



PASCAL-1Kw RF Generator

UNIRFTECH

Pascal 1000 SPECIFICATION

1. Physical Specification

Item	Description
Size	485(W) x 520(L) x 132(H);Full rack size
Weight	16Kg
Rack Mount Feature	19" rack
RF Output Connector	N-Type Female
AC Power Input	VCTF-3
Chassis(EMI) Ground	4∅ Standoff
User Port Connector	25-Pin D-sub, Female
Cooling	Forced Air
RS-232	9-Pin D-sub, Female
Front Panel	LCD Display(4X20)

Specification

2. Electrical Specification

Item	Description
Line Voltage	198 to 229Vac(nominal 220V \pm 10%),3 \emptyset no neutral connetion
Line Frequency	47 to 63Hz(50/60Hz \pm 5%)
Line Current	8.5A(Single Phase)
Overcurrent Protection	15A Circuit breaker on rear panel
Power Consumption	1.9KVA nominal at full rated output
Power Factor	0.95(Min) with full rated Output into 50Ohm,non-reactive load
Full Rated Output Power	1000W(Min) into a 50Ohm,non-reactive load
Output Power Range	1 to 1000W
Frequency	13.56Mhz, \pm 0.1%
Regulation	\pm 1% of setpoint or 5W(Whichever is greater) into a 50 Ohm load
Power Repeatability	\pm 0.5% of setpoints or 5W(Whichever is greater) into a 50 Ohm load

Specification

Item	Description
Response Time	<150ms for setpoints(rise/fall time from RF ON /OFF)
Reflected Power Limit	100W
Harmonics	>50dBc
Spurious Emission	>50dBc
Transient Response	Less than 0.1% change in output Power for a 10% change In the ac line voltage

3.Environmental Specification

Item	Description
Temperature	+5°C to +30°C(+41°F to +86°F) inlet temperature

Specification

4. User port connector & Status Indicator

- A. User control 25-pin

NO	Signal Name	Signal Type	Remark
1	Setpoint Status	Digital Output	
2	FWD PWR Monitor	Analog Output	
3	Setpoint	Analog INput	
4	RF STATUS	Digital Output	
5	INTERLOCK	Analog Input	
6~13	NC		
14	REFL PWR Monitor	Analog Output	
15	RF PWR ON/OFF	Digital Input	
16	GROUND	GND	
17~25	NC		

Specification

B. AC Power Connector Pins

NO	Description	Remark
1,2	220V (Single Phase)	
3	Frame GND	
Case	EMI shield Ground	

5. Mounting Dimensions

