

**Model:TLPA6G18G-58-58-BC**
**Solid State High Power Amplifier Systems  
 6-18GHz,Gain:58dB,Psat:58 dBm,380V AC**
**Feature:**

- Wide Band: 6-18GHz
- Gain: 58dB Min
- Psat Output Power:58dBm 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	6-18			GHz
增益 Gain	GP	58			dB
增益平坦度 Gain flatness	$\Delta$ GL		$\pm 4.5$		dB
饱和输出功率 Output Psat	Psat	58			dBm
线性输出功率 Output P1dB	P1dB		53		dBm
杂散 Spurious	Spur			-60	dBc
谐波 Harmonics	HAM		-15	-10	dBc
输入驻波 Input VSWR	VSWRin			2.0	:1
交流电压 AC Voltage	Vac		380		V AC
交流功耗 AC Input Power	Pdiss	12000@Max			Watts
阻抗 Impedance	I/O-IMP	50			Ohms

**机械特性 Mechanical Specifications:**

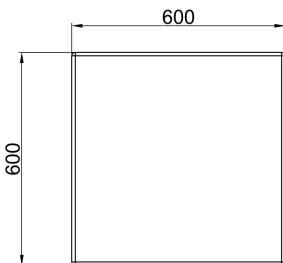
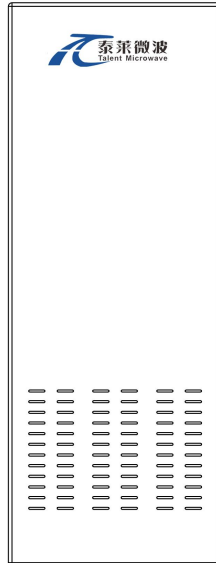
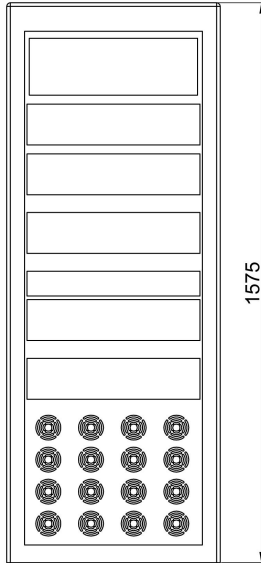
参数 Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	N Female WRD500D36	
程控接口 Network port Communication	RS422/LAN/GPIB/USB	
尺寸 Size	32U*800mm	
重量 Weight	260	Kg

**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

外形尺寸 Outline Drawing:

Unit: mm



主要功能 Key Features:

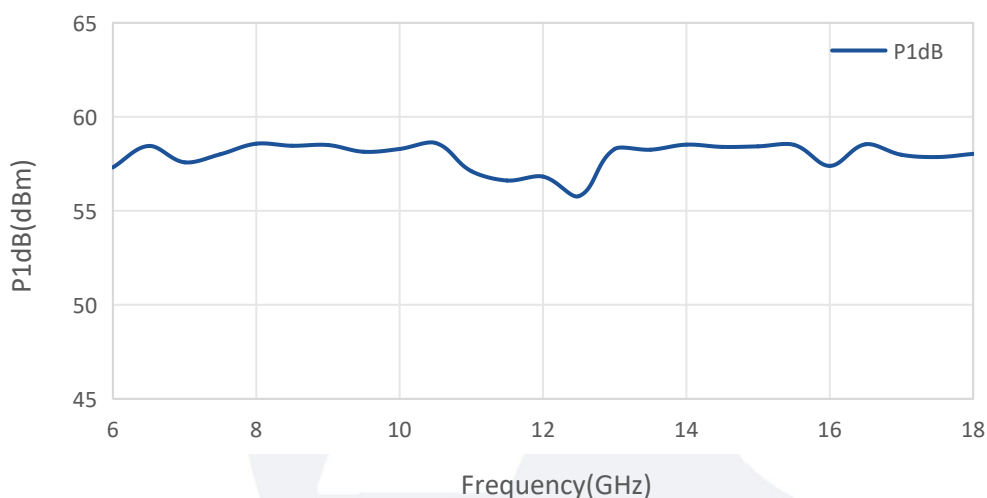
参数 Parameter	特点 Advantages
控制功能 Control functions	1, Power setting On/Off
内置保护功能 Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
通信功能 Communication functions	RS422/LAN/GPIB/USB
冷却系统 Cooling system	Built in Cooling system, forced air cooling

**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	-40		+85	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	15000			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			

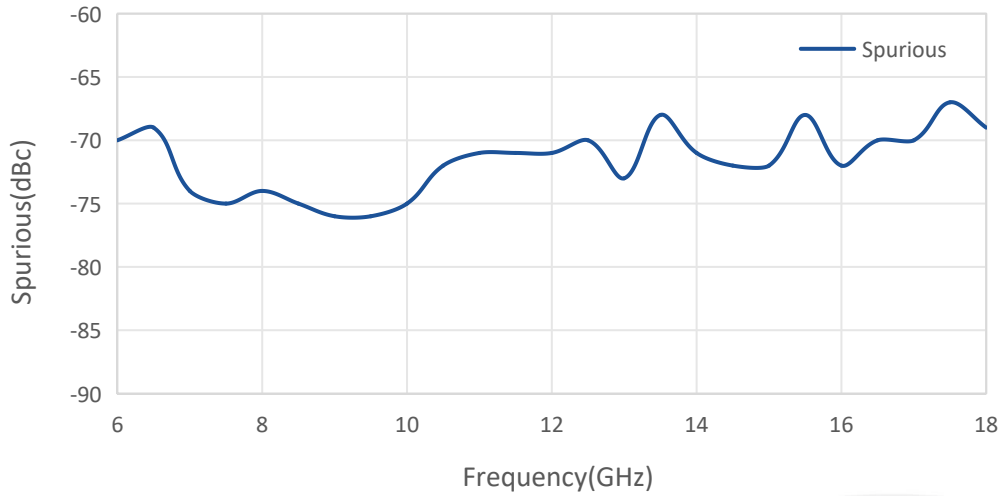
**订货信息 Ordering Information:**

标准型号 Part Number	描述 Description	版本号 Revision
TLPA6G18G-58-58-BC	Solid State High Power Amplifier Systems 6-18GHz, Gain:58dB, Psat:58 dBm, 380V AC, Built in Fan Cooling	Rev.1.0

**典型曲线 Typical Performance Data:**
**P1dB vs Frequency**


典型曲线 Typical Performance Data:

Spurious vs Frequency



Harmonic vs Frequency

