泰莱微波
Talent Microwave

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Model:TMLA-260350-2511-02

Low Noise Amplifier
260-350GHz, NF:12 dB, Gain:25 dB

Feature:

- Ultra Wide Band: 260-350 GHz
- Gain: 25dB Typ
- Noise Figure: 12dB Typ
- Unconditional stability
- 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	260		350	GHz
增益 Gain		25		dB
噪声系数 Noise Figure		12		dB
输出功率1dB压缩点Output P1dB		-5		dBm
输入驻波 Input VSWR		3.0		： 1
输出驻波 Output VSWR		3.0		： 1
直流电压 DC Voltage		5		V DC
直流供电 DC power supply		100		mA
阻抗 Impedance		50		Ohms

机械特性 Mechanical :

参数Parameter	指标 Value
输入接口 Input Connector	WR-2.8/ UG-387/U
输出接口 Output Connecto	WR2.8/ UG-387/U
供电引脚 Power Supply Pin	Solder Pin
尺寸 Size	

Available 220V System Benchtop Amplifier

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+7V
输入功率 RF INPUT POWER	-10dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

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外形尺寸Outline Drawing:

Unit: mm

OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-10		+65	℃
存储温度 Non-operating Temperature	-45		+125	℃
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
TMLA-260350-2511-02	Low Noise Amplifier,260-350GHz, Noise Figure:12dB, Gain:25dB,5V DC,WR-2.8	Rev.1.1

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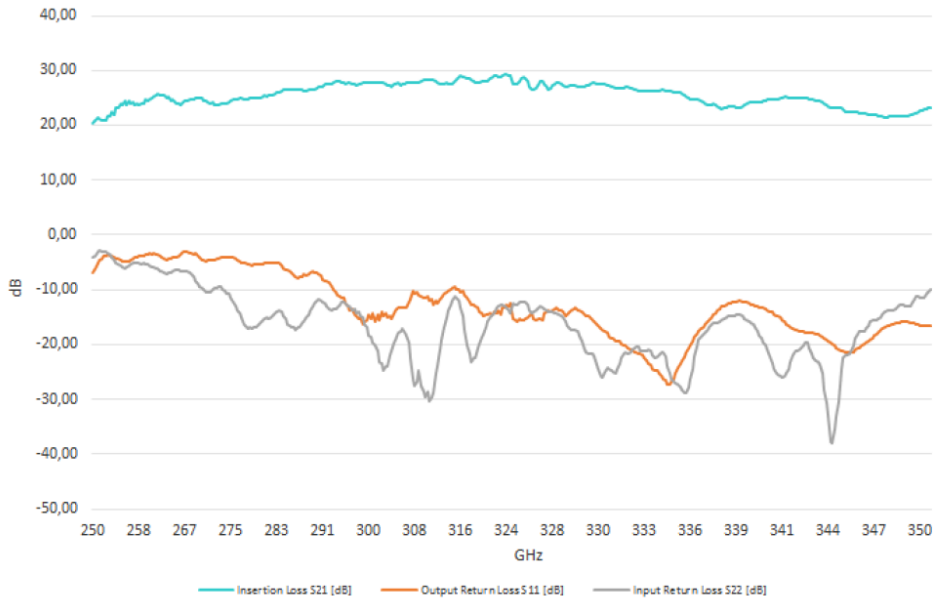
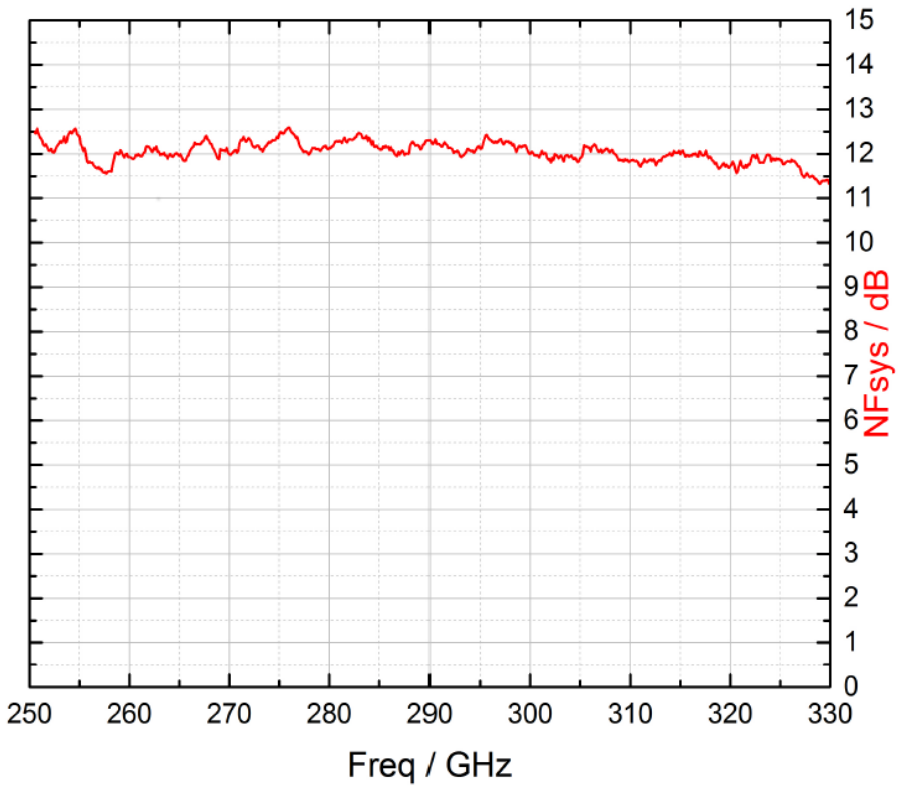
典型曲线 Typical Performance Data:

Gain &Return Loss



Noise Figure