



# 24 WATT VHF POWER AMPLIFIER

Model: 11-54-0000



Operating over a frequency range of 138MHz to 174MHz, the Salcom 11-54 Power Amplifier provides up to 25 Watts of power from a 4 Watt input.

The 11-54 has a switching bandwidth of 5MHz with 20 Watts minimum output.

The power sense operates with a minimum of 3 Watts input and switches both the power and aerial relays. It will operate satisfactorily with down to 400mW drive, but the PTT connection must be grounded to operate the receive and transmit changeover.

A 2dB 50Ω input matching pad allows connection to a wide range of devices, and provides high tolerance to mis-tuning without the risk of instability.

In the receive mode, the 11-54 will pass a receive signal with less than 1dB attenuation.

The three stage aerial filter attenuates all spurious emissions to less than -30dBm.

The 11-54 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 11-54 is switched to the transmit mode.



MADE IN NEW ZEALAND

*Distributor*

<b>Frequency Bands</b>	138-174MHz
<b>Power Output</b>	25 Watt typical, 4 Watt input
<b>Power Requirement</b>	4 Amps typical, 5 Amps max @ 25W output - 13.8V
<b>Power indication</b>	Power connected - green LED, PTT activated - red LED
<b>Duty cycle</b>	50% at 25 W power output - 13.8V
<b>Stability</b>	2dB 50Ω input pad. Relay switches supply current on PTT command
<b>Switching bandwidth</b>	±5MHz, 20 Watts minimum with 4 Watts input
<b>Power Input</b>	3 Watts minimum
<b>Transmit enable</b>	Power sense circuit operates relay (3 Watt min)
<b>Receive Mode</b>	<2dB loss between input and output connectors
<b>Spurious Outputs</b>	-30dBm max
<b>Case Dimensions</b>	140 x 105 x 33mm
<b>Weight</b>	500gms (600gms maximum including box)
<b>Reduced Power Operation</b>	
<b>Power Input</b>	0.4 Watts minimum for 10 Watt output typically
<b>Transmit enable</b>	Ground PTT, 3mA source
<b>Connections</b>	
<b>RF</b>	BNC input and output
<b>Power and PTT</b>	2 x 2 way plug and socket, screw connections (supplied)

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