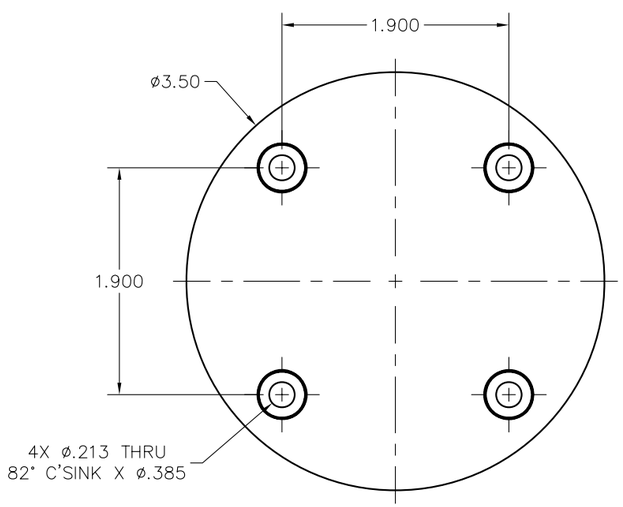
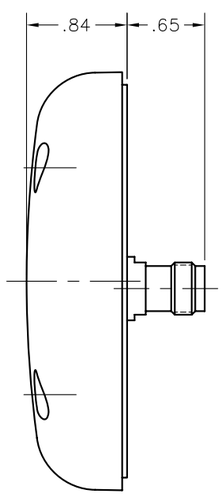
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE PERE EC09566	12/22/10	

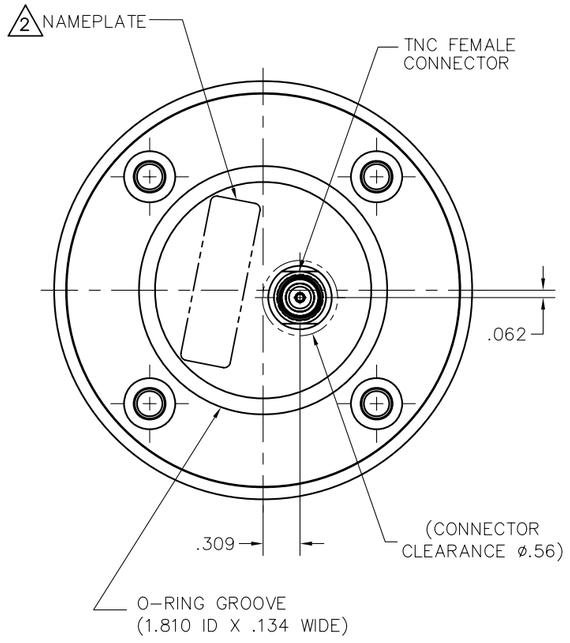
AT1675–116

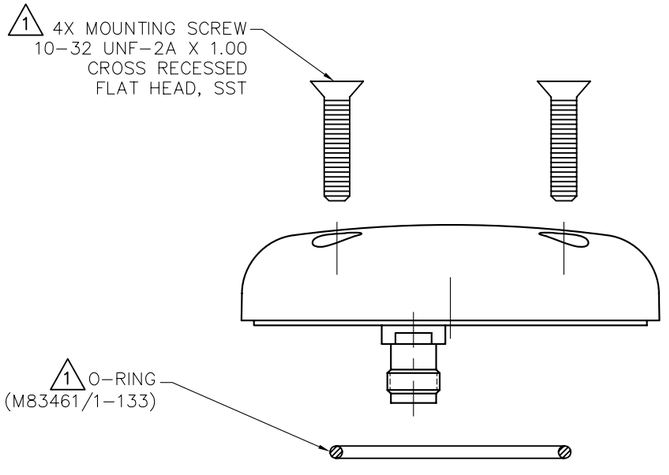
NOTES: UNLESS OTHERWISE SPECIFIED.

1. O–RING AND MOUNTING SCREWS SUPPLIED BY AEROANTENNA.
2. LABEL SIZE, SHAPE, CONTENTS AND LOCATION ARE SUBJECT TO CHANGE WITHOUT NOTICE.
3. TOLERANCES: .XX = ±.03
   .XXX = ±.010









SPECIFICATION:

FREQUENCY: COMPASS (B1), GPS (L1), GLONASS (G1)	1551–1615 MHz
POLARIZATION:	RIGHT HAND CIRCULAR
AXIAL RATIO:	3 dB MAX AT BORESIGHT
AMPLIFIER:	
NOISE FIGURE:	2.5 dB MAX
IMPEDANCE:	50 OHMS
VSWR:	≤2.0:1
BAND REJECTION:	20 dB @ 250 MHz
POWER HANDLING:	1 WATT
FINISH:	UV RESISTANT, HIGH IMPACT THERMOPLASTIC
WEIGHT:	200 g
ALTITUDE:	55,000'
OPERATING TEMP:	–55°C TO +85°C

APPROVED DOCUMENT 12/23/10

PART NO. DESIGNATION:

AT1675–116XXX–XXXX–XXX–XX–XX–XX–R

- CUSTOMER ID (IF APPLICABLE)
- COLOR: W = WHITE
- CONNECTOR: TNCF = TNC FEMALE; SMAF = SMA FEMALE
- CABLE LENGTH: * 000 = IN INCHES
- VOLTAGE: RG = 4.5 TO 18.0 VDC
- GAIN (± 2 dB): 43 = 43 dB (TBD mA)
- MAGNET: NM = NO MAGNET
- RoHS

* = OPTION NOT AVAILABLE WITH THIS MODEL

STANDARD MODEL= AT1675–116W–TNCF–000–RG–43–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~~ ~~.XXX = ±.005~~ FRACT = ±1/32 ANG. = ±1/2'	
√ SURFACE ROUGHNESS MACHINED PARTS √63 MOLDED PARTS √32	

HOLE DIA.	TOLERANCE
.0135 – .125	+.004 –.001
.126 – .250	+.005 –.001
.251 – .500	+.006 –.001
.501 – .750	+.008 –.001

NEXT ASSY

DRAWN	V. GRINEVICH	11/29/10
CHECKED	A. KALENTS	11/29/10
ENGR	S. VALDES	11/29/10
MFG	DANNY LEVY	12/23/10
Q.A.	B. RUBENI	12/23/10
APPROVED	YOUSI ZADEH	12/23/10
DRAWN IN	CAD	

AeroAntenna Technology Inc
AS9100 CERTIFIED CO.

TITLE: COMPASS/GPS/GLONASS ANTENNA

SIZE	CAGE CODE	DRAWING NO.	REV
B	0UVG2	AT1675–116	A

SCALE NONE | I:\CAD\AT1675\–116\AT1675–116_A | SHEET 1 OF 1

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