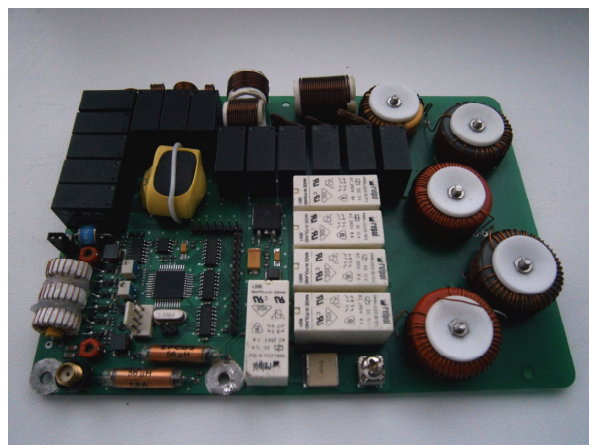


Antenna Tuning Unit 60 W

ATU-60 is the antenna tuning unit designed to match 60W transmitter output with 1.5-2.7 m whip antenna in HF range (1600 ...30000 kHz). ATU-60 provides the antenna input impedance transformation to 50 Ω active resistance with VSWR less than 1.4 . ATU-60 is designed as a single board to be integrated into the radio and it is available in two versions: with or without power reduction at lower part of frequency range, that leads to the different cost of the versions.



Technical Specifications

	ATU-60	ATU-60A
Frequency band	1600...30000 kHz	
Input Power (peak)		
- for 4.-30 MHz band	$\leq 60 \text{ W}$	$\leq 60 \text{ W}$
- for 1.6-4.0 MHz band	$\leq 30 \text{ W}$	$\leq 60 \text{ W}$
Input power (average)	$\leq 30 \text{ W}$	
Input impedance	50 Ω ; VSWR ≤ 1.4	
Tuning time (by algorithm)	$\leq 3 \text{ s}$	
Tuning time (from memory)	$\leq 0.3 \text{ s}$	
Tuning power	3-6 W	
Power supply voltage	+12V DC ; 0.3A	
Dimensions	190 x 120 x 40 mm	
Weight	0.4 kg	
Operation temperature range	- 30 + 60 ° C	
Storage temperature	- 40 +85 ° C	
Humidity	95% ; 20 ÷85 ° C	