

Model:TLPA40G67G-40-37-BC

Solid State High Power Amplifier Systems 40-67GHz,Gain:40dB,Psat:37 dBm,220V AC

Feature:

- Wide Band: 40-67GHz
- Gain: 40dB Min
- Psat Output Power:37dBm 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	40-67			GHz
Power Gain	GP	40			dB
Output Psat	Psat	37			dBm
Spurious	Spur			-50	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac		220		V AC
Power Consumption	Pdiss	200@Max			W
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

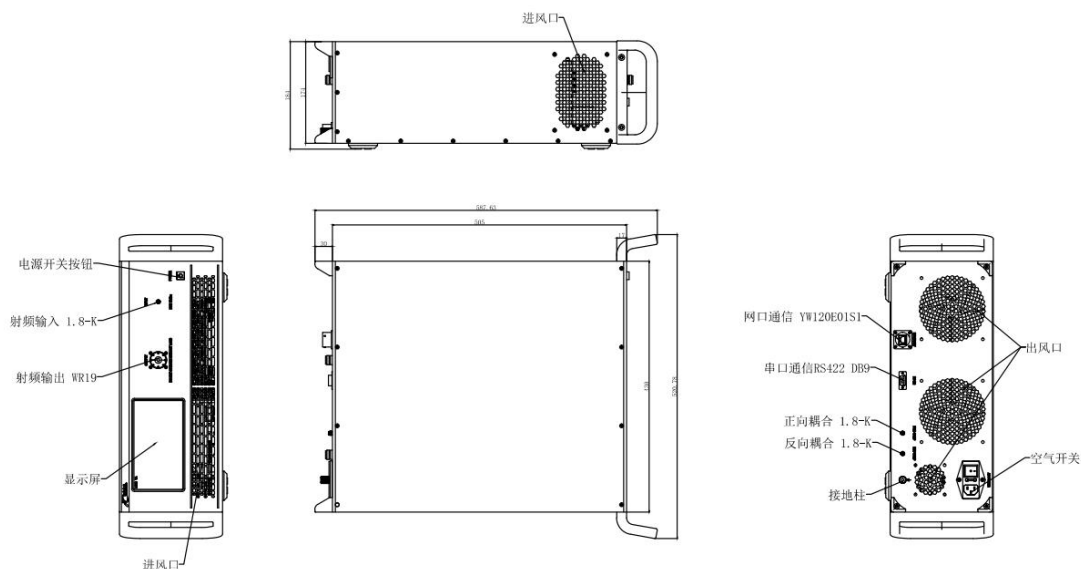
Parameter	Value	Units
Input /Output Connector	1.85mm Female/WR19	
Communication Connector	DB9/RJ45	
Size	19 Inch 3U*550	mm
Weight	≤30	Kg

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	5 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



Key Features:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Parameter	Advantages
Control functions	1, Power setting On/Off 2, Output power control
Display functions	1, Output/reflect power 2, Fault informations
Protection functions	1, Over TEM 2, Over voltage 3, Over current 4, Over VSWR
Remote control	RS422/Ethernet
Cooling system	Built in Cooling system, forced air cooling

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature*	-20		+50	°C
Non-operating Temperature*	-30		+60	°C
Relative humidity		95		%
Altitude	10000			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			

*Note: For a wider temperature range, please consult the manufacturer.

Ordering Information:

Part Number	Description	Revision
TLPA40G67G-40-37-BC	Solid State High Power Amplifier Systems 40-67GHz,Gain:40dB,Psat:37 dBm,220V AC,Built in Fan Cooling	Rev.1.0