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.

TOLERANCES: .XX = .03
.XXX = .010

55,000'
D0-160D, -55°C TO +85°C
POLYURETHANE ENAMEL, FLUID RESISTANT
8 OZ MAX

ALTITUDE:
OPERATING TEMP:
DESIGNED TO:
WEIGHT:
FINISH:

20 dB @ 250 MHz
1 WATT
2.5 dB MAX
3 dB MAX AT BORE SIGHT
RIGHT HAND CIRCULAR
<2.0:1
50 OHMS
1525-1585 MHz
BAND REJECTION:
POWER HANDLING:
NOISE FIGURE:
AMPLIFIER:
IMPEDANCE:
VSWR:
AXIAL RATIO:
RADIATION COVERAGE:

SPECIFICATION:
FREQUENCY: 1525-1585 MHz
POLARIZATION: RIGHT HAND CIRCULAR
AXIAL RATIO: 3 dB MAX AT BORE SIGHT
RADIATION COVERAGE: ELEVATION ANGLE MINIMUM GAIN
>15° -2.0 dB
15° -3.0 dB
5° -5.0 dB
5° -7.0 dB

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: POLYURETHANE ENAMEL, FLUID RESISTANT
WEIGHT: 8 OZ MAX

ALTITUDE: 55,000'
OPERATING TEMP: -55°C TO +85°C
DESIGNED TO: D0-160D, ENV CAT: F2-ABB[5(U)(F1)]XSFDFSZXXXXPX[A3][2A]CX

TSO: C-144

PART NO. DESIGNATION:
AT1665-0XXX-XXXX-XXX-XX-XX

CUSTOMER ID (IF APPLICABLE)
COLOR
W = WHITE
S = SMOKE GRAY
O = OLIVE DRAB

CONNECTOR
TNCF = TNC FEMALE

CABLE LENGTH
* 000 = IN INCHES
* = OPTION NOT AVAILABLE WITH THIS MODEL

STANDARD MODEL: AT1665-0W-TNCF-000-RG-36-NM

AeroAntenna Technology Inc

DO NOT SCALE THIS DRAWING
ALL DIMENSIONS ARE IN INCHES
DIMENSIONS & TOLERANCES PER ANSI Y14.5M-1994
TOLERANCES: .000 = .001-.005
.XXX = .005

MACHINE MOUNTED PARTS
MATERIAL: TYPE 304 STAINLESS STEEL
ROUGH SURFACES AND SPEAK SHARP EDGES
PART TO BE CLEAN AND OIL FREE

APPROVED
G. SHAR 11/11/97

CAD
G. LARA 11/04/97

CHECKED
S. VALDES 03/09/98

DRAWN
G. LARA 11/04/97

TITLE
GPS\L-BAND ANTENNA

DRAWING NO.
AT1665-0

SCALE NONE

A
1
8

B

C

D