

Wideband RF Power Amplifier CRF-PA-600M6000M-50W	Frequency Range 600 – 6,000 MHz	Connector Input: SMA-Female Output: N-Female
	Rated Output Power 50 W	Package Size 250 × 110 × 30 mm

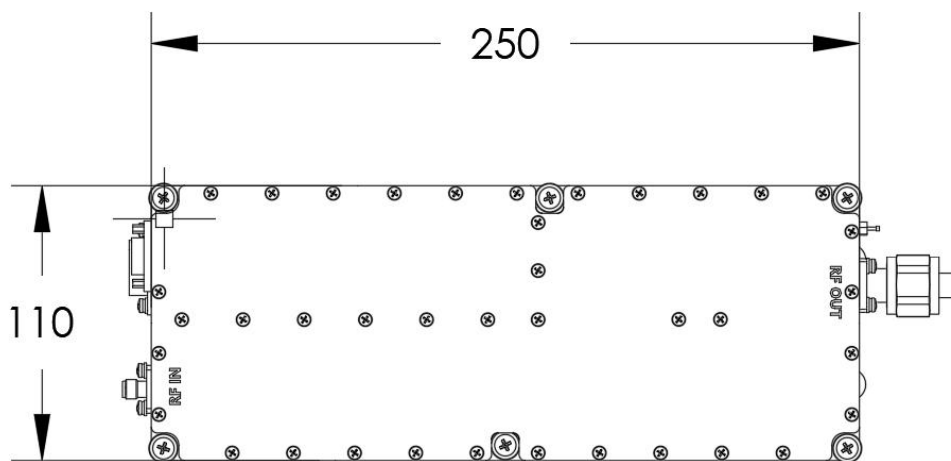
Electrical Characteristics

Test conditions: 50Ω system, unless otherwise specified.

Parameter	Min	Typ	Max	Units
Frequency Range		600 – 6,000 MHz		
Gain	47			dB
Gain Flatness	-4		4	dB
Adjustable Gain			20	dB
Input VSWR			2 : 1	
Input Power			0	dBm
Rated Output Power	50			W
Power Supply		28		V
Harmonics			-10	dBc
Spurious			-60	dBc
RF Connectors In/Out		Input: SMA-Female Output: N-Female		
Control Interface		RS485		
Dimensions		250 × 110 × 30		mm
Test conditions		50		Ω
Operating Temperature	0		50	°C
Cooling Method		Air cooling		
Application		Test & measurement / communication / interference / aviation control		
Notes		Built-in protection: over-voltage, over- temperature, over- drive and VSWR. Control: RS485.Design based on advanced GaN technology.		

Mechanical Outline

Complete outline drawing shown below for clear integration reference.



Model CRF-PA-600M6000M-50W	Package Size 250 × 110 × 30 mm	Gain 47dB
Connector Reference RF IN: N-Female RF OUT: N-Female Control: RS485	Power / Cooling Supply: 28 V 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 Optional forward/reverse power monitoring, GPIB control interface and LAN remote control 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.