

Wideband RF Power Amplifier CRF-PA-6000M8000M-100W	Frequency Range 6,000 – 8,000 MHz Rated Output Power 100 W	Connector Input: SMA-Female Output: N-Female Package Size 300 × 360 × 110 mm
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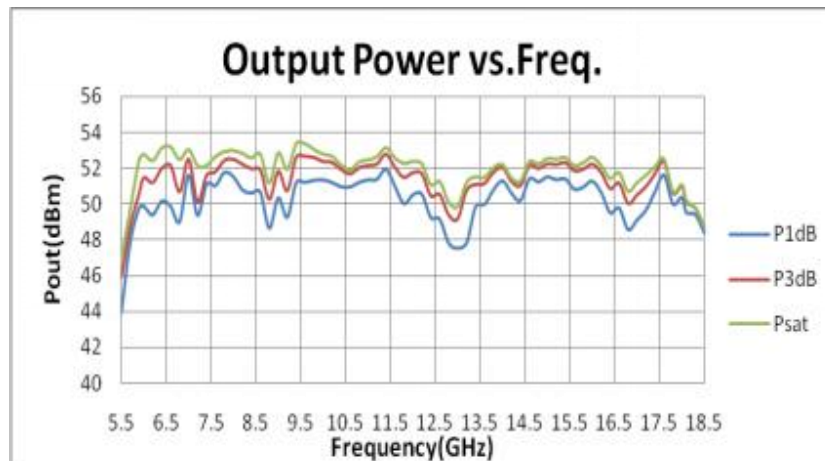
Electrical Characteristics

Test conditions: 50Ω system, unless otherwise specified.

Parameter	Min	Typ	Max	Units
Frequency Range		6,000 – 8,000 MHz		
Gain	50			dB
Gain Flatness	-2.5		2.5	dB
Input VSWR			2 : 1	
Input power			0	dBm
Rated Output Power	100			W
Power Supply		DC 28V		
Harmonics			-10	dBc
Spurious			-60	dBc
RF Connectors In/Out		Input: SMA-Female Output: N-Female		
Control Interface		7W2		
Dimensions		300 × 360 × 110		mm
Impedance		50		Ω
Operating Temperature	0		50	°C
Cooling Method		Air cooling		
Application		Test & measurement / communication / interference / aviation control		
Built-in protection		over-voltage, over- temperature, over- current and VSWR protection. Design based on advanced GaN technology.		

Appearance and Typical Performance

Front panel layout and typical saturated output power (Psat) characteristics.



Model CRF-PA-6000M8000M-100W	Package Size 300 × 360 × 110 mm	Gain 50dB
Connector Reference RF IN: SMA-Female RF OUT: N-Female Control: 7W2	Power / Cooling Supply: 28 VDC Cooling: Air cooling	Release Note Mechanical drawing is provided for installation reference. Final dimensions are subject to the production unit.

Applications Test & measurement / communication / interference / aviation control	Customization Options can be defined according to project requirements.
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Compliance / Quality Framework

RoHS Compliant	CE / FCC	ISO 9001	GJB 9001C
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Test data and pattern files can be supplied for project review where applicable.

Mechanical Outline

Complete outline drawing shown below for clear integration reference.

