

T&C Power Conversion, Inc.

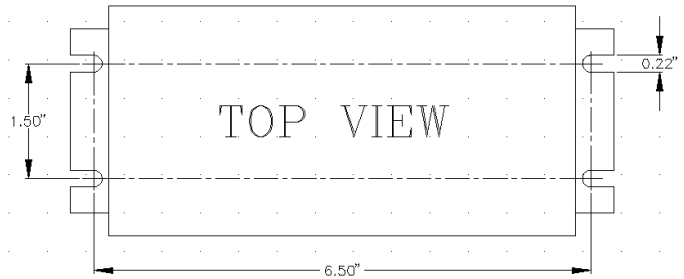
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VHF Linear Amplifier



Model # 8900 2000



Class "A" Operation

Electrical Specifications

Frequency Range:	40 to 150 MHz	RF Input Connector:	Female "BNC", F-Type Opt.
Power Output:	4 Watts minimum at 1dB compression point.	RF Output Connector:	Female "N", UHF Opt.
Saturated Output:	7 Watts with ≈ 1 dBm drive	Power Source:	AC to DC Power Supply, Externally Mounted, 120VAC in (+10%, -15%), 28VDC Out at 700mA.
Gain:	39dB \pm 1dB in 40 to 140 MHz	Power Connection:	2.5 / 5.5mm dc power jack
In/Out Impedance:	50 Ohms	Operating Temp:	- 20 °C to + 55 °C
Input Drive:	≈ 0.5 dBm for nominal output	Cooling:	Convection air-cooled
Input VSWR:	2 : 1 Max	Dimensions:	H 6.0" x W 3.0" x L 7.5" 152mm x 76mm x 191mm
Output VSWR:	3 : 1 Max	Relative Humidity:	0 to 95%
Harmonic level:	< - 30dBc typical	Storage Temp:	- 20 °C to +125°C
Load Mismatch:	Operation into any load(Short to Open)	Weight:	≈ 7 lbs / 3.2 kg
Stability:	Unconditional	Mounting:	Slotted Mounting ears centered on a 1.50" x 6.50" Rectangle with 0.22 wide slots
Maximum Input:	+ 13dBm		
Third Order Int. Pt.:	$\approx + 45$ dB (@ 2W total power)		
Spurious Output:	< - 60dBc		

We offer various electronic products and engineering services: RF Linear Amplifiers, RF Power Drivers, AC to DC Power Supplies, Microprocessor Based Controllers, Analog Instruments . . .
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