

Model:TLPA2.7G3.5G-59-59-BC

Solid State High Power Amplifier Systems 2.7-3.5GHz,Gain:59dB,Psat:59 dBm,220V AC

Feature:

- Wide Band: 3.1-3.4GHz
- Gain: 59dB Min
- Psat Output Power:59dBm 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	2.7-3.5			GHz
小信号增益 Small Signal Gain	SSGP	59			dB
增益平坦度 Gain flatness	Δ GL		± 3		dB
饱和输出功率 Output Psat	Psat	59			dBm
杂散 Spurious@Pout=59dBm	Spur			-60	dBc
谐波 Harmonics@Pout=59dBm	HAM			-20	dBc
输入驻波 Input VSWR	VSWR			2	:1
交流电压 AC Voltage	Vac		220		V AC
功耗 Power Consumption	Pdiss	4000@Max			W
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	N Female/N Female	
正向/反向耦合 Forward/Reverse Coupling	SMA Female/SMA Female	
尺寸 Size	19 Inch 4U*550	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

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
TLPA2.7G3.5G-59-59-BC	Solid State High Power Amplifier Systems 2.7-3.5GHz,Gain:59dB,Psat:59 dBm,220V AC,Built in Fan Cooling	Rev.1.0