



# PP30-88-50

## 30-88 MHz – 50W

### Solid State Broadband High Power Pallet Amplifier

The PP3088-50 is a 50W pallet amplifier for the 30-88 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, PP3088-50 is the natural choice for your high power communications applications.



#### Specifications

(Vsupply=+24V Vdc, Idq=1.50A, TBase=25°C)

Parameter	Min.	Typ.	Max.	Unit
Frequency	30		88	MHz
Pout P1dB	50			Watts
Gain	35	36		dB
Power In			.0125	Watts
Drain Current		4.3	4.7	Amps
Efficiency	38	42		%
Input VSWR		1.2:1	1.5:1	
2 <sup>nd</sup> Harmonic		-25		dBc
3 <sup>rd</sup> Harmonic		-20		dBc
Baseplate Operating Temp.	0		+60	°C
Size	2.0" x 5.0" x 1.0"			

#### Features

- 50 Watts Class AB
- 50 ohms input/output
- Thermal tracking Bias
- 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

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**High Power Pallet Amplifier**

Revision History:	9/26/07	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:

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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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