



PP54-88-200
54-88 MHz – 200W
Solid State Broadband
High Power Pallet Amplifier

The PP54-88-200 is a 200W pallet amplifier for the 54-88 MHz band. Superior performance is provided offering high gain, efficiency and power in a small pallet footprint using Gold MOSFET transistors available on the market today. Matched for 50 ohms input and output, the PP54-88-200 provides 18 dB typical gain with NTSC Full-Field Red Power output in excess of 200 Watts at -54 dBc IMD operating at +32VDC.



Specifications

(Vsupply=+28V Vdc, Idq=.8A, Freq=54-88MHz)

Parameter	Min.	Typ.	Max.	Unit
Frequency	54		88	MHz
Pout P1dB		235		Watts
Gain	18	20		dB
Power Out				
Pk-Sync	175	200		Watts
Power In		2	2.8	Watts
Drain Current		17		Amps
Gain Variation		± 1.0		dB
Input VSWR		1.2:1	1.5:1	
2 nd Harmonic		-25		dBc
3 rd Harmonic		-20		dBc
Baseplate				
Operating Temp.	0		+60	°C
Size	2"x4"x1.5"			

Features

- 200 Watts Pk-Synk @32V_{DC}
- 18 dB Gain
- No circuit tuning or RF assembly
- Temperature Compensated Bias

Maximum Ratings

Parameter	Value
Input Voltage	+34 VDC
Bias Current	3.0 Amp
Drain Current	24 Amp
Load Mismatch	
All Phase angles,	5:1
Baseplate Temp	+70°C
Storage Temp	-40° - +105°C

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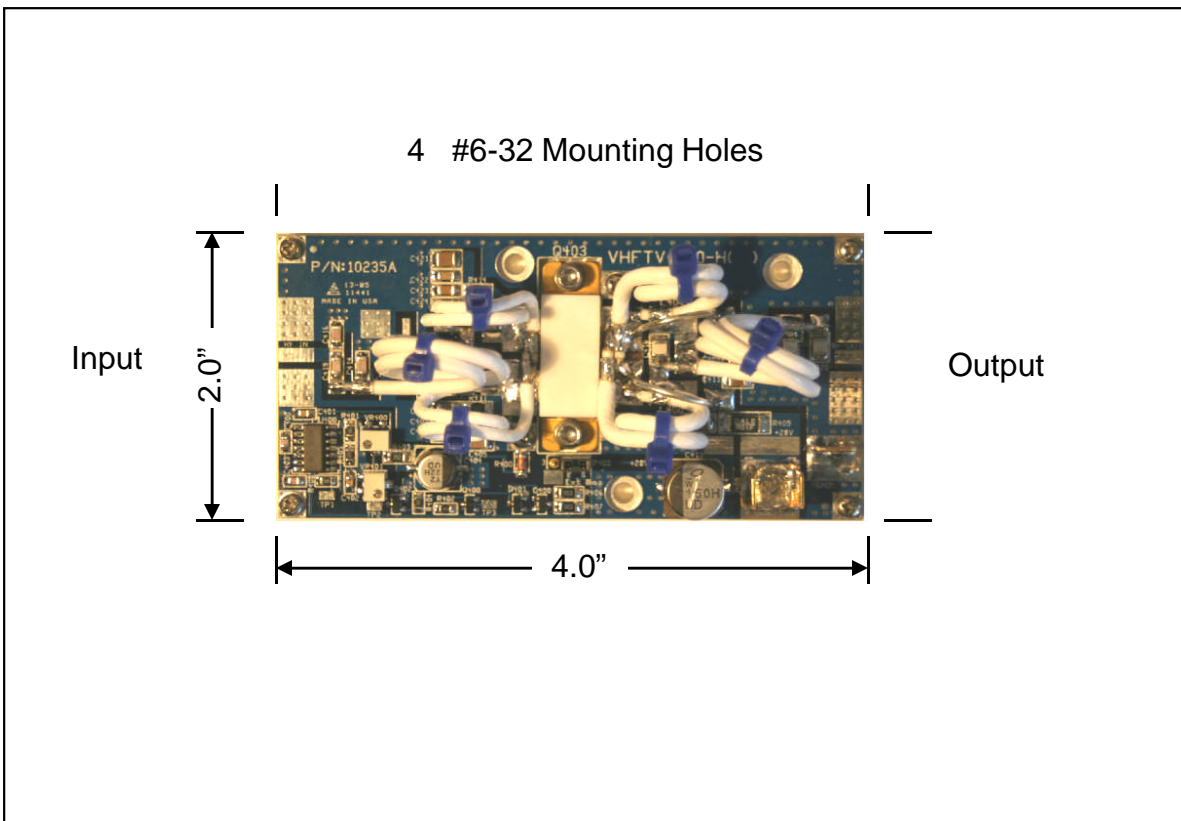
Tel: +1.775.883.1122 e-mail: sales@pmtrf.com web: <http://www.pmtrf.com>

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Reference Circuit



Reference circuit size (not to scale)

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Revision History:	1/1/07	Data Sheet
Previous Versions:	-	
Page	Subjects (major changes since last revision)	
Product Name Change	3/9/09	Rev. 2

We Listen to your comments
If there is any information within this document that you feel is wrong, unclear or Missing, please give us your feedback as it will help us to continuously improve The quality of this document. Please send your suggestions (including a reference To this document) to:
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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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