



2-18GHz 100W SOLID STATE HIGH POWER AMPLIFIER RACKMOUNT LPA02184650RM

FEATURES

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes, Field Removable connector
- Compact/Rugged Thin-Film Construction

APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics

ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	2		18	GHz
Gain	46			dB
Gain Flatness		±3		dB
Input RF Power Range	-10		0	dBm
Output Power(Psat)	100			Watt
Input RF Test Coupling		-20		dBc
Input RF Coupling Accuracy		±4		dB
Output RF Test Coupling		-40		dBc
Output RF Coupling Accuracy		±4		dB
Spurious			-55	dBc
Harmonic		-10		dBc
Input VSWR		2:1		Ratio
Input voltage		220V/50Hz		Volt
Efficiency	10	15		%

Note:LCD display:Input Power,Output Power,REV Power,Temperature,VSWR,Voltage,Current .

Note:1.Air forced cool.

2.with input and output test coupling output .

3.Output Open Protection、 Output short Protection、 Over Voltage Protection、 Over Current Protection, and Output Monitor Alarm.

4.Output VSWR Protection Output

5.monitor SSPA Input power、 Output Power、 Reflection power.

6.with SSPA module work Voltage ,current ,temperature monitor function .

7.Local and remote monitoring interface: RS485、 LAN.

8.with heat sink wind pressure monitor and output alarm.

9.Control and monitoring interface:RS485、 LAN.



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ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power				dBm
Operating Temperature	0		+50	°C
Non-operating Temperature	-20		+70	°C
Relative humidity (non-condensing)		90		%
Altitude		TBD		feet
Shock / Vibration		TBD		

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	19' 4U D:500mm	Max	Millimeter
Weight	15	Max	Kg
RF Connectors Input	SMA-F		
RF Connectors output	N-F		
Test Coupling Connectors Input	SMA-F		
Test Coupling Connectors Output	SMA-F		
Impedance			ohms

OUTLINE DRAWING(mm):

