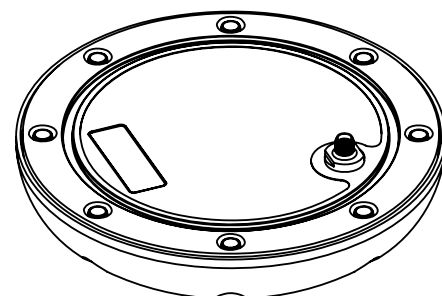
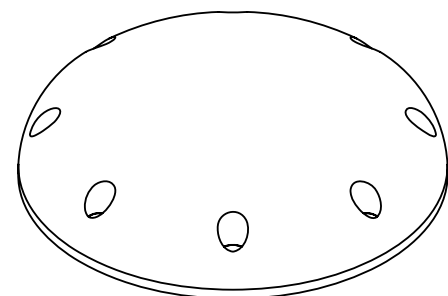
MAGNET
NM = NO MAGNET

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	 AeroAntenna Technology Inc AS9100 CERTIFIED CO.					
	REMOVE BURRS AND BREAK SHARP EDGES: PART TO BE CLEAN AND OIL FREE	J. GUTIERREZ						08/14/08
	ALL DIMENSIONS ARE IN INCHES DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994	CHECKED		TITLE ANTENNA, GPS L1/L2, GLONASS G1/G2 AND L-BAND				
	TOLERANCES: .XX - $\pm .01$ FRACT = $\pm 1/32$ XXX - $\pm .005$ ANG. = $\pm 1/2^\circ$	ENGR E. NABOYSHCHIKOV	12/18/08					
	✓ SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32	MFG DANNY LEVY	12/12/08					
	HOLE DIA. TOLERANCE	Q.A. B. RUBENI	12/18/08					
	.0135 - .125 $\begin{smallmatrix} +.004 \\ -.001 \end{smallmatrix}$	APPROVED	01/08/09	SIZE B	CAGE CODE OUVG2	DRAWING NO. AT1675-32	REV A	
	.126 - .250 $\begin{smallmatrix} +.005 \\ -.001 \end{smallmatrix}$	YOU SI Z.						
	.251 - .500 $\begin{smallmatrix} +.006 \\ -.001 \end{smallmatrix}$	DRAWN IN	MCAD	SCALE	NONE I: \CAD\AT1675\ -32\AT1675-32_A		SHEET 1 OF 1	
NEXT ASSY	.501 - .750 $\begin{smallmatrix} +.008 \\ -.001 \end{smallmatrix}$							