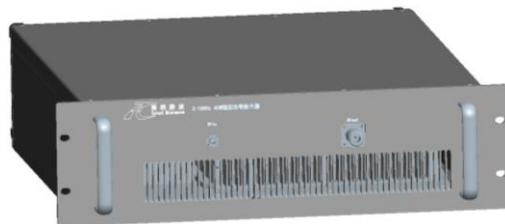


**Model:THPA1M200M-53-53-AC**

**Solid State High Power Amplifier Systems  
1-200 MHz,Gain:53dB,Psat:53dBm,220V AC**

**Feature:**

- Ultra Wide Band: 1-200 MHz
- Gain: 53 dB Min
- Psat Output Power: 53 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	1-200			MHz
增益 Power Gain	53			dB
增益平坦度 Gain Flatness			±3.0	dB
增益可调范围Gain adjustable range		23		dB
饱和输出功率 Psat	50			dBm
谐波 Harmonics@Pout=100W			-15	dBc
输入驻波 Input VSWR			1.3	:1
输入功率 Input Power			0	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	
通信端口 Communication Interfaces	GPIB/LAN	
尺寸 Size	500×480×212	mm
重量 Weight	TBD	Kg

**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	240V AC
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		+40	°C
存储温度 Non-operating Temperature	-15		+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 11msec 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
THPA1M200M-53-53-A	Solid State High Power Amplifier Systems, 1-200MHz, Gain: 53dB, Psat: 53dBm, 220V AC Protection: Over TEM, over voltage, over current protection.	Rev.1.1