Wideband RF Power Amplifier

CRF-PA-6000M8000M-50W

Frequency Range
6,000 – 8,000 MHz

Rated Output Power
50 W

Connector
N-Female

Package Size
240*150*44.5mm

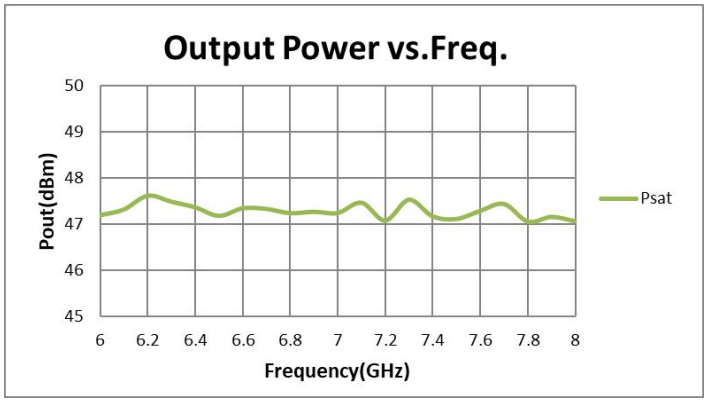
Electrical Characteristics

Test conditions: 50Ω system, unless otherwise specified.

Parameter	Min	Typ	Max	Units
Frequency Range		6,000 – 8,000 MHz		
Gain	47			dB
Gain Flatness	-4		4	dB
Input VSWR			2 : 1	
Input Power			0	dBm
Rated Output Power	50			W
Power Supply		28 VDC		
Harmonics			-10	dBc
Spurious			-60	dBc
RF Connectors In/Out		Input: N-Female Output: N-Female		
Control Interface		RS485		
Dimensions		240*150*44.5		mm
Impedance		50		Ω
Operating Temperature	0		50	℃
Cooling Method		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.		

Appearance and Typical Performance

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



Model	Package Size	Gain
CRF-PA-6000M8000M-50W	240*150*44.5mm	47dB
Connector Reference RF IN: N-Female RF OUT: N-Female Control: RS485	**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	Customization
Test & measurement / communication / interference / aviation control	Optional forward/reverse power monitoring, input power detection and GPIB control interface are available.

Compliance / Quality Framework

RoHS Compliant	CE / FCC	ISO 9001	GJB 9001C

Test data and pattern files can be supplied for project review where applicable.

Mechanical Outline

Complete outline drawing shown below for clear integration reference.