



Wideband Solid State Power Amplifier 18 – 26.5GHz 50W CW



Description

RF-Lambda's power amplifier is adopting complete solid state solution, featuring with high reliability, friendly interactive user interface, it has been widely used in various applications including wireless telecommunication medical, EMC etc.

- Excellent design, efficient cooling
- Standardized enclosure, easy for cabinet install
- Various protections, high reliability

Electrical Specifications

Parameter	Min.	Typ.	Max.	Units
Frequency Range	18		26.5	GHz
Gain	42			dB
Gain Flatness			±7	dB
2 nd Harmonic Wave			-20	dBc
Out-band Spurious		-50		dBc
Input Power (CW)			5	dBm
Output Power (CW)		50		W
Voltage	AC 110V or 220V±10% , 50/60Hz			
Fwd-Rev Coupling	-			
Protection	Over-VSWR		3	:1
	Over-heat		70	°C
	Over-drive	-		
Operational Temperature	0°C ~ +40°C			
Size (L*W*H)	448mm×600mm×177mm			
Enclosure Surface Finish	Spray paint, sand blast			
Rear panel	Input Interface	2.92-F Type		
	Output Interface	WR-42 Type		
	Fwd-Rev Coupling Interface	2.92-F Type		
	Power Supply Interface	Single phase (3 cords)		
Cooling Unit	Forced Air Cooling			
Controlling Interface	GPIB, LAN			

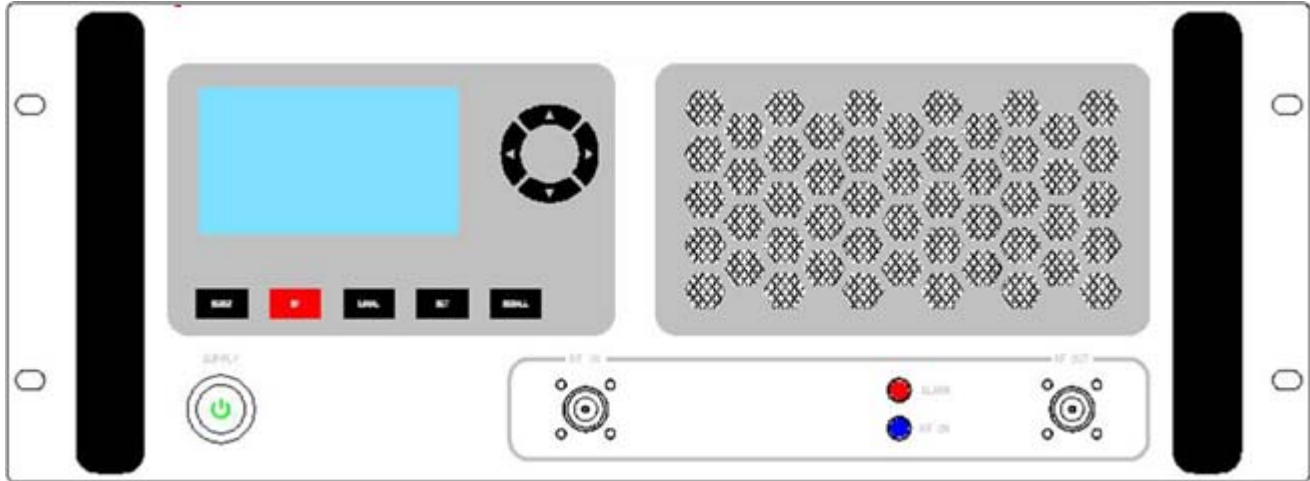
Wideband Solid State Power Amplifier 18 – 26.5GHz 50W CW



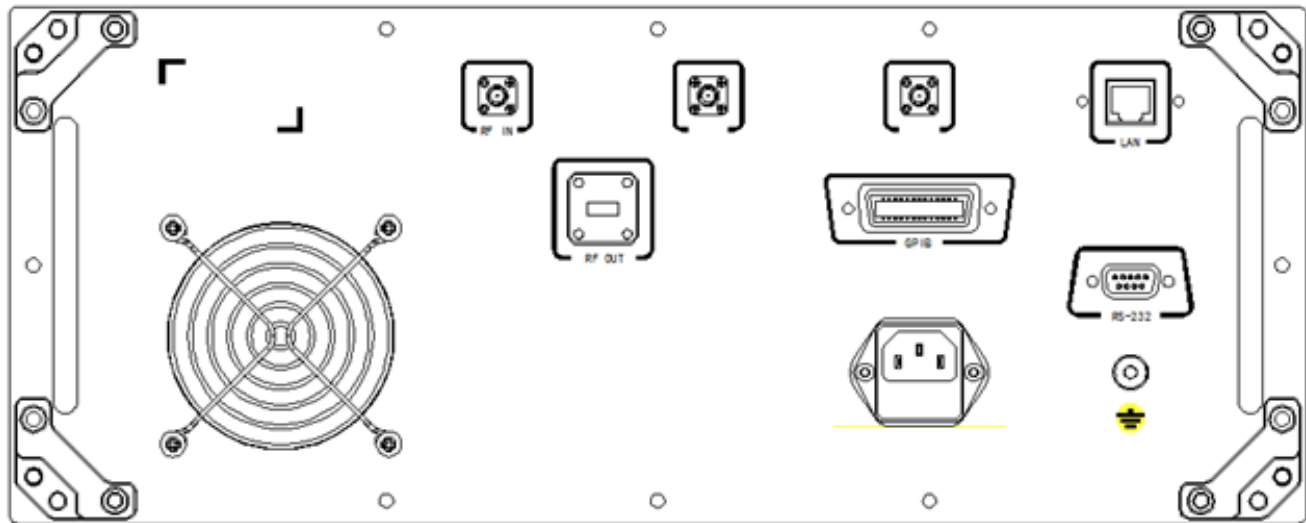
Product Exterior Structure

Remark: below drawing for reference only, subject to final drawing

Front panel



Rear panel



Important Notice

The information contained herein is believed to be reliable. RF-Lambda makes no warranties regarding the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for any of the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein is provided "AS IS, WHERE IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice. Customers should obtain and verify the latest relevant information before placing orders for RF-Lambda products. The information contained herein or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information. RF-Lambda products are not warranted or authorized for use as critical components in medical, life-saving, or life sustaining applications, or other applications where a failure would reasonably be expected to cause severe personal injury or death.