

VERDANT AT 40

HF Airborne Antenna Tuner

The HF Antenna tuning Unit-VERDANT AT 40 is a fast switching, ECCM compatible, solid state pin diode switched equipment that matches the impedance of the antenna to the 50-Ohm output of the transmitter. The ATU is mounted near the HF antenna to maximize transmission efficiency. It is suitable for subsonic aircraft's and helicopters.



SPECIFICATIONS

ELECTRICAL

Frequency Range	3 MHz -30 MHz
VSWR	1.5:1 (Typ) 2.0:1 (Max)
Input Impedance	50 Ohms Nominal
Tuning Time	<4 seconds (Average) initial acquisition tune time for a new frequency ≤ 10ms for pre-tuned frequency
Power Rating	100 W (Max)
Power Supply	28 ± 4 Volts
Control Signal/ Interface	RS 485
Type of antenna	7-15M aerial wire/ whip
BITE Port	Monitor at Module level

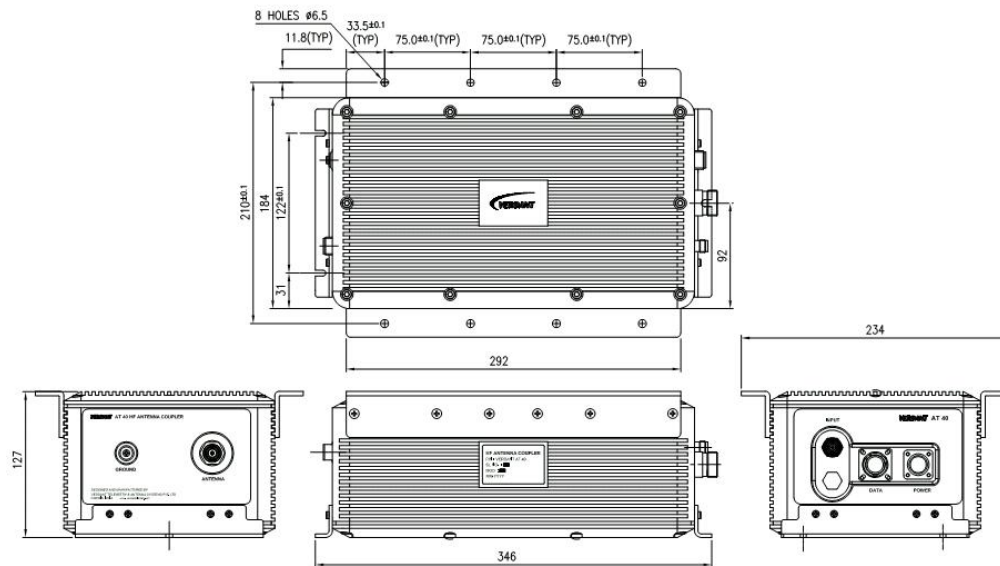
MECHANICAL

Weight	6.7 Kg (max)
Dimension	127±1 X 234±1 X 346±1 mm
Connector	N Type (F) TNC (F)
	D38999/26-W-C-35P 22 Pin circular (Data)
	MS3102A10SL-4P Circular (28 V DC)

ENVIRONMENTAL

Temperature	-40 °C to +70 °C
Altitude	55, 000 ft

*Contact us for your customized requirements



Dimensions are in mm

0618 Rev 05

*All data contained herein is subject to change without notice



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