

**Model:TLPA4.4G5G-70-60-BC**
**Power Amplifier**
**4.4-5GHz, Gain:70dB, PsatdB:60dBm**
**Feature:**

- Frequency: 4.4-5GHz
- Gain: 70dB Min
- Output Power: 60 dBm Min
- Good Power and Gain Flatness
- 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	4.4-5			GHz
增益 Gain	70	73		dB
增益平坦度 Gain Flatness		±2.0	±3.0	dB
噪声系数 Noise Figure				dB
线性输出功率P1dB		57		dBm
饱和输出功率Psat	60			dBm
杂散Spurious@60dBm			-60	dBc
谐波Harmonics@60dBm		-20		dBc
输入驻波 Input VSWR		1.5	2.0	:1
输出驻波 Onput VSWR				:1
交流电压 AC Voltage		220		VAC
功耗 Power Consumption	6000 Max@60dBm			Watt
阻抗 Impedance	50			Ohms

**机械特性 Mechanical :**

参数Parameter	指标 Value	单位 Units	备注 Notes
输入输出接口 Input /Output Connector	N- Female/ 7/16 DIN		
监控和控制接口 Monitor and control interface	D-SUB 15PIN		
尺寸 Size	12U Rack Mount Chassis		
重量 Weight	50	kg	

**绝对最大值 Absolute Maximum Ratings:**

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

**外形尺寸 Outline Drawing:**

Unit: mm

**温度环境 Environmental Conditions:**



参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	0		+50	°C
存储温度 Non-operating Temperature	-40		+85	°C
相对湿度 Relative humidity		98		%
海拔 Altitude	15,000			feet
冲击/震动 Shock / Vibration(MIL-STD-810F)	Designed for ground/base/ vehicle use			

**订货信息 Ordering Information:**

标准型号 Part Number	描述 Description	版本号Revision
TLPA4.4G5G-70-60-BC	Power amplifier 4.4-5GHz, Gain:70dB, Psat:60dBm, 220V AC, Built in Fan Cooling	Rev.1.0