



## 24 WATT UHF POWER AMPLIFIER

Model: 11-99-0000



Operating over a frequency range of 400-440MHz and 450-500MHz, the Salcom 11-99 Power Amplifier provides up to 25 Watts of power from a 4 Watt input.

The 11-99 covers the full switching bandwidth without retuning with 20 Watts minimum output.

The power sense operates with a minimum of 1 Watt input and switches both the power and aerial relays. It will operate satisfactorily with down to 1 Watt input power where it will give approximately 10 Watts out.

A 2dB 50Ω input matching pad allows for connection to a wide range of driving devices without the risk of instability.

In the receive mode, the 11-99 will pass a receive signal with less than 2dB attenuation. The high pass filter is in circuit in the receive mode.

The three stage aerial filter attenuates spurious emissions to less than -30dBm. The 11-99 is protected against accidental power connection reversal.

The green LED operates at all times with the power connected, and the red transmit LED operates only when the 11-99 is switched to the transmit mode.



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*Distributor*

Frequency Bands	400-440MHz, 450-500MHz
Power Output	25 Watt typical, 4 Watt input, 600mA quiescent
Power Requirement	+13.8V, 4.5A typ, 6A max @ 25W output. Standby: 4mA (power LED current). Power sense switches both relays.
Power indication	Power connected - green LED, PTT activated - red LED
Duty cycle	50% at 25 Watt power output, max 1 minute on
Stability	2dB 50Ω input pad. Relay switches supply current on PTT command
Switching bandwidth	50MHz, 20 Watts minimum with 4 Watts input
Transmit enable	Power sense circuit operates relay (1 Watt min)
Receive Mode	<2dB loss between input and output connectors
Spurious Outputs	-30dBm max
Case Dimensions	140 x 105 x 33mm
Weight	500gms (600gms maximum including box)

### Reduced Power Operation

Power Input	1 Watt = 10W, 2W = 18W approximate output power
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### Connections

RF	BNC input and output
Power and PTT	2 way plug and socket, screw connections (supplied)

### SEA AIR AND LAND COMMUNICATIONS LTD

120 St Asaph Street, PO Box 22-621, Christchurch, New Zealand

Ph: +64 3 379-2298 Fax: +64 3 365-1580

E-mail: sales@salcom.co.nz

Web Page: www.salcom.co.nz