



RH6121-150W

RH6121 is designed according to the highest accuracy requirements with the most advanced technology. The amplifier provides the highest level of linearity, power efficiency and reliability of HF radio transceivers in the up-to-day digital

Technical specifications

<p>Operating frequency range: Output power in CW, SSB PEP modes:</p>	<p>1.5-30 MHz Four levels: 150 W \pm1 dB 75 W \pm1 dB 37 W \pm1 dB 19 W \pm1 dB</p>
<p>Amplification gain: Nominal power input level: Intermodulation: Harmonic level:</p>	<p>36 dB 16 dBm \pm 3 dBm less than -38 dB relative to PEP at 50 Ω load -34 dB relative to PEP with VSWR\geq2:1 less than -50 dB, with 7-band switchable filter in the following frequency bands:</p>
<p>Non-harmonic component level: Input/output impedance: Operation at load mismatch:</p>	<p>1.5 — 2.3 MHz 2.3 — 3.5 MHz 3.5 — 5.4 MHz 5.4-8.3 MHz 8.3 -12.8 MHz 12.8 — 20.0 MHz 20.0 — 30.0 MHz</p> <p>less than - 70 dB 50 Ω Operation is provided in the load range with VSWR 2:1 - 5:1. At this condition an output power will be reduced to: 97W at VSWR =2, 68W at VSWR=3, 50W at VSWR=4, 60W at VSWR=5, Independent protection at short and open output is provided.</p>

Activation time:
Switching time of transmission/reception:
Switching time of reception/transmission:
Switching time between any harmonic filters:
Interface:
Control system:

2 sec.
10 msec.
25 msec.
2 msec.
RS232 / RS485

It provides a monitoring and indicates the following features:
Output power level; reflected power level; VSWR value; operating frequency range; input signal level; thermal conditions control; monitoring of the separate functional node operability of the device.

Cooling system:
Overheating protection:
Power supply voltage :
Operation cycle:
Operating temperature range:
Dimensions:
Weight:

Air forced ventilation
Automatic cooling system control, two-step overheating protection.
27 ±2V DC. Input current is less than 19A at nominal load in CW mode.
Continuous using the air forced ventilation
-30°C to +55° C
159×164×381.5 mm
18 kg