

Wideband RF Power Amplifier CRF-PA-8000M12000M-100W	Frequency Range 8,000 - 12,000 MHz Power Output 100 W	Connector Input: SMA-Female Output: N-Female Package Size 255 × 245 × 80mm
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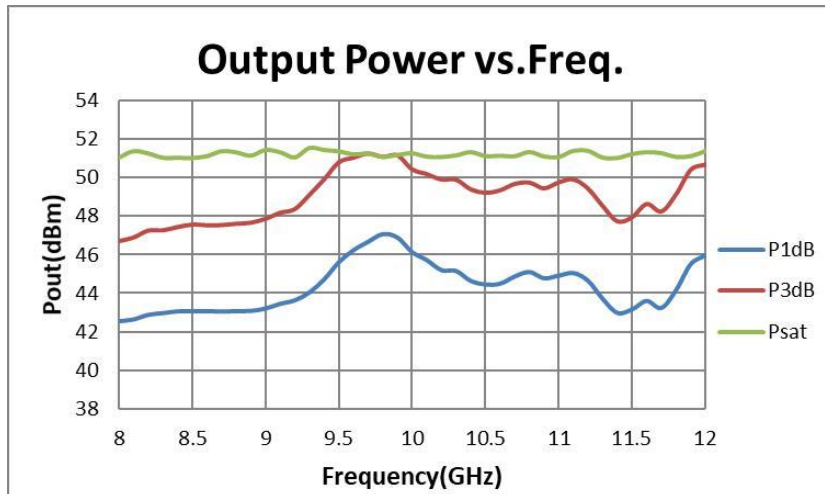
Electrical Characteristics

Test conditions: 50Ω system, unless otherwise specified.

Parameter	Min	Typ	Max	Units
Frequency Range		8,000 - 12,000 MHz		
Gain	52			dB
Gain Flatness	-3.5		3.5	dB
Input VSWR			2 : 1	
Input power			0	dBm
Pulse Output Power	100			W
Pulse Width	0.5		50	us
Duty Cycle	0		10	%
Power Supply		DC 28V		
Harmonics			-20	dBc
Spurious			-60	dBc
RF Connectors In/Out	Input: SMA-Female Output: N-Female			
Control Interface		CAN		
Dimensions		255 × 245 × 80		mm
Impedance		50		Ω
Operating Temperature	0		50	°C
Cooling Method		Heatsink required		
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-8000M12000M-100W	Package Size 255 × 245 × 80 mm	Gain 52dB
Connector Reference RF IN: SMA-Female RF OUT: N-Female Control: CAN	Power / Cooling Supply: 28 VDC Cooling: Heatsink required	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 Optional forward/reverse power monitoring, over-input protection and GPIB communication interface are available.
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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.