



# CORRY MICRONICS, INC **PRODUCT SPECIFICATION**

## **PA100W-700-2700M** **High Power Broadband Amplifier Specifications**

<b>Electrical Specifications</b>	
Frequency Range	700-2700 MHz
Small Signal Gain	52dB typical
Psat	100 W typical
Gain Variation @ Psat	+/- 3 dB
Input Return Loss	-10dB max
Intermodulation @ 43dBm/Tone, 1MHz Spacing	-30dBc
Spurious Signals	-60dBc
Operating Voltage	28VDC typical, 29VDC max
Current @ Psat	14A typical, 16A max
Quiescent Current	2.3 A Normal Mode 1.6A Reduced Bias Mode

<b>Mechanical &amp; Environmental Specifications</b>	
Operating Case Temperature	-20 to +80 degrees C
Housing Material	Aluminum
Power and I/O Connector	9 Pin Dsub
RF Connectors	SMA
Dimensions	187mm x 91.5mm x 30mm
Mounting	Through holes located at 4 corners
Storage Temperature	-40 to +85 degrees C

<b>Protection Specifications</b>	
Load VSWR	10:1 @ all phase angles
Over Temperature Protection	Yes

**CALL OUR SALES DEPARTMENT FOR MORE INFORMATION OR VARIATIONS OF THIS PRODUCT.**

**Corry Micronics, Inc. One Plastics Rd. - Corry, PA 16407**  
**(724) 940-7556 ext. 138 Fax (724) 940-7707 [www.cormic.com](http://www.cormic.com)**

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## Monitoring and Control Specifications

Bias Control

Logic level input that controls amplifier bias current.

State 1= Normal Bias

State 2= Reduced Bias

Bias current reduction of approximately 700mA is expected in State 2

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