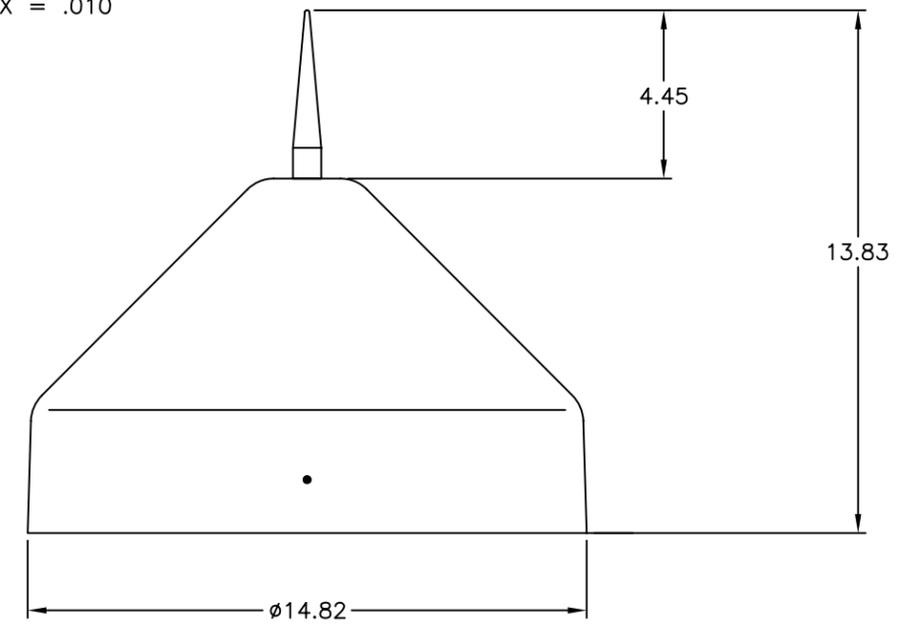


REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
B	UPDATE PER ECO 8924	09/18/09	

NOTES: UNLESS OTHERWISE SPECIFIED.

1. LOGO OPTIONAL.
2. LABEL SIZE, SHAPE, AND CONTENTS SUBJECT TO CHANGE WITHOUT NOTICE.
3. SEE SHIPPING PROCESS AND PARTS LIST FOR ASSEMBLY INSTRUCTION.
4. BAG AND PACK SPIKE SEPARATELY FOR SHIPPING.
5. TOLERANCES: .XX = .03  
.XXX = .010



SPECIFICATION:

FREQUENCY: 1525-1615 MHz L-Band, L1, Glonass (G1)  
1164-1260 MHz L2, Glonass (G2), L5 (Galileo)

POLARIZATION: RIGHT HAND CIRCULAR

AXIAL RATIO: 3 dB MAX @ BORESIGHT

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: 2.6 dB MAX

NOISE FIGURE: 50 OHMS

IMPEDANCE:  $\leq 2.0:1$

POWER HANDLING: 1 WATT

FINISH: UV RESISTANT POLYURETHANE ENAMEL, WHITE

WEIGHT: 10.5 LBS

OPERATING TEMP: -55°C TO +85°C

DESIGNED TO: D0-160D  
ENV CAT: E1-ABB[CLMY]XSFDFSZAAACPH[A3][2A]CA



PART NO. DESIGNATION:

AT1675-120W-NTPF-000-RG-39-NM-R

COLOR  
W = WHITE

CONNECTOR  
NTPF = N TYPE FEMALE  
TNCF = TNC FEMALE

CABLE LENGTH  
\* 000 = IN INCHES

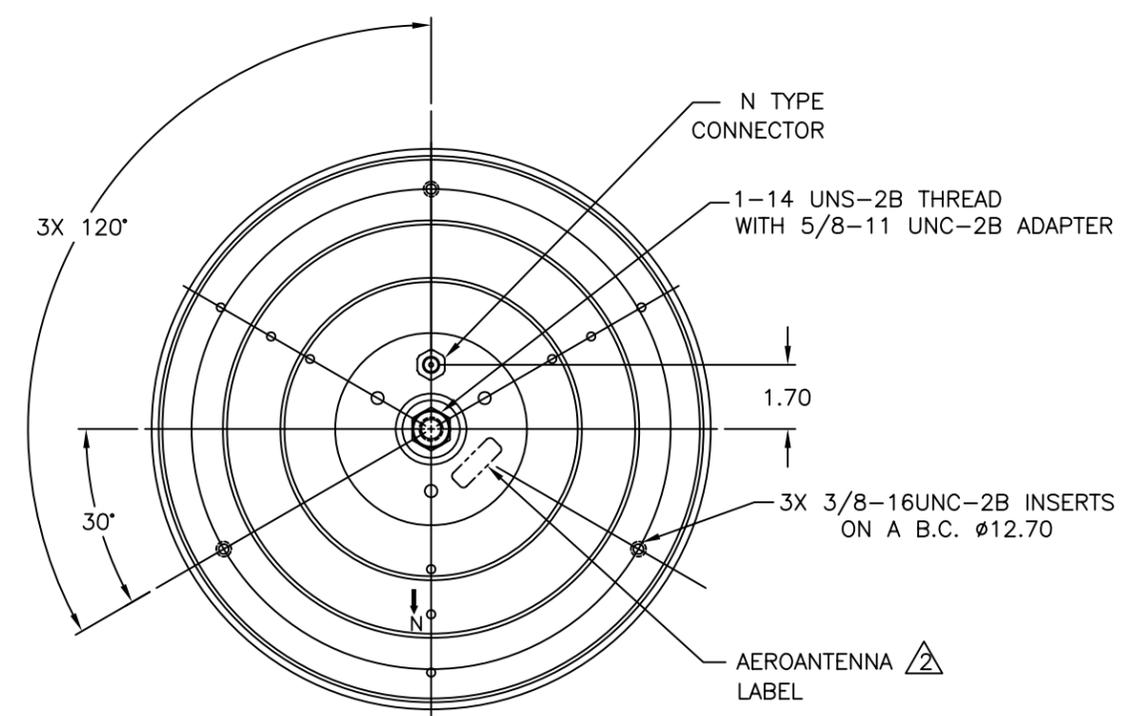
RoHS COMPLIANT  
R = RoHS COMPLIANT

MAGNET  
NM = NO MAGNET

GAIN ( $\pm 2$  dB)  
00 = PASSIVE  
39 = 39 dB (65 mA)

VOLTAGE  
RG = 4.2 TO 15.0 VDC

\* = OPTION NOT AVAILABLE WITH THIS MODEL  
STANDARD MODEL= AT1675-120W-NTPF-000-RG-39-NM-R



DO NOT SCALE THIS DRAWING	DRAWN	S. VALDES	01/26/09
REMOVE BURRS AND BREAK SHARP EDGES:	CHECKED		
PART TO BE CLEAN AND OIL FREE	ENGR	E. NABOYSHCHIKOV	04/27/09
ALL DIMENSIONS ARE IN INCHES	MFG	DANNY LEVY	05/05/09
DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994	Q.A.	B. RUBENI	05/05/09
TOLERANCES:	APPROVED	YOUSI Z.	05/05/09
.XX = $\pm .04$ FRACT = $\pm 1/32$	DRAWN IN	CAD	
.XXX = $\pm .005$ ANG. = $\pm 1/2^\circ$			
<input checked="" type="checkbox"/> SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32			
HOLE DIA.	TOLERANCE		
.0135 - .125	+ .004 - .001		
.126 - .250	+ .005 - .001		
.251 - .500	+ .006 - .001		
.501 - .750	+ .008 - .001		



TITLE			
GPS CHOKE RING ANTENNA L1+G1+L-BAND/L2+G2+L5			
SIZE	CAGE CODE	DRAWING NO.	REV
B	OUVG2	AT1675-120	B
SCALE	I:\CAD\AT1675\120\AT1675-120_B		SHEET 1 OF 1

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NEXT ASSY

AT1675-120