



# RH6136-1000W

The RH6136 is a solid state, broadband power amplifier,

designed to meet the new standards of software reprogrammable radios to satisfy the performance required in the use of HF radios in modern, digital communication systems.

The RH6136 has proven performance used as a standard RF amplification module. The RF Amplifier/Power Supply is a self-contained unit suitable for tabletop or 19" rack installation.

Broadband RF amplification with the complete elimination of tunable elements gives the family's components the frequency agility characteristics required by ALE (Automatic Link Establishment) operation over the HF band.

The main features of the amplifier are:

- Built-in controller
- LCD monitor
- 2 -levels overheat protection
- Short/open output protection
- Continuous operational cycle at full output power

- High reliability in harsh environment

# Technical specifications

Frequency range:	1.6-30 MHz	VSWR	2:1 - 4:1
Output Power: in SSB mode in CW mode	peak — 1000 W average — 1000 W	Operation with unmatched load:	Output power is reduced, autonomous protection at short or open output
Gain:	14 dB	Tx/Rx switching time	15 ms
Gain flatness in frequency range	±1 dB	Rx/Tx switching time	15 ms
Input power level	40 W	Switching between any harmonic filters	15 ms
Intermodulation	better than -32 dB (ref to any tone)	Cooling system:	forced air cooling
Non-harmonic components:	better than - 70dB	Over heat protection:	Cooling system automatic control, 2-level protection.
Harmonic components:	better than - 60dB is provided with 8-bands switchable filter at frequency bands: 1.5-2.3 MHz 2.3-3.3 MHz 3.3-4.7 MHz 4.7-6.8 MHz 6.8-9.7 MHz 9.7-14.0 MHz 14.0-20.0 MHz 20.0-30 MHz	Primary Power:	48 VDC
Input/output impedance:	50 Ω	Current: in SSB mode in CW mode	Less than 40 A, Less than 70 A
		Duty cycle:	Continuous, with forced air cooling
		Operation temperature range:	-10 to +50 °C
		Dimensions:	482(W) ×221(H) ×475(D) mm
		Weight:	29 kg

