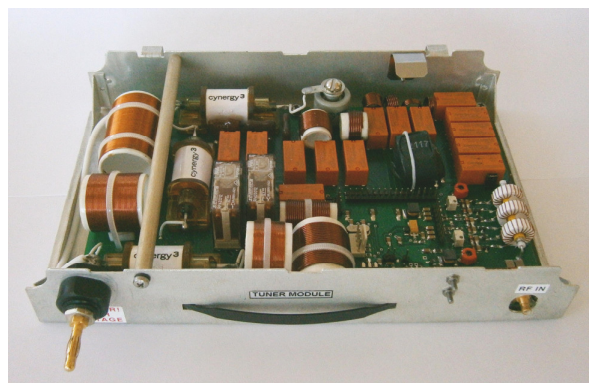


## Antenna Tuning Unit 25 W

ATU-25 is the antenna tuning unit designed to match 25W transmitter output with 1.5-2.7 m whip antenna in HF range (1600 ...30000 kHz). ATU-25 provides the antenna input impedance transformation to 50  $\Omega$  active resistance with VSWR less than 1.4 . ATU-25 is designed as a single board to be integrated into the radio.



### Technical Specifications

Frequency band	1600...30000 kHz
Input Power (peak)	$\leq 25$ W
Input power (average)	$\leq 25$ W
Input impedance	50 $\Omega$ ; VSWR $\leq 1.4$
Tuning time (by algorithm)	$\leq 3$ s
Tuning time (from memory)	$\leq 0.3$ s
Tuning power	3-6 W
Power supply voltage	+12V DC ; 0.3A
Dimensions (without tray)	190 x 120 x 40 mm
Weight	0.4 kg
Operation temperature range	- 30 + 60 ° C
Storage temperature	- 40 +85 ° C
Humidity	95% ; 20 $\div$ 85 ° C