



30-40GHz 1000W SOLID STATE HIGH POWER AMPLIFIER RACKMOUNT LPA30406060RM

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	30		40	GHz
Small Signal Gain	60			dB
Small Signal Gain Flatness		±3		dB
Noise Figure				dB
Peak Output Power (P _{sat})	1000			Watt
IP3				dBm
Duty Cycle			10	%
RF Pulse	1.rise time :≤100ns; 2.delay time :≤150ns			
Power supply enable	1.TTL control; 2.DC Power rise time :≤2us; 3.DC Power delay time :≤5us			
Pulse Width		0.4	1	ms
Spurious Signals			-60	dBc
Harmonics			-15	dBc
VSWR		2:1		Ratio
Input Voltage	220VAC			
Human-computer Interface	LCD display information:Voltage,Current,Gain			
Program Control Interface	RS232 and Ethernet			

Note:over temp protection:80°C.

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Input power Protection			+10	dBm
Operating Temperature	-20		+50	°C
Non-operating Temperature	-40		+85	°C
Relative humidity (non-condensing)		90		%
Altitude		TBD		feet
Shock / Vibration		TBD		



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MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	19' 3U(D:500mm)		Milimeter
Weight	20		Kg
RF Connectors Input	WR28		
RF Connectors output	WR28		
Impedance			ohms

OUTLINE DRAWING(mm):

