

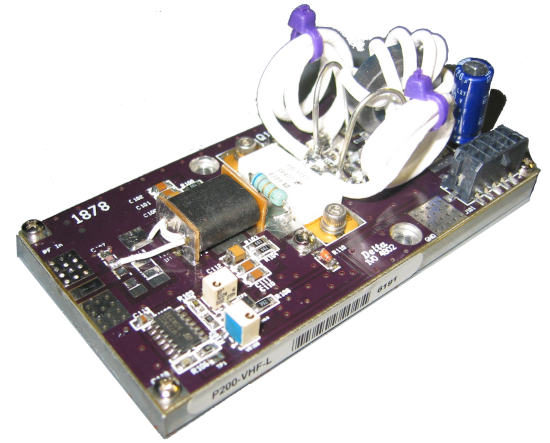


P200-VHF-L-18

High Power RF Amplifiers and Accessories

200W VHF Band I TV Linear Pallet Amplifier

The **P200-VHF-L-18** is an integrated TV linear amplifier designed for the television integrator. Providing a minimum of 200W Pk Sync linear power at Channel 6 or 165W Pk sync linear power at Channel 2, the P200-VHF-L-18 is the perfect amplifier for any low band VHF transmitter.



- No RF assembly or circuit tuning!
- 200 W of Linear Output Power Channel 6!
- 18dB typical gain at Channel 6!
- Combined **Video and Aural** at full rated power!
- Modular Construction for ease of Integration!

Specifications:

$V_{sup}=+32V_{dc}$, $I_{dq}=0.8A$, 54-88MHz

Parameter	Min	Typ	Max	Units
Fundamental Pout, PEP <small>2-tone, 82, 83MHz, IMD3 -30dBc</small>		300		Watts
Linear Power Out, Pk	165	200		Watts
Power Input		3		Watts
Power Gain		18		dB
IMD, Full Field Red, NTSC-NA <small>For input signal 10dB better than desired output</small>	-54	-58		dBc
Drain Current		9		A
Input VSWR		1.2:1	1.5:1	
Insertion Phase Variation <small>(unit to unit)</small>		±5		°
Power Gain Variation <small>(unit to unit)</small>		±1		dB
F2 Second Harmonic		-30		dBc
F3 Second Harmonic		-12		dBc
Baseplate Operating Temp	0		+70	°C
Physical Dimensions	2.0" x 4.0" x 1.5" / 5cm x 10cm x 4cm			

Absolute Maximum Ratings:

Parameter	Value	Units
Maximum Operating Voltage	+34.0	V DC
Stable Operating Voltage	+26.0 to +34.0	V DC
Maximum Bias Current <small>Factory set to 0.6A.</small>	3.0	A
Maximum Drain Current	11	A
Load Mismatch Survival <small>At all phase angles with the base plate held at 40C and Id current limited to 11A, 2 seconds maximum</small>	5:1	
Storage Temperature	-65 to +150	°C
Maximum Operating Baseplate Temperature	+70	°C

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