

Model:THPA0.3G6G-50-50-BC

Solid State High Power Amplifier Systems 0.3-6 GHz, Gain:50dB, Psat:50dBm, 220V AC

Feature:

- Ultra Wide Band: 0.3-6 GHz
- Gain: 50 dB Min
- Psat Output Power: 50 dBm Min
- Protection: Over TEM, Over voltage, Over current protection.
- 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	0.3-6 Band A:0.3-2 Band B:2-6			GHz
增益 Power Gain	50			dB
增益可调范围 Gain adjustable range		31.5		dB
增益可调步进 Gain adjustable Step		0.5		dB
饱和输出功率 Psat	50			dBm
杂散 Non-Harmonic Spurious	-50			dBc
谐波 Harmonics@Pout=100W		-10		dBc
输入驻波 Input VSWR			2.0	:
输入功率 Input Power		0	10	dBm
交流电压 AC Voltage		220		V AC
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	N Female	
AC加电控制 AC Power Interface	Air switch	
尺寸 Size	19 Inch 5U	
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

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	-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
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