

Model:SDLVA-0.1G20G-59
SDLVA
0.1-20 GHz, TSS:-59dBm,2.92mm Female
Feature:

- Broadband Frequency Response
- TSS :-59 dBm
- Fast Log Video Response Time
- Low Power Consumption
- Small Size

电气特性 Electrical Specifications:

参数 Parameter	测试条件 Test Conditions	Min	Typ	Max	单位 Units
频率范围 Frequency range		0.1-20			GHz
动态范围 Dynamic Range	±3dB Log Error		65		dBm
输出电压 Output Voltage	Pin=-53dBm		0.8		V
	Pin=+6dBm		1.7		
斜率 Slope	-53dBm~+6dBm		18		mV/dB
全温对数误差 Log Error@-40~+85°C	-53dBm~+6dBm		±3		dB
上升时间 RiseTime			5		ns
下降时间 FallTime			10		ns
直流电压 DC Voltage			5		V DC
直流电流 DC Supply Current				100	mA
阻抗 Impedance		50			Ohms

机械特性 Mechanical Specifications:

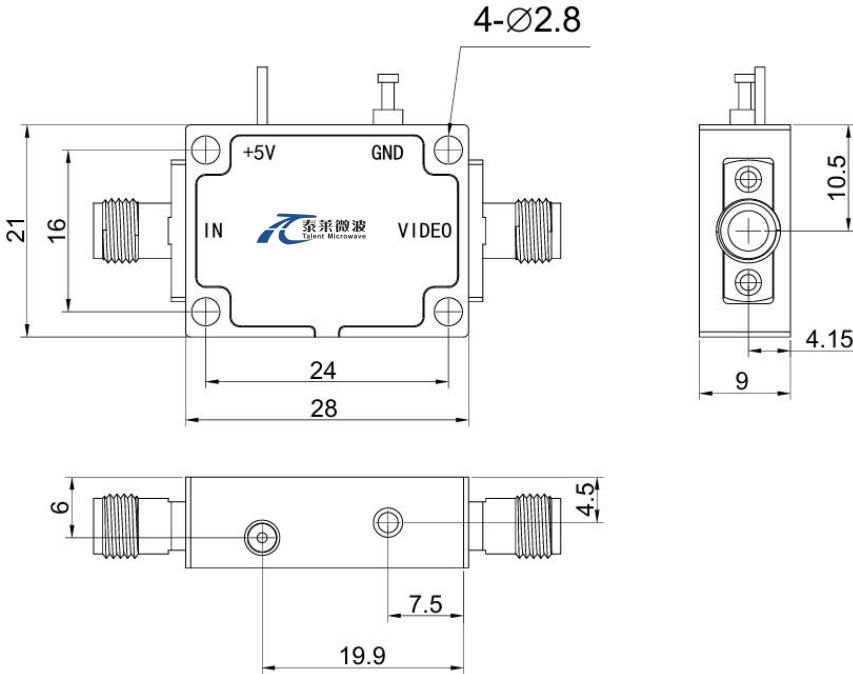
参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input /Output Connector	2.92mm Female/2.92mm Fmale	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	28*21*9	mm
重量 Weight	50	g

绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
输入功率 RF Input Power	8 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

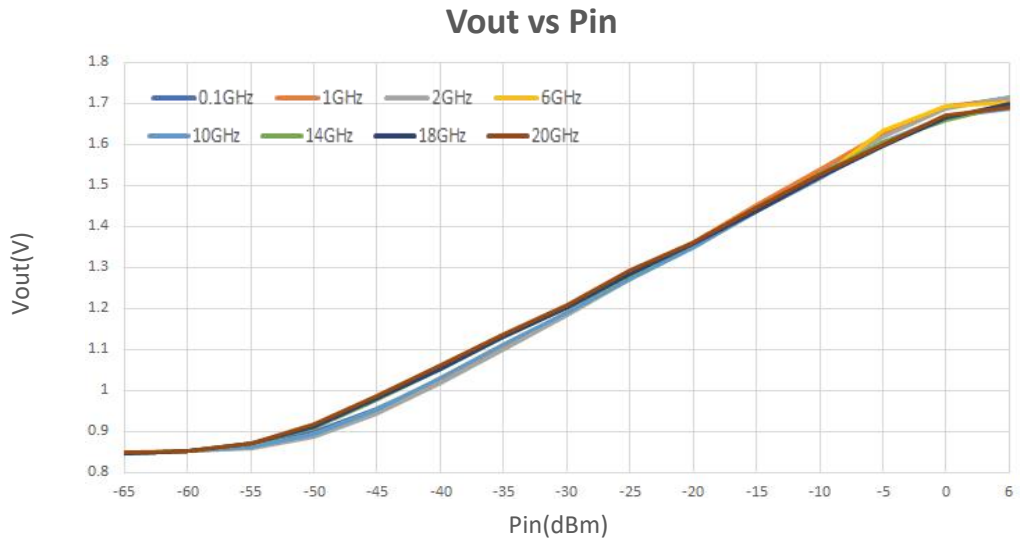
温度环境 Environmental Conditions:

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-40		+85	°C
存储温度 Non-operating Temperature	-55		+125	°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
SDLVA-0.1G20G-59	SDLVA 0.1-20GHz, TSS:-59dBm,2.92mm Female	Rev.1.1

典型曲线 Typical Performance Data:



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.