

PROPRIETARY NOTICE: This document contains proprietary information of AAT Inc. neither the document nor said proprietary information shall be published, reproduced, copied, disclosed or used for any purpose other than consideration of this document without the express written permission of a duly authorized representative of said Company.

REVISIONS				
LTR	DESCRIPTION	EFFECTIVITY	DATE	APPD
C	SEE ECO	ECO #2642	04/20/98	

SPECIFICATION:

FREQUENCY: 1525-1585 MHz
 POLARIZATION: RIGHT HAND CIRCULAR
 AXIAL RATIO: 3 dB MAX
 RADIATION COVERAGE:
 4.0 dBic $\theta' < \theta < 75^\circ$
 -1.0 dBic $75^\circ \leq \theta < 80^\circ$
 -2.5 dBic $80^\circ \leq \theta < 85^\circ$
 -4.5 dBic $\theta = 90^\circ$
 -7.5 dBic

AMPLIFIER:
 NOISE FIGURE: 2.5 dB MAX
 IMPEDANCE: 50 OHMS
 VSWR: $\leq 2.0:1$
 BAND REJECTION: 20 dB @ 250 MHz
 POWER HANDLING: 1 WATT
 FINISH: POLYURETHANE ENAMEL, FLUID RESISTANT
 WEIGHT: 8 OZ MAX
 ALTITUDE: 55,000'
 OPERATING TEMP: -55°C TO +85°C
 DESIGNED TO: ENV CAT: F2-AB[CLY]XSFDFSSXXXXXAM[2A]C
 ARINC 743 FOOTPRINT
 C-129



Grube 39a
 82377 Penzberg
 Germany
 Tel.: +49 (8856) 80 30 980
 Fax: +49 (8856) 80 30 988
 Email: info@ppmgmbh.com
 Web: www.ppmgmbh.com

PART NO. DESIGNATION:

AT1665-OX-XXXX-XXX-XX-XX-XX

COLOR
 W = WHITE
 S = SMOKE GRAY
 O = OLIVE DRAB

CONNECTOR
 • TNCM = TNC MALE
 • TNCF = TNC FEMALE
 • BNCM = BNC MALE
 • BNCF = BNC FEMALE
 • MCXM = MCX MALE
 • MCFX = MCX FEMALE
 • SMAF = SMA FEMALE
 • NTPM = N TYPE MALE
 • NTPF = N TYPE FEMALE
 • OOOO = NO TERMINATION

MAGNET
 NM = NO MAGNET
 • IM = INTERNAL
 • RM = REMOVABLE
 • HD = HEAVY DUTY

GAIN (± 2 dB)
 OO = PASSIVE
 12 = 12 dB (28 mA)
 26 = 26 dB (65 mA)
 36 = 36 dB (100 mA)
 XX = OTHER

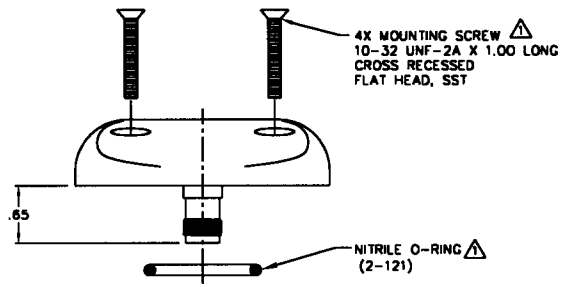
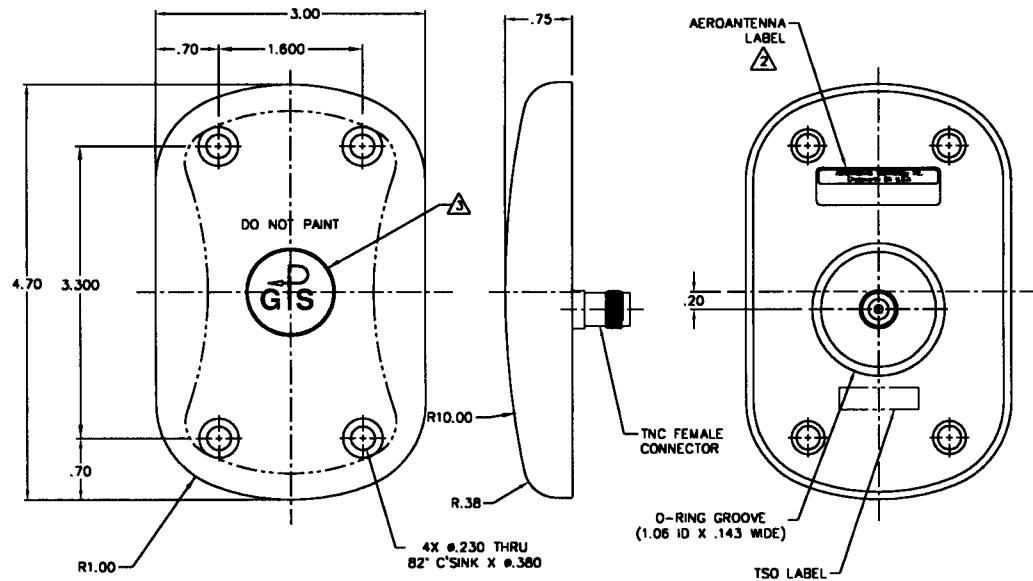
VOLTAGE
 RG = 4.5 TO 18.0 VDC

CABLE LENGTH
 • OOO = IN INCHES

* = OPTION NOT AVAILABLE WITH THIS MODEL

STANDARD MODEL = AT1665-OW-TNCF-000-RG-36-NM

- NOTES: UNLESS OTHERWISE SPECIFIED.
- 1 O-RING AND MOUNTING SCREWS SUPPLIED BY AEROANTENNA.
 - 2 LABEL SIZE, SHAPE AND CONTENTS SUBJECT TO CHANGE WITHOUT NOTICE.
 - 3 LOGO OPTIONAL.
 - 4. TOLERANCES: .XX \pm .03
.XXX \pm .010



CODE IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL/SPECIFICATION	ITEM NO.
LIST OF MATERIALS				
DRWN BY	GEORGE LARA	11/04/97		
CHECK	STEVE VALDES	03/08/98		
PROJ ENGR	T. JEENSALUTE	12/15/97		
Q.A.	B. RUBENI	11/11/97		
APPROVAL	G. SHACHAR	11/11/97		
UNLESS OTHERWISE SPECIFIED				
DO NOT SCALE DRAWING TOLERANCES				
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED				
ANGLES $\pm 1/2^\circ$				
NEXT ASSY	USED ON	INDICATES SURFACE ROUGHNESS PER MIL-STD-10	SCALE NONE	
APPLICATION			AT1665-OC	SHEET 1 OF 1

AeroAntenna Technology Inc

TITLE
 GPS/L-BAND
 SATELLITE DIFFERENTIAL ANTENNA

SIZE	CAGE CODE	DRAWING NO.	REV
B	OUVG2	AT1665-0	C