



PP88-108-350

Full Band FM – 350W

Solid State Broadband

High Power Pallet Amplifier

The PP88-108-350 is a Class B Pallet Amplifier providing CW power output of 350 Watts. Featuring a rugged gold metalized MOSFET transistor, matched for 50-ohms input and output, the PP88-108-350 provides an excellent value for the transmitter integrator. Thermal tracking bias allows the PP88-108-350 to operate Class AB providing 300 Watts PEP making it a superior choice for the DAB market.



Operating Specifications

(Pout=350 watts, Vsupply=+50 VDC, I_{Dq}=0.2A, TBase=25°C)

Parameter	Min.	Typ.	Max.	Units
Power Out, CW		350		Watts
Power Gain	16	18		dB
Power In		5.5		Watts
Frequency	88		108	MHz
Drain Current		10.5		Amps
Efficiency	60	67		Percent
Input VSWR			1.9:1	
Insertion Phase unit to unit		+/-5.0		Degrees
Gain Variation unit to unit		+/-1.0		dB
Second Harmonic		-40		dBc
Third Harmonic		-20		dBc
Baseplate Temperature	0		+60	°C
Baseplate Dimensions	2"x4"x1.5"			

- 350 Watts Class B
- 50 Ohm input/output
- Thermal tracking Bias
- 300 Watts PEP class AB

Absolute Maximum Ratings

Parameter	Value
Input Voltage	+52V DC
Bias Current	1.5A
Drain Current	13A
Load Mismatch All Phase angles, current limited to 13A for 3 sec.	3:1
Baseplate Temperature	+60° 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>

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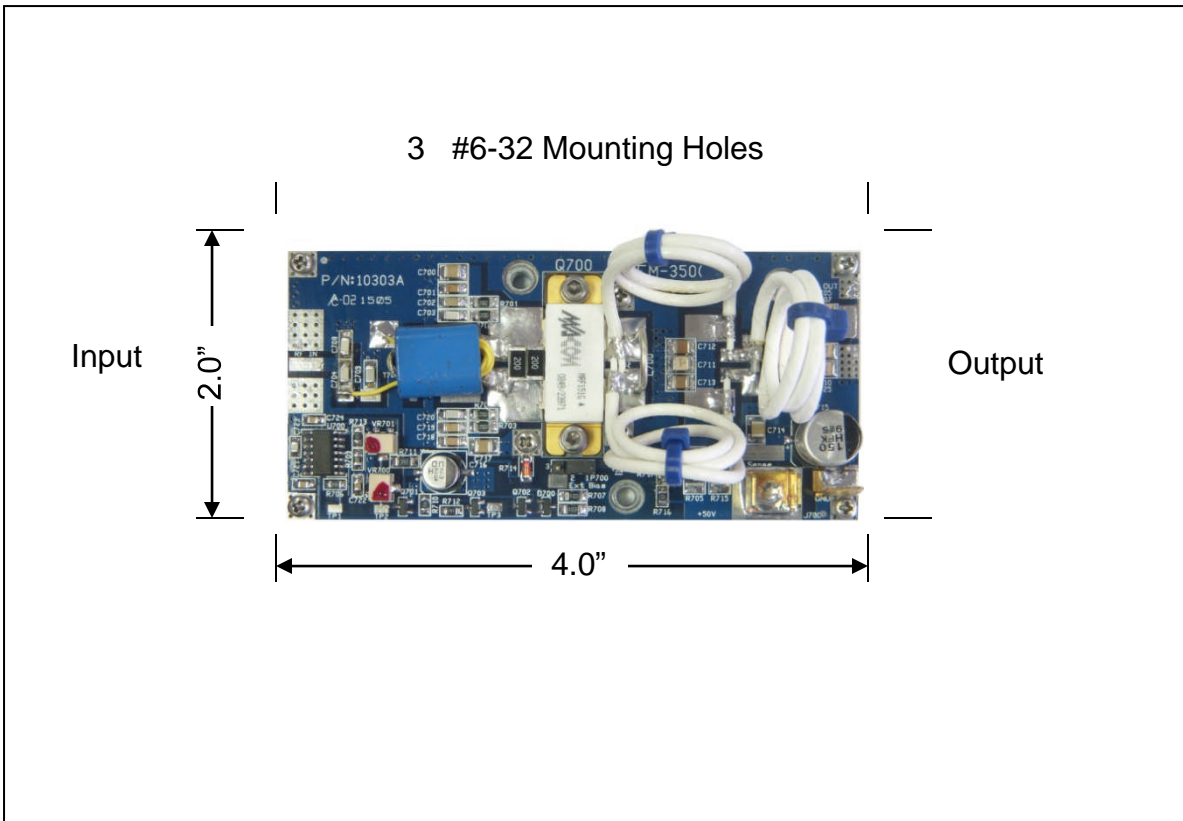
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1 of 3



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Reference Circuit



Reference circuit size (not to scale)

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Revision History:	6/1/06	Data Sheet
Previous Versions:	-	
Page	Subjects (major changes since last revision)	
Rev. 2	Changed Part Number	

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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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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