

Wideband RF Power Amplifier CRF-PA-80M1000M-2000W	Frequency Range 80 MHz - 1,000 MHz	Connector Input: N-Female Output: 7/16-Female
	Rated Output Power 2000 W	Package Size 1601 × 976 × 560 mm

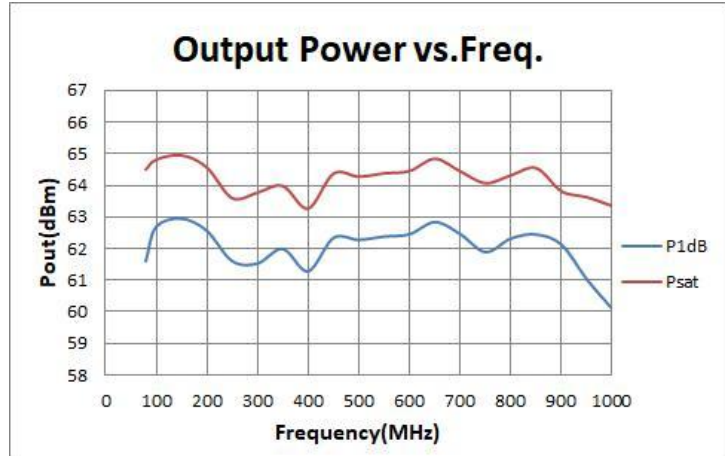
Electrical Characteristics

Test conditions: 50Ω system, unless otherwise specified.

Parameter	Min	Typ	Max	Units
Frequency Range		80 MHz - 1,000 MHz		
Gain	63			dB
Output P1 Power	1000			W
Gain Flatness			±5	dB
Input VSWR			1.5 : 1	
Input Power			0	dBm
Rated Output Power		2000(80 - 400 MHz) 1000 (400 - 1000 MHz)		W
Power Supply		AC 380V±10%,50/60Hz		
Power Consumption			13000	W
Harmonics			-10	dBc
Spurious			-60	dBc
RF Connectors In/Out		Input: N-Female Output: 7/16-Female		
Control Interface		RS485 / LAN		
Dimensions		1601 × 976 × 560 mm		
Impedance		50		Ω
Operating Temperature	0		50	°C
Storage Temperature	-20		60	°C
Cooling Method		Forced air cooling		
Application		Test & measurement / communication / interference / aviation control		
Built-in protection		over-voltage, over-current, open/short circuit, over-temperature (Alarm threshold: 75°C), over-drive and VSWR (Alarm threshold: 5:1).		

Appearance and Typical Performance

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



Model CRF-PA-80M1000M-2000W	Package Size 1601 × 976 × 560 mm	Gain 63dB
Connector Reference RF IN: N-Female RF OUT: 7/16-Female Control: RS485 / LAN	Power / Cooling Supply: AC 380 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 built-in or external bidirectional coupler is available.
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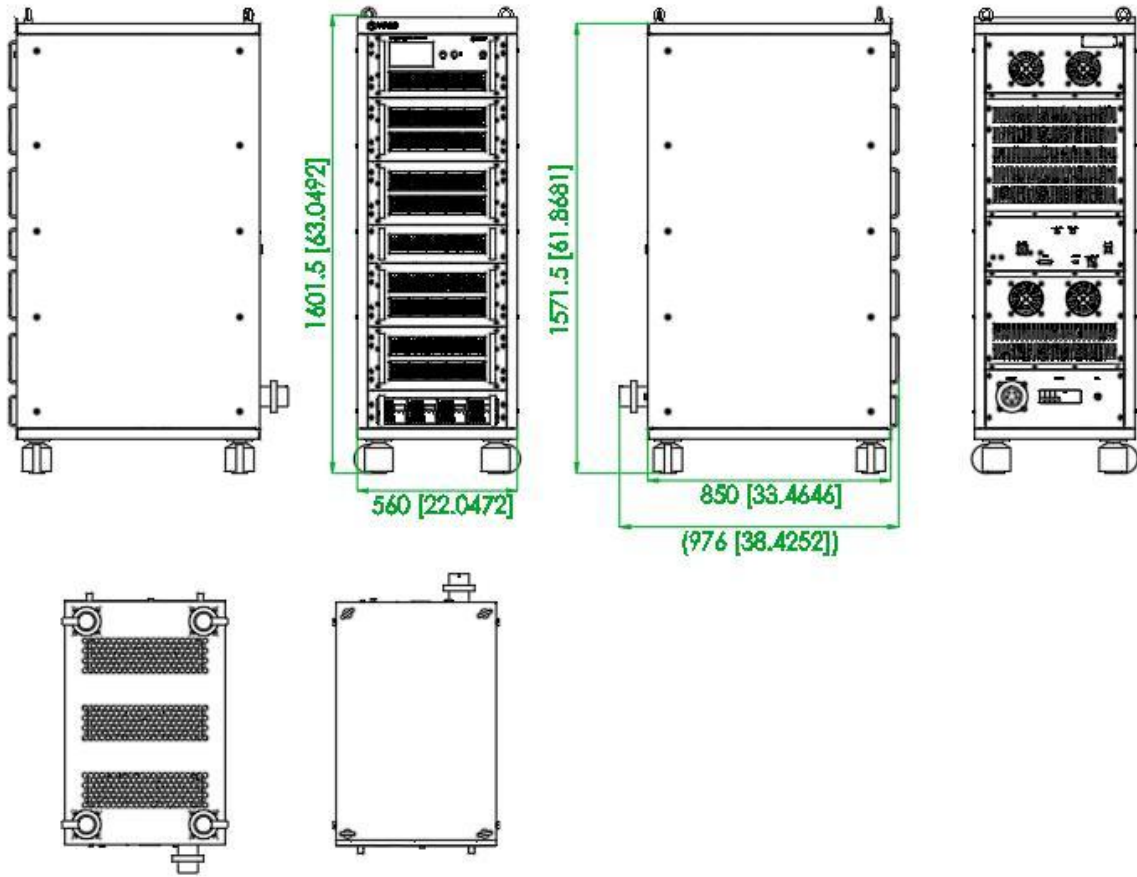
Compliance / Quality Framework

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.



Gain & VSWR Characteristics

Power gain and input VSWR versus frequency.

