

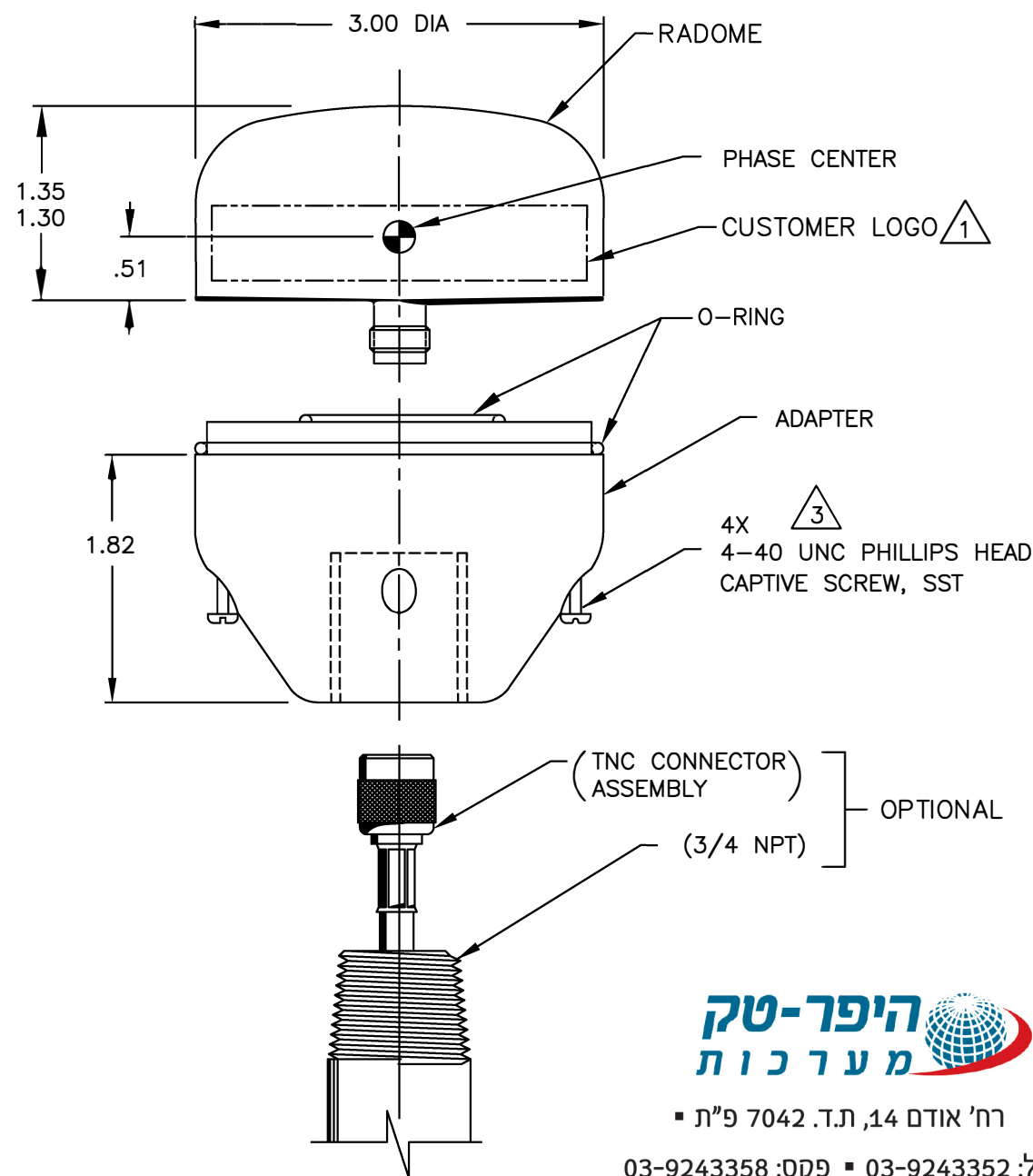
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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE SEE ECO 4555	08/21/00	

NOTES: UNLESS OTHERWISE SPECIFIED.

- 1 LOGO OPTIONAL.
- 2 LABEL SIZE, SHAPE AND CONTENTS SUBJECT TO CHANGE WITHOUT NOTICE.
- 3 ASSEMBLE ANTENNA TO ADAPTER USING CAPTIVE SCREWS, SUGGESTED TORQUE: 5.0-6.0 IN LB, DO NOT OVER TORQUE.
- 4 TOLERANCES: .XX ± .03
.XXX ± .010

REFERENCE INSTALLATION DRAWING: AT5756855.

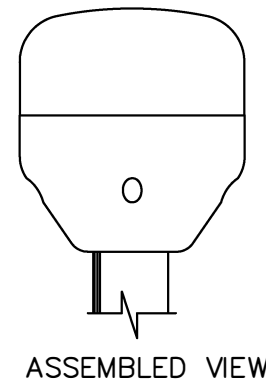


SPECIFICATION:

FREQUENCY: 1575 ±2 MHz
 POLARIZATION: RIGHT HAND CIRCULAR
 AXIAL RATIO: 1.5 dB MAX
 RADIATION COVERAGE: 4.0 dBic 0° = 0°
 -3.0 dBic 0° < θ < 75°
 -7.5 dBic 75° ≤ θ < 80°
 -8.0 dBic 80° ≤ θ < 85°
 -9.0 dBic 85° ≤ θ = 90°

AMPLIFIER: <1.5:1
 NOISE FIGURE: 2.5 dB MAX
 IMPEDANCE: 50 OHMS
 VSWR: ≤2.0 : 1
 BAND REJECTION: 30 dB @ 1535 MHz (f_o -40 MHz)
 60 dB @ 1615 MHz (f_o +40 MHz)
 POWER HANDLING: 1 WATT (INCLUDING IN-BAND)

FINISH: WEATHERABLE POLYMER
 WEIGHT: 8 OZ MAX
 ALTITUDE: 55,000'
 OPERATING TEMP: -55°C TO +85°C
 DESIGNED TO: D0-160C



PART NO. DESIGNATION:

AT575-146X-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
 * MCXF = MCX FEMALE
 * SMAM = SMA MALE
 * SMAF = SMA FEMALE
 * NTPM = N TYPE MALE
 * NTPF = N TYPE FEMALE
 * 0000 = NO TERMINATION

CABLE LENGTH
 * 000 = IN INCHES

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

GAIN (±2 dB)
 00 = PASSIVE
 14 = 14 dB (20 mA)
 26 = 26 dB (35 mA)
 40 = 40 dB (50 mA)
 XX = OTHER

VOLTAGE
 00 = PASSIVE
 05 = 5 VDC
 * RG = 5-18 VDC
 XX = OTHER

* = OPTION NOT AVAILABLE WITH THIS MODEL
 STANDARD MODEL = AT575-146W-TNCF-000-05-26-NM



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DO NOT SCALE THIS DRAWING	DRAWN A. DEVERA	08/21/00	AeroAntenna Technology Inc	
ALL DIMENSIONS ARE IN INCHES DIMENSIONING & TOLERANCING PER ANSI Y14.5M-1982	CHECKED			
TOLERANCES: .XX = ±.01 .XXX = ±.005 FRACT = ±1/32 ANG. = ±1/2°	ENGR T. JEENSALUTE	08/22/00	TITLE GPS ANTENNA	
✓ SURFACE ROUGHNESS PER ANSI B46.1 REMOVE BURRS AND BREAK SHARP EDGES: PART TO BE CLEAN AND OIL FREE	Q.A. B. RUBENI	08/25/00	SIZE B	CAGE CODE OUVG2
USED ON	APPROVED G. SHACHAR	08/28/00	DRAWING NO. AT575-146	REV A
UNLESS OTHERWISE SPECIFIED	DRAWN IN ACAD	SCALE NONE	AT575-146A	SHEET 1 OF 1