

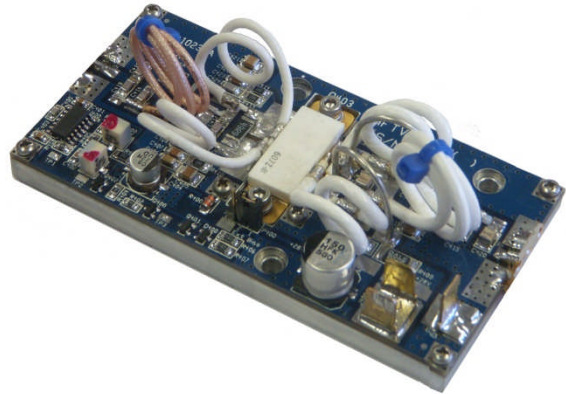


# PP170-230-200

## 170-230 MHz – 200W

### Solid State Broadband High Power Pallet Amplifier

The PP170-230-200 is a 200W pallet amplifier for the 170-230MHz 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 PP170-230-200 provides 17 dB typical gain with NTSC Full-Field Red Power output in excess of 200 Watts pk.-sync.



Specifications (Vsupply=+28V Vdc, Idq=.8A,Freq=170-230MHz)				
Parameter	Min.	Typ.	Max.	Unit
Frequency	170		230	MHz
Pout P1dB		235		Watts
Gain	15	18		dB
Power Out Pk-Sync	175	200		Watts
Power In		2	2.8	Watts
Drain Current		11.5		Amps
Gain Variation		± 1.0		dB
Input VSWR		1.2:1	1.5:1	
2 <sup>nd</sup> Harmonic		-30		dBc
3 <sup>rd</sup> Harmonic		-25		dBc
Baseplate Operating Temp.	0		+60	°C
Size	2" x 4" x 1.5"			

## Features

- 200 Watts Pk-Synk @32V<sub>DC</sub>
- 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	15 Amp
Load Mismatch	5:1
<small>All Phase angles, current limited to 15A, 3 seconds max.</small>	
Baseplate Temp	+60°C
Storage Temp	-40° - +105°C

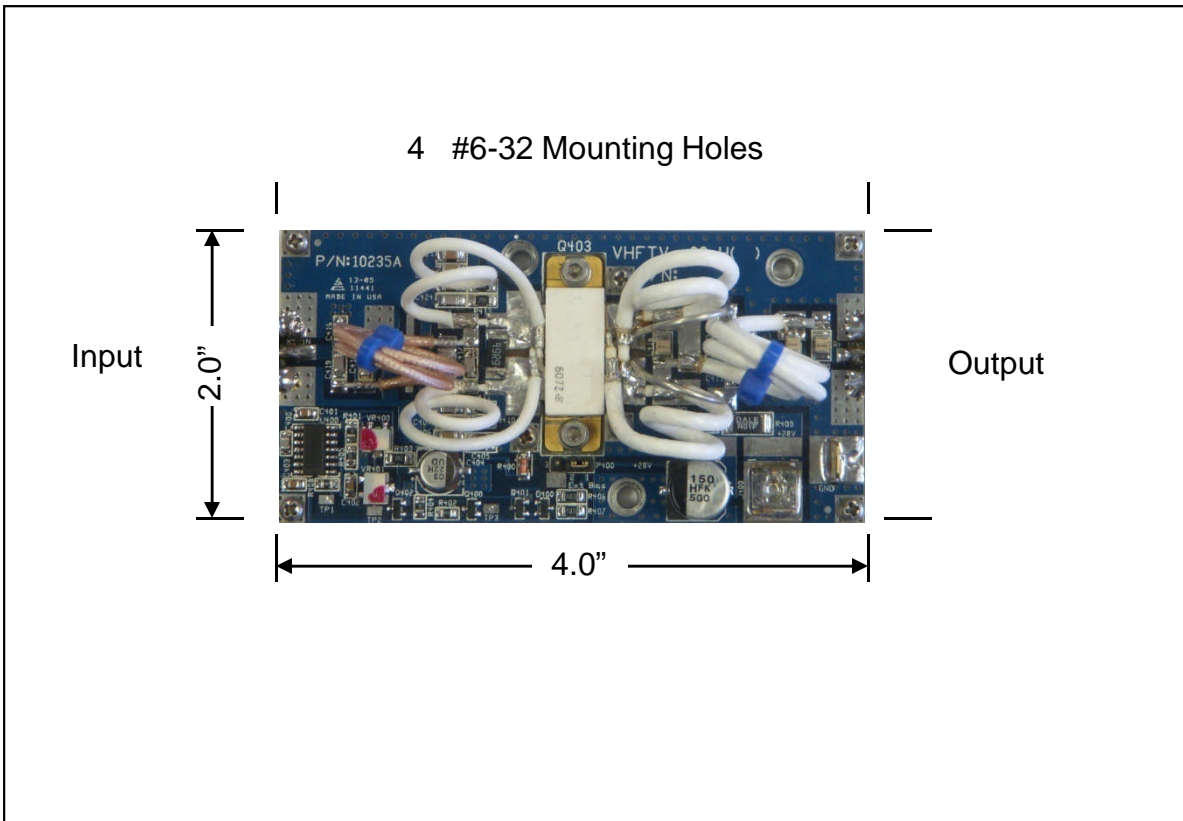
PMT RF Products • 3107 N. Deer Run Road, Suite 20, Carson City, Nevada 89701 USA.  
 Tel: +1.775.883.1122 e-mail: [sales@pmtrf.com](mailto:sales@pmtrf.com) web: <http://www.pmtrf.com>  
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**PP170-230-200**  
**170-230 MHz – 200W**  
**Solid State Broadband**  
**High Power Pallet Amplifier**

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	Product Name Change	3/9/09

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[Bob.Todd@PMTRF.com](mailto:Bob.Todd@PMTRF.com)  
To request other information please call 1-775-883-1122

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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

**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](mailto:sales@pmtrf.com) web: <http://www.pmtrf.com>**

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