



18-40GHz 10W SOLID STATE HIGH POWER AMPLIFIER RACKMOUNT LPA18404040RM

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	with coaxial switch divide two freq band amplifier 18-26.5GHz and 26.5-40GHz output			
Gain	40			dB
Gain Control@1dB Step	0		40	dB
Flatness		±3		dB
Output Power (Psat)	40			dBm
Spurious			-60	dBc
Harmonics		-15		dBc
VSWR		2:1		Ratio
Input Voltage	220VAC			
Human-computer Interface	LCD display information:Voltage,Current,Gain,Temperature,SSPA Control Switch on/off			
Program Control Interface	USB,RS232 and Ethernet			

Note:Over Temperature Protection; Over Voltage Protection; Over Current Protection;Power On Timing Protection.

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)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		



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MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	19' 1U(D:500mm)		Milimeter
Weight	10		Kg
RF Connectors Input	2.92mm-F		
RF Connectors output	2.92mm-F		
Impedance	50		ohms

OUTLINE DRAWING(mm):

