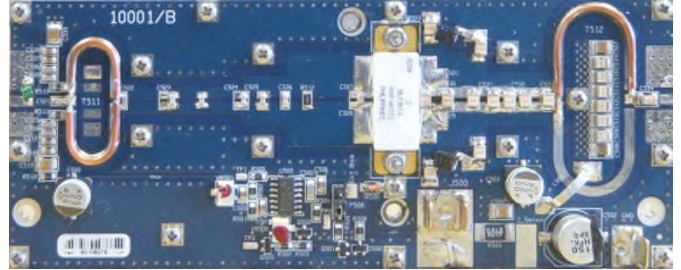




PP800-1000-50 800-1000 MHz – 50W Solid State Broadband High Power Pallet Amplifier

The PP800-1000-50 is a 50W pallet amplifier for the 800-1000 MHz band. This Linear Class AB pallet amplifier features Gold Metallized LDMOS transistors providing P1dB 120W typ.. 50 Ohms input and output allows this pallet amplifier to be used as both an output PA with 50W of output power or as a driver. Thermal tracking allows for superior performance in providing high gain, efficiency, and power in a small pallet footprint, making this a great choice for your broadband applications



Specifications (Vsupply=+28V Vdc, Idq=1.2A, T _{Base} =25°C)				
Parameter	Min	Typ	Max.	Unit
Frequency	500		1000	MHz
Pout P1dB	65	80		Watts
Gain	11.5	12.5		dB
Power In		2.8	3.5	Watts
Drain Current Pout = 50 watts		5		Amps
Input VSWR			4:1	
2 nd Harmonic		-20		dBc
3 rd Harmonic		-35		dBc
Baseplate Operating Temp.	0		+70	°C
Size	2.4"x6.0"x1.0"			

Features

- 50 Watts Class AB, Linear
- 12.5 dB Gain typical
- 50 ohms input/output
- No circuit tuning or RF assembly
- Selectable internal/external Bias

Maximum Ratings	
Parameter	Value
Input Voltage	+34 VDC
Bias Current	2.0 Amp
Drain Current	12 Amp
Load Mismatch All Phase angles	3:1
Baseplate Temp	+70°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.

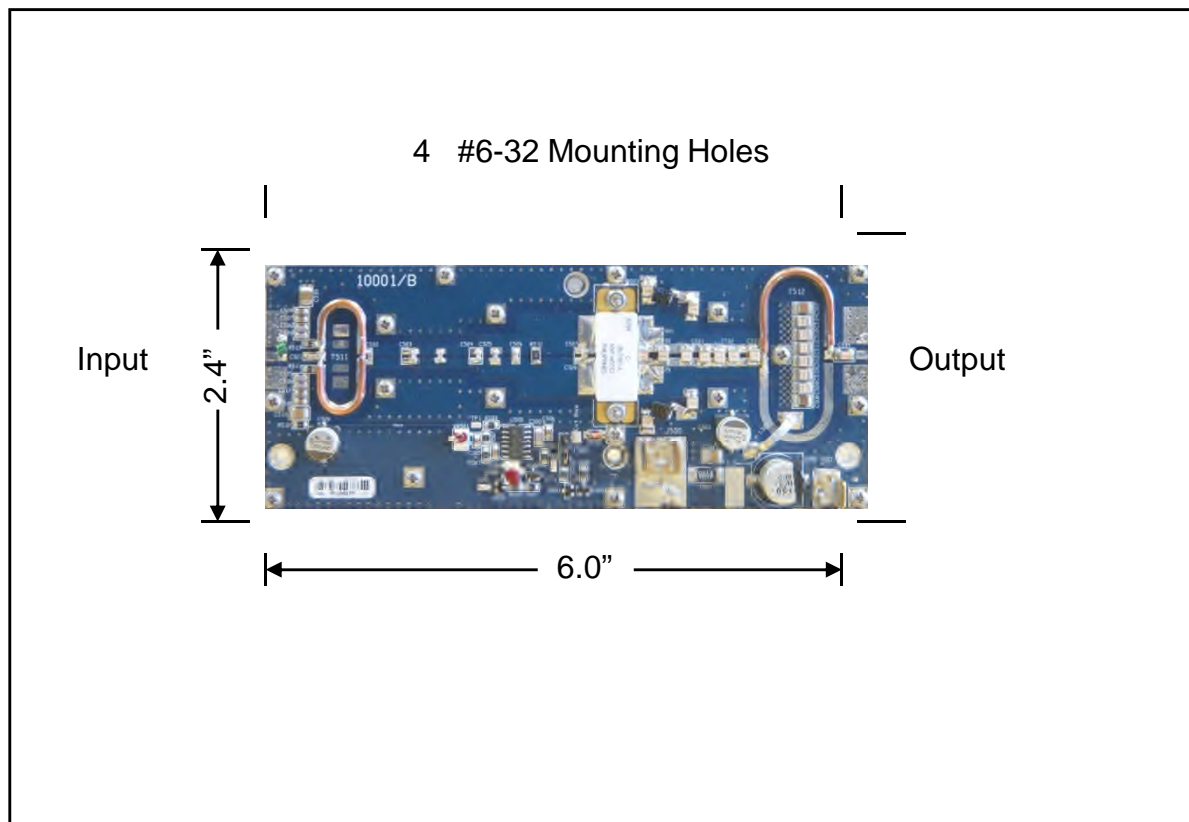
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PP800-1000-50
800-1000 MHz – 50W
Solid State Broadband
High Power Pallet Amplifier

Reference Circuit



Reference circuit size (not to scale)

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PP800-1000-50
800-1000 MHz – 50W
Solid State Broadband
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Revision History:	3/6/08	Data Sheet
Previous Versions:	-	
Page	Subjects (major changes since last revision)	
Rev. 1	Product Name Change	3/19/09

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:

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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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Tel: +1.775.883.1122 [e-mail: sales@pmtrf.com](mailto:sales@pmtrf.com) web: <http://www.pmtrf.com>

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