



RH6251-5000W

RH6251 is designed to match the transmitter with 10 m Whip or 7-30 m Wire antennas input impedance within 1500 ... 30000 kHz frequency range. RH6251 provides transformation of the antenna input impedance to 50 Ohm active resistance with VSWR less than 1.4 (without power reduction till VSWR =5.0) RH6251 has air cooled aluminum housing for installation inside a communication site (building or shelter vehicle). Antenna isolators are located on the top of the device and provide connection to the antenna: 2 symmetrical outputs (600 Ohm) and 1 non-symmetrical output (50 Ohm). Antenna switch is located inside the device. RH6251 has 50 Ohm RF input connector for HF transmitter and the control cable connector (for up to 20 m remote control).

RH6251 has short and open circuit protection and appropriate failure alarms.

Technical specifications

Frequency range:	1500...30000 kHz
Input power: reduction for VSWR<5.0)	5000 W PEP (without power reduction for VSWR<5.0)
Input impedance:	50 Ω (non-symm)/600 Ohm

(symm) VSWR less than 1.4

Tuning time according

to the algorithm

less than 5 sec

Tuning time from memory

on pre-programmed frequencies

less than 0.3 sec

Tuning power

10 W

Antennas

10 m Whip,

7-30 m Wire

Supply voltage
is built-in)

220 V AC (AC/DC converter

Dimensions

600x600x1000 mm

Weight

60 kg

Operation Temperature Range:

-22 to 149°F (-30 to 60° C)

Storage Temperature Range:

-22...149°F (-40...85°C)