

Wideband RF Power Amplifier CRF-PA-4000M8000M-120W	Frequency Range 4,000 – 8,000 MHz	Connector N-Female
	Rated Output Power 120 W	Package Size 19", 4U

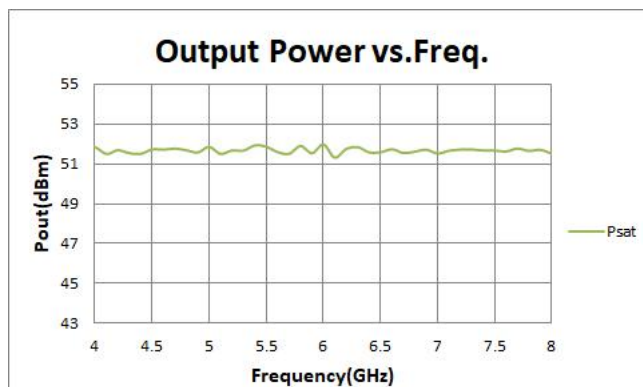
Electrical Characteristics

Test conditions: 50Ω system, unless otherwise specified.

Parameter	Min	Typ	Max	Units
Frequency Range		4,000 – 8,000 MHz		
Gain	51			dB
Adjustable Gain			20	dB
Gain Flatness	-4		4	dB
Input VSWR			2 : 1	
Input Power			0	dBm
Rated Output Power	120			W
Power Supply		AC 220 V ±10%, 50/60 Hz		
Harmonics			-10	dBc
Spurious			-60	dBc
RF Connectors In/Out		Input: N-Female Output: N-Female		
Control Interface		RS485、LAN		
Dimensions		19", 4U		
Impedance		50		Ω
Operating Temperature	0		50	°C
Cooling Method		Forced air cooling		
Noise Floor			-40	dBm/MHz
Application		Test & measurement / communication / interference / aviation control		
Notes		Built-in protection: over- voltage, over- temperature, over-drive and VSWR. Control: RS485、LAN.		

Appearance and Typical Performance

Front panel layout and typical saturated output power (P_{sat}) characteristics.



Model CRF-PA-4000M8000M-120W	Package Size 19", 4U	Gain 51dB
Connector Reference RF IN: N-Female RF OUT: N-Female Control: RS485、LAN	Power / Cooling Supply: AC 220 V ±10%, 50/60 Hz Cooling: Forced 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 Optional forward/reverse power monitoring, input power detection and GPIB control 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.

Mechanical Outline

Complete outline drawing shown below for clear integration reference.

