

Pulse RF Power Amplifier CRF-PA-2900M3200M-300W	Frequency Range 2,900 – 3,200 MHz Rated Output Power 300 W	Connector Input: SMA-Female Output: N-Female Package Size/Weight TBD/20kg
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Electrical Characteristics

Test conditions: 50Ω system, unless otherwise specified.

Parameter	Min	Typ	Max	Units
Frequency Range		2,900 – 3,200 MHz		
Gain	50			dB
Gain Flatness	-1		1	dB
Adjustable Gain		20		dB
Pulse Frequency		1 ~ 20 kHz		
Pulse Width		1 ~ 15		us
Input VSWR			2 : 1	
Duty Cycle		1 ~ 25		%
Pulse Rise/Fall Time			200	ns
Input power			2	dBm
Rated Output Power	300			W
P1 Output Power	250			W
Power Supply		24 VDC		
Pulse Droop		1		dB
Harmonics			-50	dBc
Spurious			-50	dBc
RF Connectors In/Out		Input: SMA-Female Output: N-Female		
Control Interface		RS422		
Pulse Control Interface		RS485-3.3V		
Dimensions		TBD		
Impedance		50		Ω
Operating Temperature	-30		50	°C
Noise Figure			10	dB
Cooling Method		Air cooling		
Noise Floor			-40	dBm/MHz
Application		Test & measurement / communication / interference / aviation control		
Built-in protection		over-voltage, over- temperature, over-drive and VSWR. Design based on advanced GaN technology.		

Model CRF-PA-2900M3200M-300W	Package Size TBD	Weight 20kg
Connector Reference RF IN: SMA-Female RF OUT: N-Female Control: RS422	Power / Cooling Supply: 24 VDC 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, 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.