泰莱微波
Talent Microwave

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Model:TLPA40G60G-40-40-BC

Solid State High Power Amplifier Systems 40-60GHz,Gain:40dB,Psat:40dBm,220V AC

Feature:

- Wide Band: 40-60GHz
- Gain: 40dBm Min
- Psat Output Power:40dB Min
- Protection:Over TEM,over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Symbo	Min	Typ	Max	Units
Frequency range	BW	40-60			GHz
Gain	GP	40			dB
Gain flatness	ΔGL		±4.5		dB
Output Psat	Psat	40			dBm
Spurious	Spur			-50	dBc
Harmonics	HAM			-30	dBc
Input VSWR	VSWRin			2	:1
AC Voltage	Vac	220			V AC
Power Consumption	Pdiss	320@Max			Watts
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input/Output Connector	1.85 Female/WR19	
Communication Interfaces	RJ45/DB9	
Front Panel LCD Screen Display	7 Inch LCD Screen Display	
Size	19 Inch 4U*550 depth	mm
Weight	35	Kg

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

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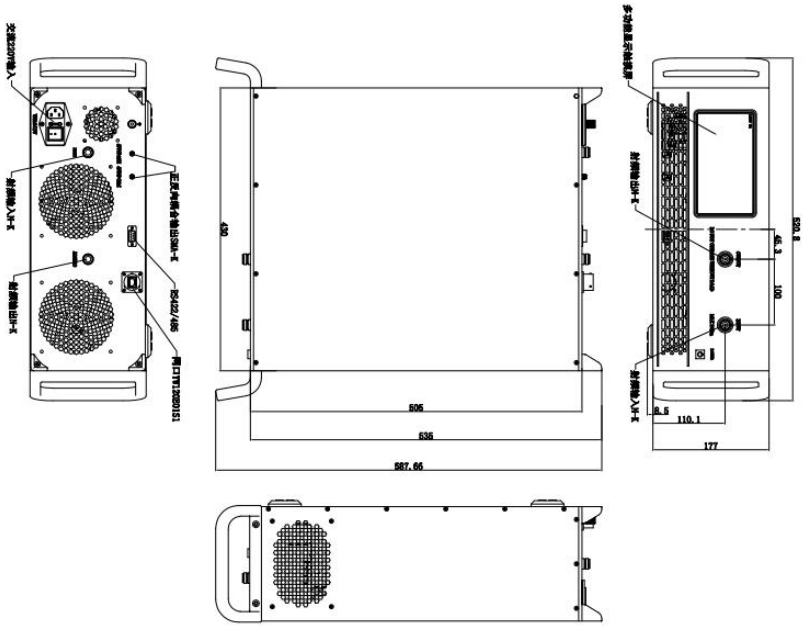
Outline Drawing:

Unit: mm



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ELECTROSTATIC SENSITIVE
DEVICES

Kye Features:

Parameter	Advantages
Control	RS422/Ethernet
Protection functions	1,Over TEM 2,Over voltage 3,Over current protection 4,Over VSWR
Control functions	1, Power setting On/Off 2,ALC
Cooling system	Built in Cooling system,forced air cooling

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Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+50	℃
Non-operating Temperature	-45		+65	℃
Relative humidity		95		%
Altitude	50000			feet
Shock / Vibration(MIL-STD- 810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA40G60G-40-40-BC	Solid State High Power Amplifier Systems 40-60GHz,Gain:40dB,Psat:40dBm,220V AC,Built in Fan Cooling	Rev.1.0