

REVISED BY:	DATE:	REVISIONS			
		SYM	DESCRIPTION	DATE	APPROVED
		A	PRODUCTION RELEASE PER ECO10924	10/08/13	

NOTES: UNLESS OTHERWISE SPECIFIED.  
 1. LOGO OPTIONAL.  
 LABEL SIZE, SHAPE, AND CONTENTS SUBJECT TO CHANGE WITHOUT NOTICE.  
 3. TOLERANCES: .XX = ±.03  
 .XXX = ±.010  
 REFERENCE DOCUMENTS:  
 INSTALLATION/CONN SEALING APS1027

**SPECIFICATION:**

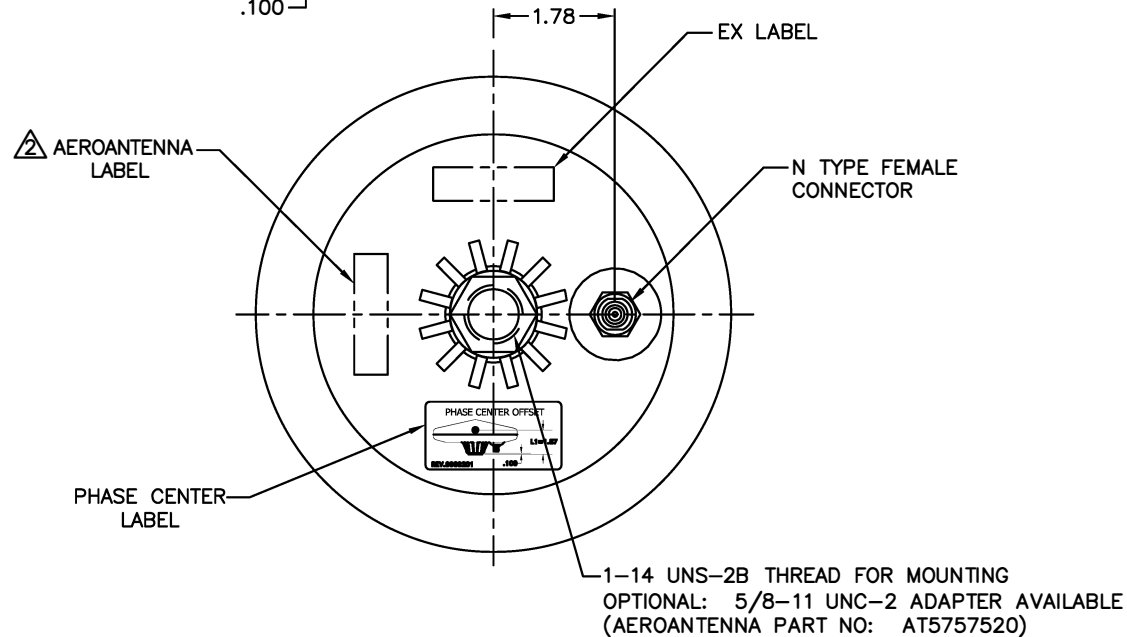
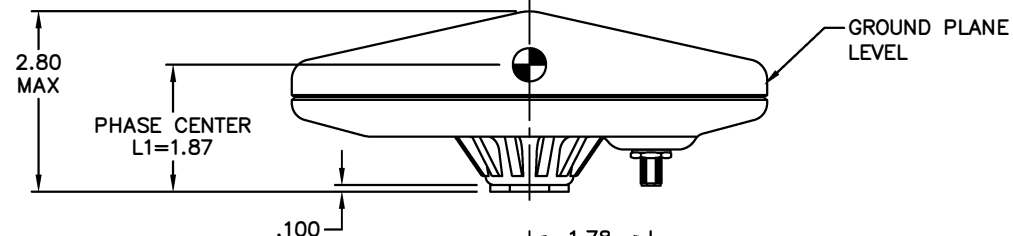
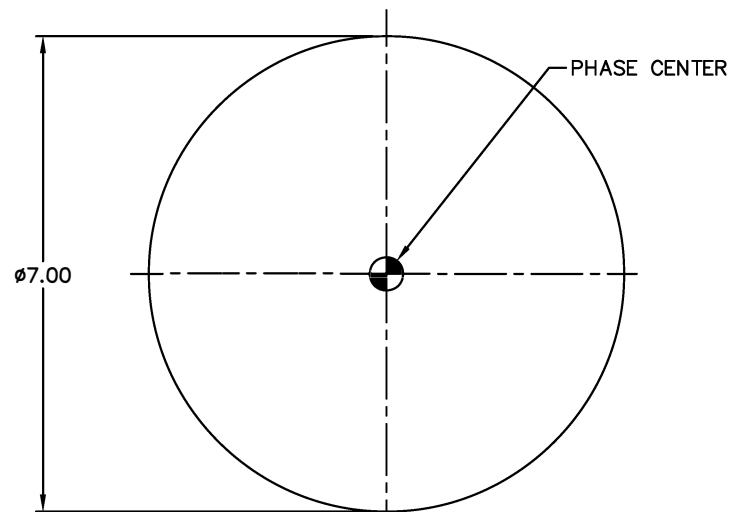
FREQUENCY: 1575 ±5 MHz  
 POLARIZATION: RIGHT HAND CIRCULAR  
 AXIAL RATIO: 3 dB MAX @ BORESIGHT  
 RADIATION COVERAGE: 4.0 dBic 0° = 0°  
 -1.0 dBic 0° < θ < 75°  
 -2.5 dBic 75° ≤ θ < 80°  
 -4.5 dBic 80° ≤ θ < 85°  
 -7.5 dBic θ = 90°  
 AMPLIFIER:  
 NOISE FIGURE: 2.5 dB MAX  
 IMPEDANCE: 50 OHMS  
 VSWR: ≤2.0:1  
 BAND REJECTION: 35 dB @ 1625 MHz  
 POWER HANDLING: 1 WATT  
 FINISH: WEATHERABLE POLYMER  
 CONNECTOR: SEE TABLE  
 WEIGHT: 13 OZ  
 ALTITUDE: 12,000'  
 TEMPERATURE: -40°C TO +70°C  
 DESIGNED TO: DO-160



**PART NO. DESIGNATION:**

AT575-75KX-XXXX-XXX-XX-XX-XX  
 CUSTOMER K = KONGSBERG MAGNET NM = NO MAGNET  
 COLOR W = WHITE GAIN (± 2 dB) 36 = 36 dB (50 mA) XX = OTHER  
 CONNECTOR TNCF = TNC FEMALE NTPF = N TYPE FEMALE VOLTAGE RG = 4.5-18 VDC  
 CABLE LENGTH \* 000 = IN INCHES

\* = OPTION NOT AVAILABLE WITH THIS MODEL  
 STANDARD MODEL= AT575-75KW-NTPF-000-RG-36-NM



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DO NOT SCALE THIS DRAWING	DRAWN	V. GRINEVICH	04/17/13
REMOVE BURRS AND BREAK SHARP EDGES:	CHECKED		
PART TO BE CLEAN AND OIL FREE	ENGR	STEVE VALDES	10/10/13
ALL DIMENSIONS ARE IN INCHES DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994	MFG	WAYNE FORD	10/10/13
TOLERANCES:	Q.A.	B. RUBENI	10/10/13
.XX ±.01 FRACT = ±1/32	APPROVED	YOUSSI ZADEH	10/10/13
.XXX ±.005 ANG. = ±1/2°	DRAWN IN	CAD	
✓ 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 ANTENNA			
SIZE	CAGE CODE	DRAWING NO.	REV
B	OUVG2	AT575-75K	A
SCALE	NONE I: \CAD\AT575\ -75K\AT575-75K_A		SHEET 1 OF 1

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