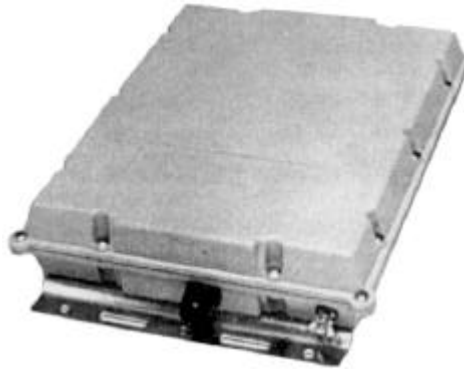


MOONRAKER MSRA ATU

Automatic Antenna Tuning Unit suitable for the HF Band



A high quality HF tuner of American manufacture, chosen by Moonraker as a suitable compliment to its range of HF antenna systems.

The MSRA ATU features microprocessor controlled switching of lumped C and L. Many different configurations of Pi or L networks are possible. No connection to the transceiver other than the RF coaxial cable and a 12 volt supply is required. A switched low control line output is provided to operate a remote tuned indicator if required. Connection for the earth system is also provided.

The unit is housed in a weatherproof case, being designed for external operation close by the antenna feed point. All external connections are by way of stainless steel terminals or sealing glands.

The system is DC isolated.

Specifications

Frequency Range	1.8-30 MHz (with suitable Moonraker Antenna)
Antenna Lengths	For 2-30 MHz shortest unloaded antenna Type 22W; loaded antennas will allow shorter length types; long wire antennas should be at least 8m (25ft) for the low frequencies
VSWR	Better than 2:1 (typical)
Input Impedance	50Ω
Power Capability	10-150 watts PEP
DC Input	13.8 v DC required (typical)
DC Operating Range	10-15v DC, 0.9 Amps average
Tuning Time (random)	Less than 4 seconds (typical)
Retune Time	Less than 15 milliseconds (typical)
Operating Temperature	-30°C to +60°C
Size	406 x 292 x 83 mm (16 x 11.5 x 3.25 in)
Packed Weight	4 kg (8.8 lbs)

Specifications subject to change 7/98

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