

# PRODUCT DATASHEET <sup>v5</sup>

## VM2F 500MHz-2500MHz 70W PA



- **Broadband 500MHz to 2500MHz**
- **70W Psat Typical**
- **45% Efficient**
- **Enable Rise / Fall Time 4µs/500ns**
- **Robust**

VM2F 500MHz TO 2500MHz is a wideband, high efficiency GaN Power Amplifier suitable for use in a variety of ECM applications. It is particularly effective where efficiency is important on the application platform.

PARAMETER	MINIMUM	MAXIMUM	TYPICAL	COMMENTS
Frequency	500MHz	2500MHz		
Power Psat	58W	90W	70W	Tuned for optimum Broadband Psat performance
Power P1dB			50W	Designed for Psat Application
Gain	48dB		50dB	Max Input +7dBm
Gain variation		±2dB		@Psat
Harmonics		-9dBc	-20dBc	2nd Harmonic @ Psat
Current Consumption		8A	6A	Supply Voltage 28V @ Psat
Operating voltage	18V	34V		
Efficiency	32%	48%	40%	
Enable Rise Time			4µs	From 0% to 100% Power
Disable Fall Time			500ns	From 100% to 0% Power
Intermodulation		-18dBc	-25dBc	Two 10W Tones, 1MHz Spacing
Dimensions LxWxH				187mm x 91.5mm x 30.5mm
Weight			685g	
Connectors				SMA & 9 Pin D-type
Operating Temperature	-20°C	+80°C		Temperature measured @ PA Case
Thermal Protection				Fitted
Open/Short Survivability				10:1 VSWR at all Phase angles

