

Model:TLPA26.5G40G-51-52-BC

**Solid State High Power Amplifier Systems
26.5-40 GHz,Gain:51dB,Psat:52dBm,220V AC**

Feature:

- Ultra Wide Band: 26.5-40 GHz
- Gain: 51dB Min
- Psat Output Power: 52dBm Typ
- 50 Ohm Matched Input / Output



电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	26.5-40			GHz
增益 Power Gain	51			dB
饱和输出功率 Psat		52		dBm
增益平坦度Gain Flatness		±4.5		dB
P-1dB	50			dBm
输入功率 Input Power	-3	0	10	dBm
杂散 Non-Harmonic Spurious@Pout=43dBm	50			dBc
谐波 Harmonics@Pout=43dBm	20			dBc
输入驻波比Input VSWR		2.0	2.5	: 1
输入功率 Input Power		0	10	dBm
交流电压 AC Voltage		220		V AC
功耗 Power Consumption			1850	W
阻抗 Impedance	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	2.92mm Female/WR28	
AC加电控制 AC Power Interface	Air switch	
尺寸 Size	19 Inch 6U	
重量 Weight	35	Kg

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	260V AC
输入功率 RF Input Power	10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

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			

功能Function:

保护 Protection	Over Temperature/Over Voltage/ Over Current/Over VSWR
控制/Control	RS422/LAN

尺寸图 Dimension: (mm)

