

1. LABEL LOCATED APPROXIMATELY WHERE SHOWN.

2. TOLERANCE: .XX = $\pm .03$
.XXX = $\pm .010$

SPECIFICATION:

FREQUENCY:

1518.0 to 1525.0 MHz	Inmarsat	Receive	(extended)
1525.0 to 1559.0 MHz	Inmarsat	Receive	(operational)
1575.42 ± 10.25 MHz	(GPS L1)		
1626.5 to 1660.5 MHz	Inmarsat	Transmit	(operational)
1668.0 to 1675.0 MHz	Inmarsat	Transmit	(extended)

POLARIZATION: RIGHT HAND CIRCULAR

LIGHTNING
PROTECTION: DC GROUNDED

IMPEDANCE: 50 Ω

AXIAL RATIO: ≤ 4 dB, $0^\circ \leq \theta \leq 85^\circ$ (operational band)
 ≤ 6 dB, $0^\circ \leq \theta \leq 85^\circ$ (extended band)

CONNECTOR(S): INMARSAT RX/TX = SMAF
GPS = SMAF

WEIGHT: 1.91 LBS MAX.

OPERATING TEMP: -25°C to +55°C

DESIGNED TO: INMARSAT RFI 1401

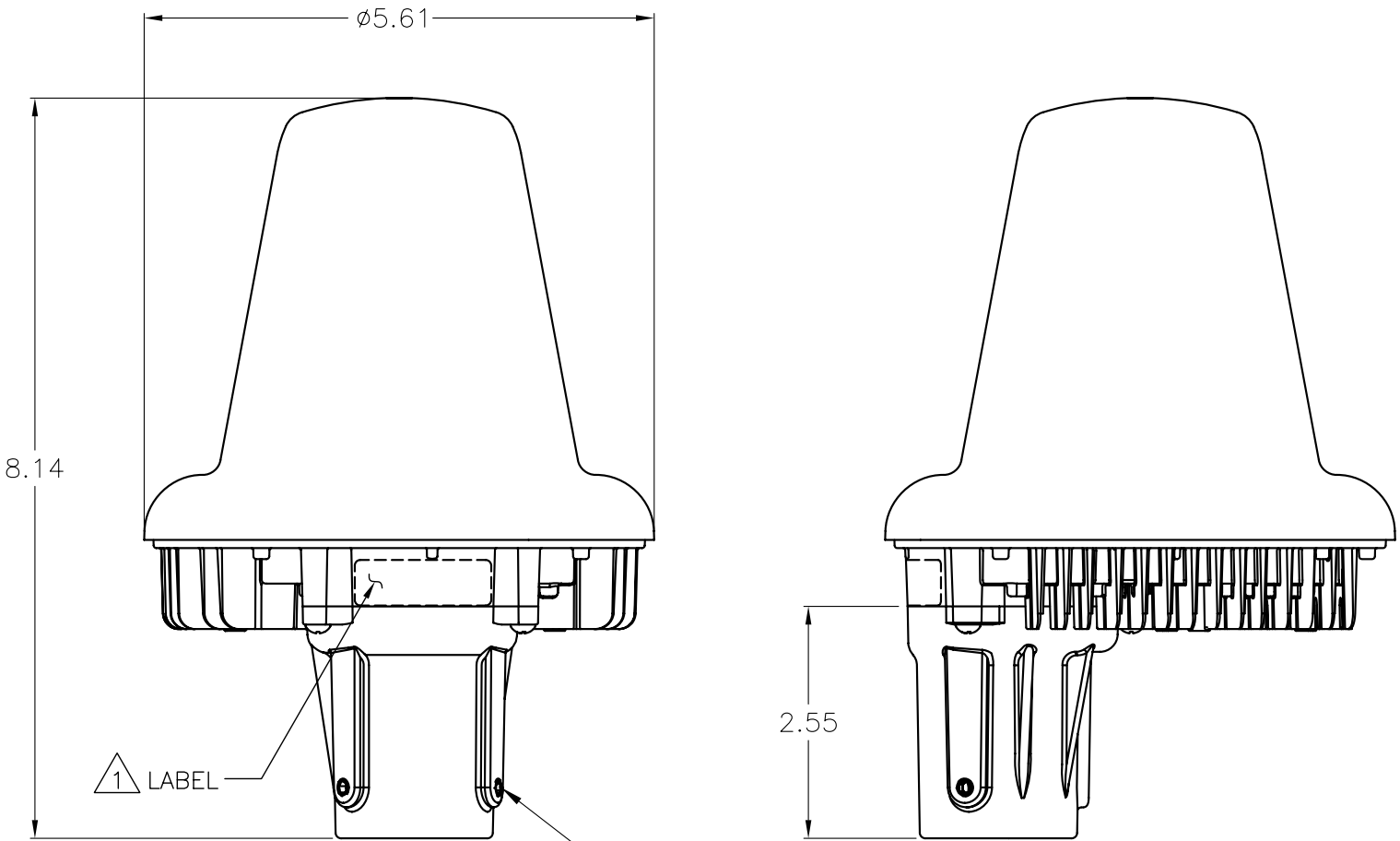
FCC ID: YP9AT1595

IC: 9218A-AT1595

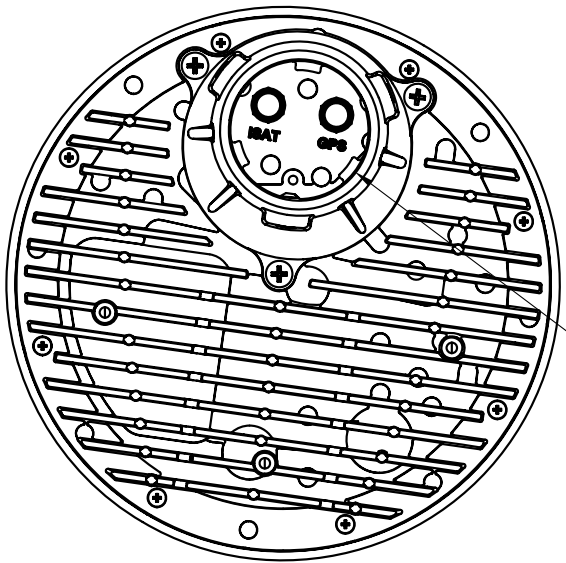
CANADA: 310




THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.



3X 1/4-20 X 1/4
SET SCREW



— $\phi 1.40$
MOUNTING TO
1 INCH PIPE

	DO NOT SCALE THIS DRAWING	DRAWN		 AeroAntenna Technology Inc AS9100 CERTIFIED CO.					
	REMOVE BURRS AND BREAK SHARP EDGES: PART TO BE CLEAN AND OIL FREE	A. GUTIERREZ 09/23/10		TITLE INMARSAT/GPS RoHS, MARINE ANTENNA					
	ALL DIMENSIONS ARE IN INCHES DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994	CHECKED I. SIROTIN 09/23/10							
	TOLERANCES: XXX $\pm .01$ FRACT = $\pm 1/32$ XXX $\pm .005$ ANG. = $\pm 1/2^\circ$	ENGR E. NABOYSHCHIKOV 09/23/10							
	<input checked="" type="checkbox"/> SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32	MFG		SIZE CAGE CODE DRAWING NO. REV B OUVG2 AT1595-82-R 6					
	HOLE DIA. TOLERANCE	Q.A.							
	.0135 - .125 $\begin{smallmatrix} +.004 \\ -.001 \end{smallmatrix}$	APPROVED							
	.126 - .250 $\begin{smallmatrix} +.005 \\ -.001 \end{smallmatrix}$	DRAWN IN CAD		SCALE NONE		I:\CAD\AT1595\ -82\AT1595-82-R_6		SHEET 1 OF 1	
	.251 - .500 $\begin{smallmatrix} +.006 \\ -.001 \end{smallmatrix}$								
NEXT ASSY	.501 - .750 $\begin{smallmatrix} +.008 \\ -.001 \end{smallmatrix}$								

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