Wideband RF Power Amplifier

CRF-PA-9K100M-3500W

Frequency Range
9 kHz – 100 MHz

Rated Output Power
3500 W

Connector
Input: N-Female
Output: 7/16-Female

Package Size/Weight
19", 25U/350kg

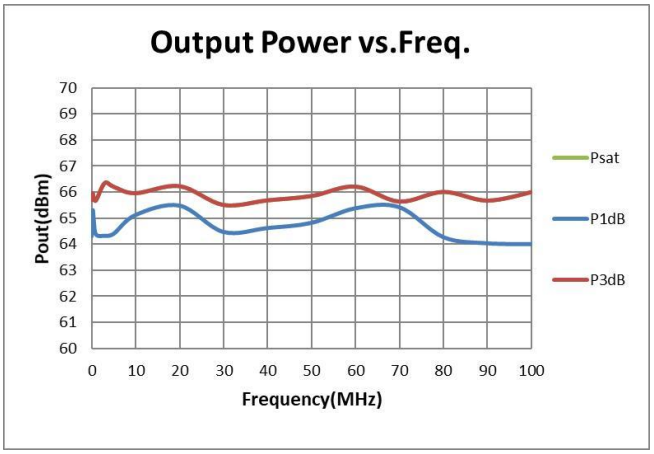
Electrical Characteristics

Test conditions: 50Ω system, unless otherwise specified.

Parameter	Min	Typ	Max	Units
Frequency Range		9kHz – 100 MHz		
Gain	66			dB
Gain Flatness	-2		2	dB
Input VSWR			2 : 1	
Input Power			0	dBm
Rated Output Power	3500			W
Output P1dB Power		2500		W
Power Supply		AC 380V±10%,50/60Hz		
Power Consumption		12.5		KW
Harmonics		-15		dBc
Spurious			-60	dBc
RF Connectors In/Out		Input: N-Female Output: 7/16-Female		
Coupling Connector	N-F			
Control Interface		RS485 / LAN		
Dimensions		955*560*1305		mm
Size		19", 25U		
Impedance		50		Ω
Storage Temperature	-15		60	℃
Operating Temperature	0		40	℃
Cooling Method		Forced air cooling		
Application		Test & measurement / communication / interference / aviation control		
Notes		over-voltage, over-current, open/short circuit, over-temperature (Alarm threshold: 60℃), over-drive and VSWR (Alarm threshold: 6:1).		

Appearance and Typical Performance

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



Model	Package Size	Weight
CRF-PA-9K100M-3500W	19", 25U,955*560*1305(mm)	350kg
Connector Reference RF IN: N-Female RF OUT: 7/16-Female Control: RS485 / LAN	**Power / Cooling** Supply: AC 380 V ±10%, 50/60 Hz, 3-phase Cooling: Forced 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 built-in or external bidirectional coupler is available.**

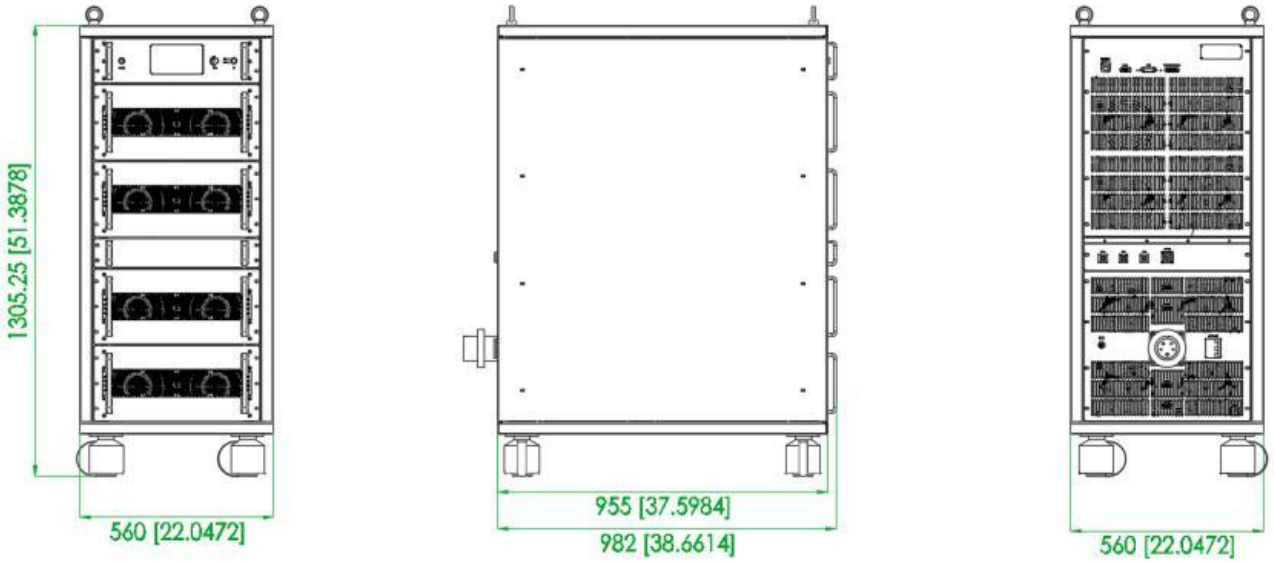
Compliance / Quality Framework

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.



Gain & VSWR Characteristics

Power gain and input VSWR versus frequency.