

**Model:TLPA26.5G40G-49-43-BC**
**Solid State High Power Amplifier Systems  
 26.5-40 GHz,Gain:49dB,Psat:43dBm,220V AC**
**Feature:**

- Ultra Wide Band: 26.5-40 GHz
- Gain: 49 dB Typ
- Psat Output Power: 43 dBm 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	46	49		dB
饱和输出功率 Psat		43		dBm
增益平坦度Gain Flatness		±4.5		dB
P-1dB	40			dBm
输入功率 Input Power		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			300	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 4U	
重量 Weight	30	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)

