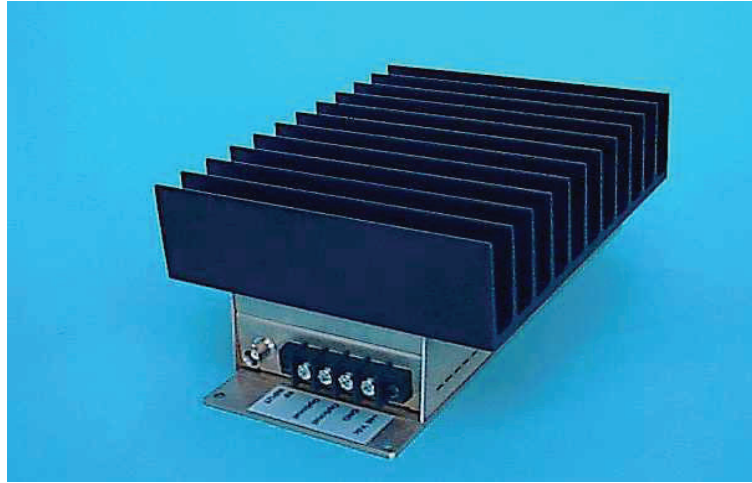




T&C
Power Conversion

VHF Linear Amplifier

Class "AB" Operation with Transmit-Receive PTT relay bypass



T&C POWER CONVERSION

Electrical Specifications

Frequency Range:	110 to 140 MHz
Power Output:	75 Watts
Saturated Output:	80 Watts
Gain:	13dB \pm 0.5dB
In/Out Impedance:	50 Ohms
Input Drive:	4 Watts typical, 7 Watts max
Input VSWR:	1.2 : 1 Max
Output VSWR:	2 : 1 Max
Harmonic level:	< -65dBc
Load Mismatch:	Operation into any load (Short to Open)
Stability:	Unconditional
Spurious Output:	< - 65dBc
Input Connector:	Female "BNC", F-Type Optional
Output Connector:	Female "N", UHF Optional
Power Source:	DC Power Supply of 46 Vdc \pm 5% @ 6A (typical at maximum output)

NOTE: Fused Internally with (5mm) 10 Amp slow blow fuse. Also Reverse-Polarity protected.

Power Connection: 4 position filtered terminal block

Operating Temp: - 20 °C to + 55 °C

Cooling: Convection air-cooled

NOTE: It is suggested that unit be operated at a duty cycle of 25% when operating at an ambient temperature of 20°C.

Dimensions: H 4.0" x W 6.8" x L 10.8"
102mm x 173mm x 267mm

Relative Humidity: 0 to 95%

Storage Temp: -20 °C to +125°C

Weight: \approx 6.5 lbs. / 3.5 kg

Mounting: Four #10-32 mounting holes centered on a 3.6" x 10" rectangle pattern.

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