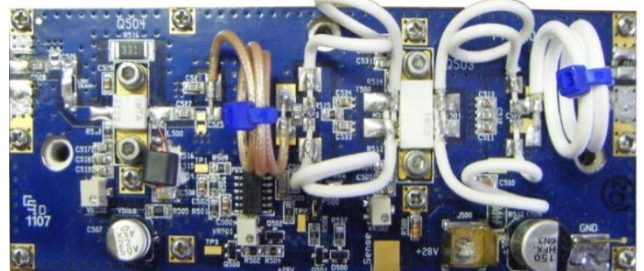




PP88-108-25 VHFTV – FMHD – 25W Solid State Broadband High Power Pallet Amplifier

The PP88-108-25 is a 25W pallet amplifier for the 88-108 MHz band. Superior performance is provided offering high gain, efficiency and power in a small pallet footprint using advanced broadband RF matching networks, and the finest Gold MOSFET transistors available on the market today. Matched for 50 ohms input and output, thermal tracking bias allows for the PP88-108-25 to operate Class A providing 25 watts Linear output power, making this the natural Choice for your high power linear broadcast communications applications.



Specifications (Vsupply=+28V Vdc, Idq=3.25A, TBase=25°C)				
Parameter	Min.	Typ	Max.	Unit
Frequency	88		108	MHz
Pout P1dB		50		Watts
Gain	35	36		dB
Pout Linear	25			Watts
Power In		6.3	7.9	mW
Drain Current		3.5	3.8	Amps
Efficiency	23.5	25.5		%
Input VSWR		1.2:1	1.5:1	
2 nd Harmonic		-25		dBc
3 rd Harmonic		-18		dBc
Baseplate Operating Temp.	0		+60	°C
Size	2.0" x 5.0" x 1.0"			

Features

- 25 Watts Class A, Ultra Linear
- 50 ohms input/output
- Thermal tracking Bias
- 50 Watts PEP
- No circuit tuning or RF assembly
- Amplifier disable input

Maximum Ratings	
Parameter	Value
Input Voltage	+32 VDC
Bias Current	3.25 Amp
Drain Current	5.0 Amp
Load Mismatch	
All Phase angles,	3:1
Baseplate Temp	+60°C
Storage Temp	-40° - +105°C

Power Module Technology • 3107 N. Deer Run Road, Suite 20, Carson City, Nevada 89701 USA.

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

Specifications contained herein are subject to change without notice.

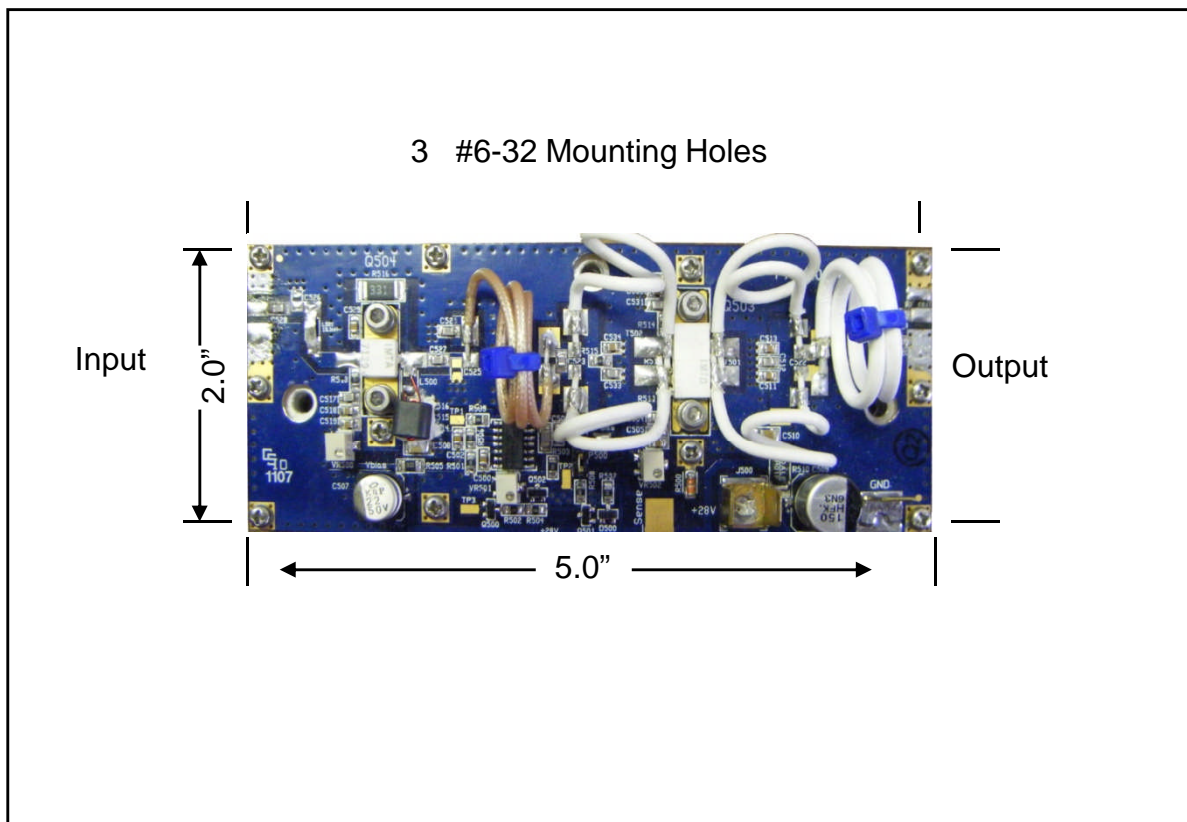
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PP88-108-25
VHFTV – FMHD – 25W
Solid State Broadband
High Power Pallet Amplifier

Reference Circuit



Reference circuit size (not to scale)

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

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:
Bob.Todd@PMTRF.com
To request other information please call 1-775-883-1122

Attention please:

The information herein is given to describe certain components and shall not be Considered as a guarantee of characteristics. Terms of delivery and rights to Technical change reserved.

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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