

**Model:TLPA18G40G-40-40-BC**
**Solid State High Power Amplifier Systems  
 18-40GHz,Gain:40dB,Psat:40dBm,220V AC**
**Feature:**

- Ultra Wide Band: 18-40GHz
- Gain: 40dB Min
- Psat Output Power: 40dBm Min
- Protection:Over TEM,over input overpower ,over voltage, over current ,over output mismatch protection.
- 50 Ohm Matched Input / Output

**电气特性 Electrical:**

参数Parameter	代码Symbol	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	BW	18-40			GHz
增益 Power Gain	Gp	40			dB
增益平坦度Gain flatness	$\Delta$ GL		$\pm 4$	$\pm 5$	dB
饱和输出功率 Psat	Psat	40	41		dBm
饱和输出功率平坦度 Psat flatness	$\Delta$ Psat			$\pm 1.5$	dB
输入功率 Input Power	Pin	0		10	dBm
杂散 Non-Harmonic Spurious	Spur	-50			dBc
谐波 Harmonics	2nd			-25	dBc
输入驻波 Input VSWR	VSWRin			2.5	:1
交流电压 AC Voltage	Vac	220/50Hz			V AC
阻抗 Impedance	I/O-IMP	50			Ohms

**机械特性 Mechanical :**

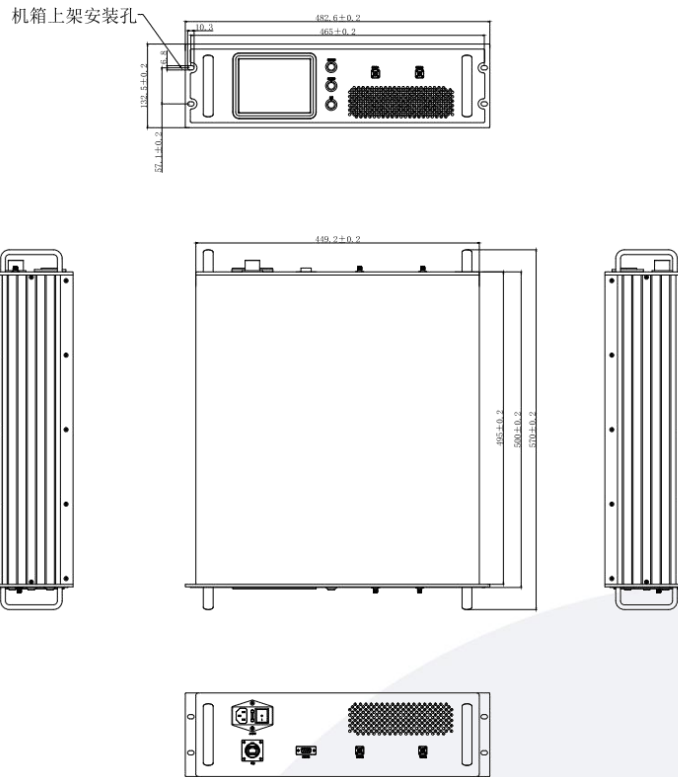
参数Parameter	指标 Value	单位Units
输入输出接口Input /Output Connector	2.92-K	
通信接口Communication Interfaces	RJ45/DB9	
尺寸 Size	19 Inch 3U	
重量 Weight	15	Kg

**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	220V AC
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(Inches)



主要功能 Key Features:

参数 Parameter	特点 Advantages
控制 Control	RS422/LAN, LCD Screen Display
控制功能 Control functions	1, Power setting On/Off 2, ALC
内置保护功能 Protection functions	1, Over TEM 2, Over voltage 3, over input overpower 4, Over current protection 5, Over output mismatch protection
冷却系统 Cooling system	Front to back forced air cooling fans makes this ideal for usage in test equipment racks

**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	50,000			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
TLPA18G40G-40-40-BC	Solid State High Power Amplifier Systems, 18-40GHz,Gain:40dB,Psat:40dBm,220V AC	Rev.1.0