

Model:TLPA26.5G40G-50-50-BC

**Solid State High Power Amplifier Systems
26.5-40GHz,Gain:50dB,Psat:50 dBm,220V AC**

Feature:

- Wide Band:26.5-40GHz
- Gain: 50dB Min
- Psat Output Power:50dB Min
- Protection:Over TEM,over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output



电气特性 Electrical Specifications:

参数Parameter	代码 Symbo	Min	Typ	Max	单位Units
频率范围 Frequency range	BW	26.5-40			GHz
增益 Gain	GP	50			dB
增益平坦度 Gain flatness	ΔGL		±4	±5	dB
饱和输出功率 Output Psat	Psat	50			dBm
杂散 Spurious@Pout=50dBm	Spur			-50	dBc
谐波 Harmonics@Pout=50dBm	HAM			-30	dBc
输入驻波 Input VSWR	VSWRin			2.0	:1
交流电压 AC Voltage	Vac	220			V AC
功耗 Power Consumption	Pdiss	2500@Max			Watts
阻抗 Impedance	I/O-IMP	50			Ohms

机械特性 Mechanical Specifications:

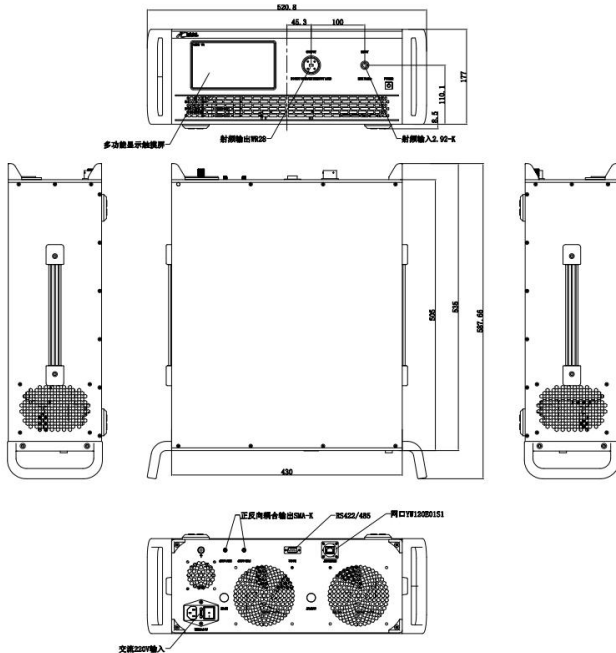
参数 Parameter	指标 Value	单位 Units
输入输出接口 Input /Output Connector	2.92 Female WR28	
通信接口 Communication Interfaces	RJ-45/DB9	
尺寸 Size	19 Inch 4U*550 depth	mm
重量 Weight	35	Kg

绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
输入功率 RF INPUT POWER	10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm



主要功能 Key Features:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

参数 Parameter	特点 Advantages
控制功能 Control functions	1, Power setting On/Off 2, Output Power Adjust
显示功能 Display Function	Display the output power, reflected power and fault informations.
内置保护功能 Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
控制 Control	RS422/Ethernet
冷却系统 Cooling system	Built in Cooling system, forced air cooling

温度环境 Environmental Conditions:

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-20		+50	°C
存储温度 Non-operating Temperature	-45		+65	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50000			feet
震动 Shock / Vibration(MIL-STD- 810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号 Revision
TLPA26.5G40G-50-50-BC	Solid State High Power Amplifier Systems 26.5-40GHz, Gain:50dB, Psat:50 dBm, 220V AC, Built in Fan Cooling	Rev.1.0