



# PP88-108-200

## VHFTV – FMHD – 200W

### Solid State Broadband

### High Power Pallet Amplifier

The PP88-108-200 is a 200W pallet amplifier for the 88-108 MHz band. Superior performance is provided offering high gain, efficiency and power in a small pallet footprint using the finest Gold MOSFET transistors available on the market today. Matched for 50 ohms input and output, the PP88-108-200 provides 18 dB gain with linear Pk-Sync or CW FM output power in excess of 200 watts.



Specifications				
(Pout=200w cw, Vsupply=+28V Vdc, Idq=.8A, Freq=88-108MHz)				
Parameter	Min.	Typ.	Max.	Unit
Frequency	88		108	MHz
P1dB	200			Watts
Gain		18		dB
Power In		3.2		Watts
Drain Current		12		Amps
Gain Variation unit to unit		± 1.0		dB
Input R/L			-14	dB
2 <sup>nd</sup> Harmonic		-35		dBc
3 <sup>rd</sup> Harmonic		-12		dBc
Baseplate Operating Temp.	0		+70	°C
Size	2" x 4" x 1.5"			

## Features

- 200 Watts Pk-Sync or CW FM
- 18 dB Gain
- No circuit tuning or RF assembly
- Temperature Compensated Bias

Maximum Ratings	
Parameter	Value
Input Voltage	+32 VDC
Bias Current	2.5 Amp
Drain Current	15 Amp
Load Mismatch	3:1
All phase angles, current limited to 15A, 3 sec. max.	
Baseplate Temp.	+70°C
Storage Temp.	-40 °C to +105 °C

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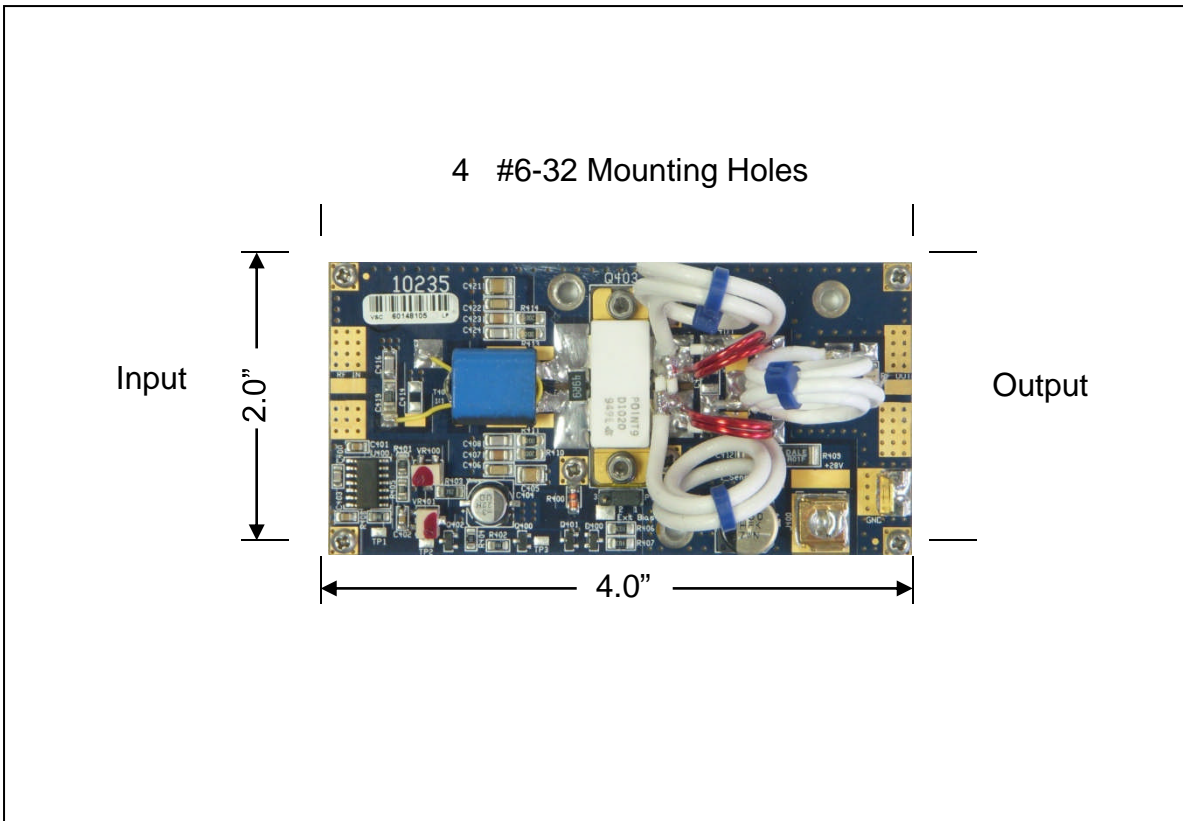
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## Reference Circuit



Reference circuit size (not to scale)

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Tel: +1.775.883.1122 e-mail: [sales@pmtrf.com](mailto:sales@pmtrf.com) web: <http://www.pmtrf.com>  
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Revision History:	3/1/07	Data Sheet
Previous Versions:	-	
Page	Subjects (major changes since last revision)	
Rev. 2 – Change Part Number		3/9/09

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For further information on technology, delivery terms, conditions and prices, please Contact the sales department at PMT headquarters at 1-775-883-1122

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