



# PM135-175-350

## 135-175 MHz – 350W

### Solid State Broadband High Power Module Amplifier

The PM1350-175-350 is a 350W module amplifier for the 135-175MHz band. Superior performance is provided offering high gain, efficiency and power footprint using advanced broadband RF matching networks, and the finest MOSFET transistors available on the market today. Matched for 50 ohms input and output, thermal tracking bias allows the PM135-175-350 to operate Class AB providing 350 watts CW making this the natural choice for your high power broadband application in the 135-175MHz band.



Specifications (Vsupply=+28V Vdc, Idq=4.0A, TBase=25°C)				
Parameter	Min.	Typ.	Max.	Unit
Frequency	135		175	MHz
Pout CW	350			Watts
Gain	45			dB
Power In		9.5		dBm
Drain Current		22		Amps
Efficiency	50	58		%
Input Return Loss			-14	dB
Op Voltage	26	28	30	Volt
2 <sup>nd</sup> Harmonic		-45		dBc
3 <sup>rd</sup> Harmonic		-22		dBc
Dimensions	4.55"W x 10.25"L x 1.5"H 114.3mm x 254.0mm x 38.1mm			

## Features

- VSWR protection at 3:1
- Temperature shut down @ 60°C baseplate temperature
- Enable/Disable function, <1 sec.
- 50 ohms input/output
- No circuit tuning or RF assembly

Maximum Ratings	
Parameter	Value
Input Voltage	+30 VDC
Bias Current	+3.5 Amp
Drain Current	26 Amp
Load Mismatch, All Phase	3:1
<small>Angles, Drain Current Limited to 26A for 3 sec.</small>	
Baseplate Temp	+60°C
Storage Temp	-40° - +105°C

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1 of 3



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**Connector Pin Out**

Vcc – Feed through  
Enable/disable – Feed through  
Ground – Lug  
RF In – SMA  
RF Out – N-type

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Revision History:

02/01/10

Data Sheet

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](mailto:Bob.Todd@PMTRF.com)

To request other information please call 1-775-883-1122

Attention please:

The information herein is given to describe certain components and shall not be Considered as a guarantee of characteristics. Terms of delivery and rights to Technical change reserved.

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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