

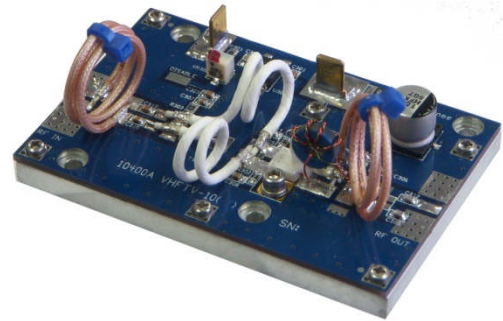


PP170-230-10

170-230 MHz – 10W

Solid State Broadband High Power Pallet Amplifier

The PP170-230-10 is a 10W pallet amplifier for the 170-230 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, the VHFTV-10 operates Class A providing 10 watts PEP making this the natural Choice for your high power broadcast communications applications.



Specifications

(Vsupply=+28V Vdc, Idq=1.5A, TBase=25°C)

Parameter	Min	Typ	Max.	Unit
Frequency	170		230	MHz
Pout P1dB		43		dBm
Linear Power Out, Pk Sync		10		W
Gain	18	20		dB
Power In		200		mW
Drain Current Pout=10W Pk Sync		1.5	2	Amps
Input VSWR		1.2:1	1.5:1	
2 nd Harmonic		-35		dBc
3 rd Harmonic		-15		dBc
Baseplate Operating Temp.	0		+70	°C
Size	2.2"x3.4"x1.5"			

Features

- 10 Watts Class A
- 50 ohms input/output
- No circuit tuning or RF assembly
- Combined Video/Aural at full rated power

Maximum Ratings

Parameter	Value
Input Voltage	+34 VDC
Bias Current	1.5 Amp
Drain Current	2.0 Amp
Load Mismatch All Phase angles	5:1
Baseplate Temp	+70°C
Storage Temp	-40° - +105°C

PMT RF Products • 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.

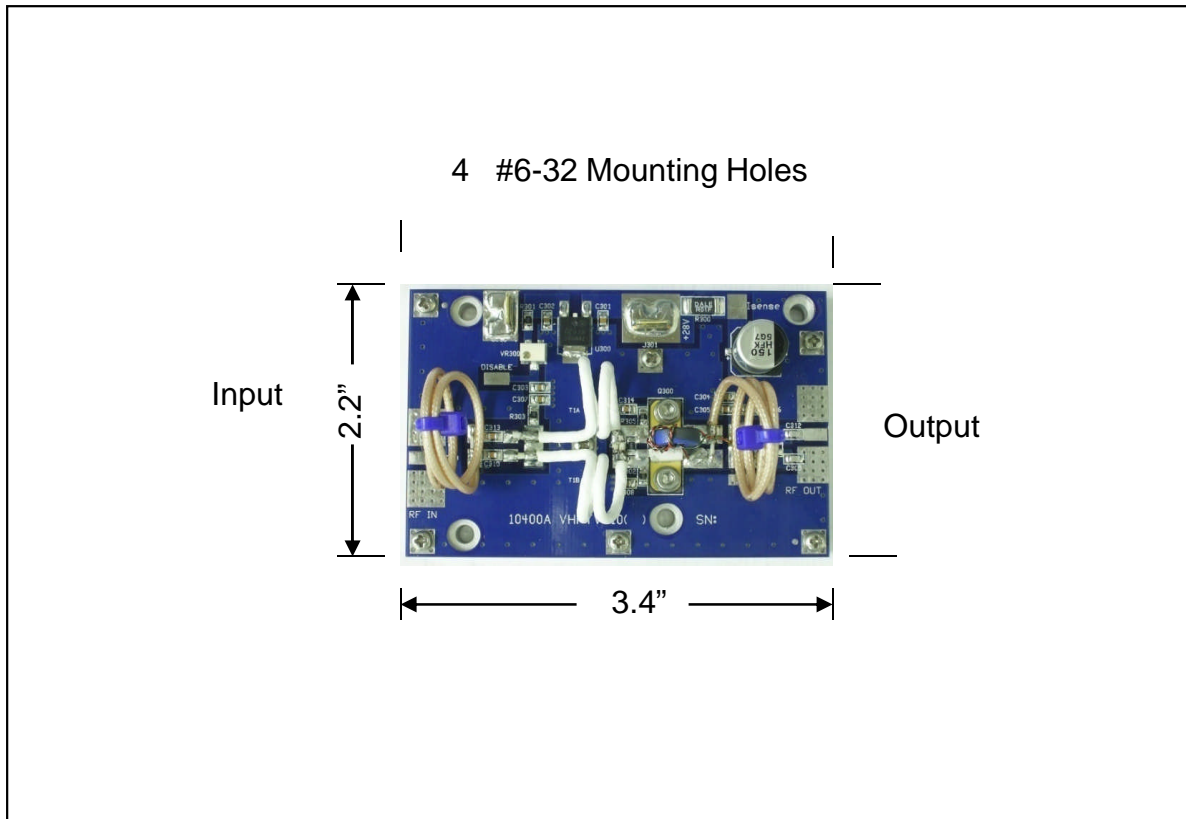
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Reference Circuit



Reference circuit size (not to scale)

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Revision History:	2/1/07	Data Sheet
Previous Versions:	10/1/06	Preliminary Data Sheet
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:
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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