

1. Features

- ▶ High Performance
- ▶ High Reliability
- ▶ RoHS Compliant

20W 2000~6000MHz HPA

Part No: RMA4000 40 40 28

Date: JUNE 24, 2014

Revision No: 00

2. Electrical Specifications

Parameter	Specifications	Remark
Operating Frequency	2000 ~ 6000 MHz	
Output Power (Psat)	20 Watt	
Output power @1dB compression point	10 Watt	
Small Signal Gain	40dB	
Small Signal Gain Flatness @ Rated Psat	+/- 2dB	
Input Return loss	-6dB Typ.	
Power Added Efficiency(%) @ Psat	16% Typ.	
Third Order Intercept Point 2-Tone @ 33dBm/Tone, 100kHz Spacing	46dBm Typ	
2 nd /3 rd Harmonic @ Pout=10Watt	-20/-20 dBc	
Operating Voltage	28 Volt	
Supply Current @ Psat = 20W	4A	
Quiescent Current	3.5A	

3. Environmental Specifications

Parameter	Specifications	Remark
Operating Case Temperature	-20 ~ +70 degree	
Storage Temperature	-40 ~ +85 degree	
Relative humidity w/o condensation	95%	
Shock & Vibration MIL-STD-810E	Airborne	
Altitude	30000 feet	

4. Mechanical Specifications

Parameter	Specifications	Remark
Dimensions (L x W x H)	175.0 X 91.0 X 25.0mm	
Weight	1Kg	
RF Connectors In/Out	Type-SMA, Female	
Monitoring/DC Connectors	D-Sub 9 pin, Male	
Cooling	External Heatsink Required	

5. Mechanical Drawings

