

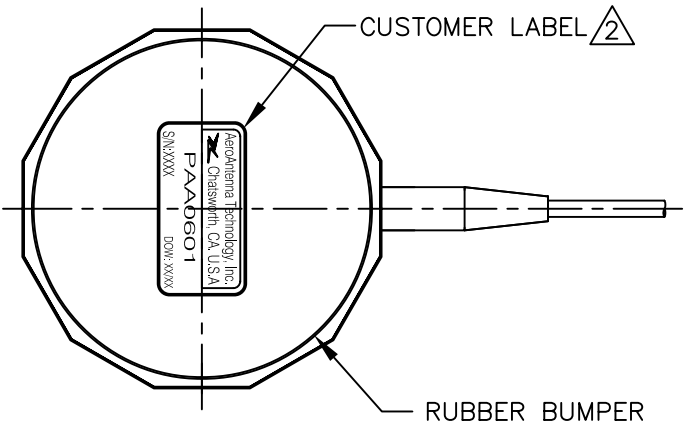
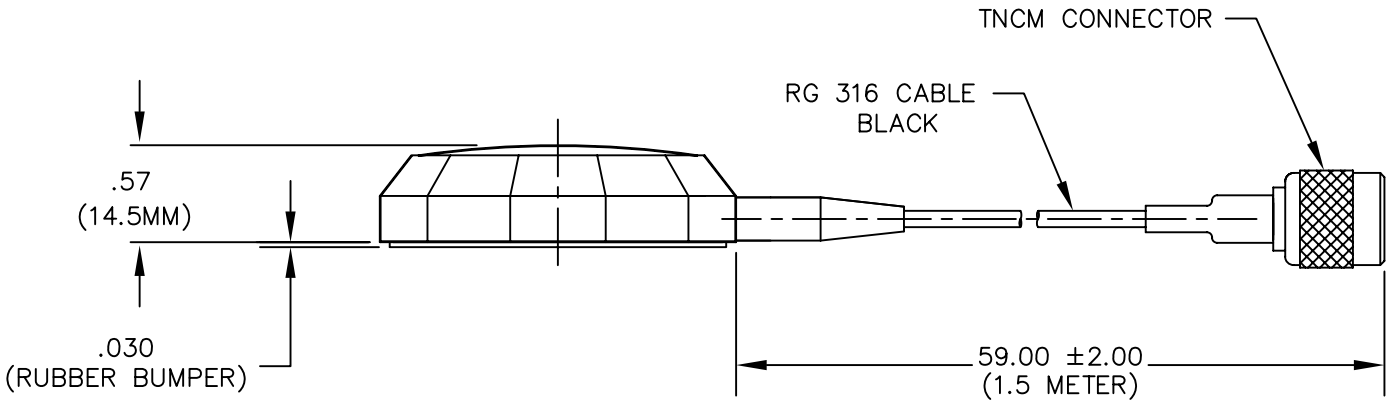
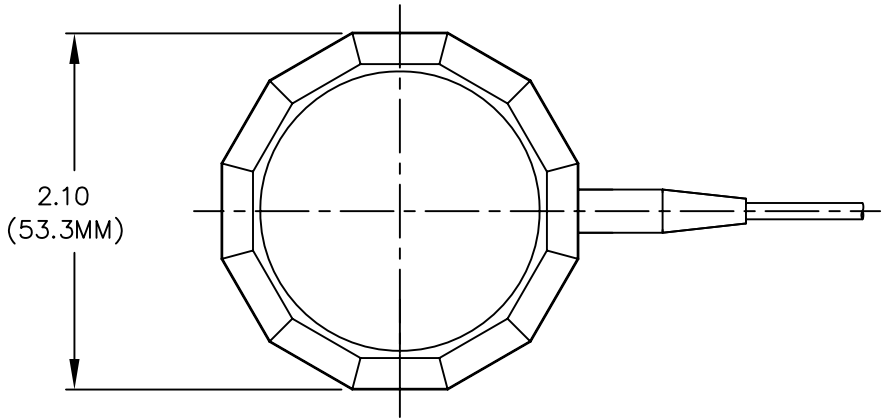
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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
B	REVISE PER ECO 8285	07/02/08	

NOTES: UNLESS OTHERWISE SPECIFIED

1. TOLERANCES: .XX = $\pm .03$
.XXX = $\pm .010$

 LABEL SIZE, SHAPE AND CONTENTS SUBJECT TO CHANGE WITHOUT NOTICE.



SPECIFICATION:

FREQUENCY: 1616-1626 MHz
POLARIZATION: RIGHT HAND CIRCULAR
AXIAL RATIO: 3 dB MAX
RADIATION COVERAGE: 4.0 dBic 0° = 0°
0 dBic 0° < θ < 60°
-4.0 dBic 60° ≤ θ ≤ 74°
-7.5 dBic 74° < θ ≤ 82°
IMPEDANCE: 50 OHMS
VSWR: ≤ 2.0:1
WEIGHT: 3.7 OUNCES
MATERIAL: RADOME-XENYOY, HIGH IMPACT
& TEMP.
ALTITUDE: 20,000'
OPERATING TEMP: -40°C TO +85°C



PART NO. DESIGNATION:

AT1621-7IB-TNCM-059-00-00-IM-R
CUSTOMER I = IRIDIUM SATELLITE LLC
COLOR B = BLACK
CONNECTOR TNCM = TNC MALE
CABLE LENGTH 059 = IN INCHES
RoHS R = RoHS COMPLIANT
MAGNET IM = INTERNAL
GAIN (± 2 db) 00 = PASSIVE
VOLTAGE 00 = PASSIVE

STANDARD MODEL= AT1621-7IB-TNCM-059-00-00-IM-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 = $\pm .01$ FRACT = $\pm 1/32$.XXX = $\pm .005$ ANG. = $\pm 1/2^\circ$	DRAWN A. DEVERA	02/13/06	 AS9100 CERTIFIED CO.		
	✓ SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32	CHECKED E. ZELAYA	03/07/06			
	HOLE DIA. TOLERANCE	ENGR A. DEVERA	03/02/06	TITLE IRIDIUM ANTENNA, RoHS COMPLIANT		
	.0135 - .125 +.004 -.001	MFG D. LEVY	03/07/06			
	.126 - .250 +.005 -.001	Q.A. B. RUBENI	03/06/06	SIZE B	CAGE CODE OUVG2	DRAWING NO. AT1621-7I
	.251 - .500 +.006 -.001	APPROVED G. SHAR	03/02/06	SCALE NONE	I: \CAD\AT1621\ -07I\AT1621-7I_B	REV B
NEXT ASSY	.501 - .750 +.008 -.001	DRAWN IN ACAD		SHEET 1	OF 1	