

Model:TLLF-DC-12G-T2-Cryo

**Cryogenic Low Pass Filters
DC-11.5GHz,SMA Male TO Female**

Feature:

- Low Insertion Loss
- Excellent Return Loss
- High Stop Band Suppression
- 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	DC-11.5			GHz
带内插损 Passband Insertion Loss		0.5		dB
带内回损 Passband Return loss		-20		dB
带外抑制 Stopband Suppression	@14.4GHz		-25	dB
	@19-34GHz	-40	-55	dB
射频功率 RF Power (W)			2	W
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	SMA Male/SMA Female	
外壳材质 Case Material	OFHC Copper	
表面 Finish	Gold Plated	mm
重量 Weight	30	g

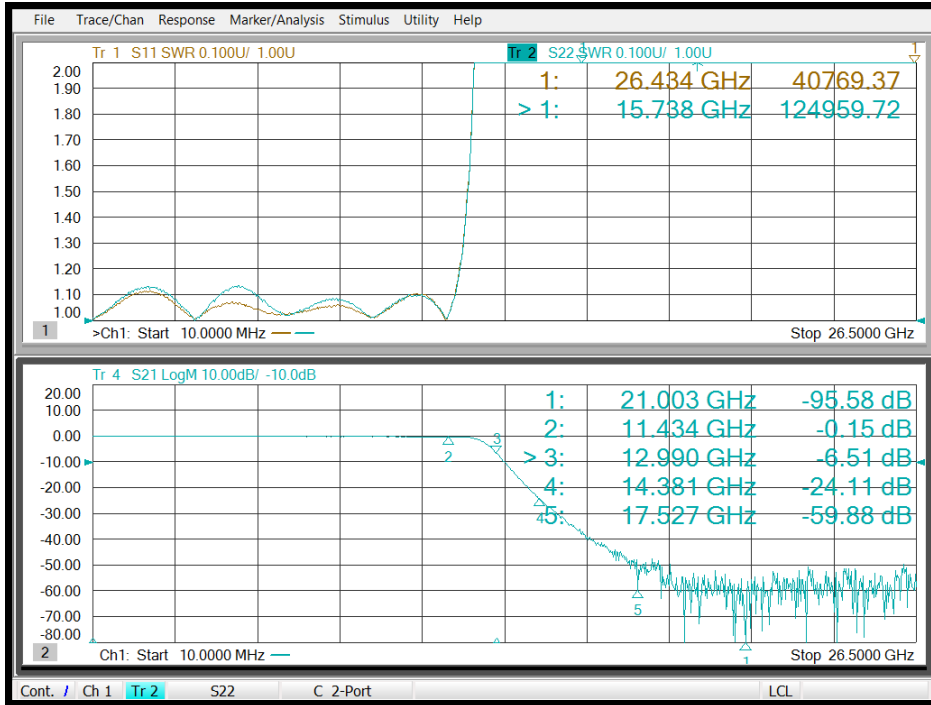
外形尺寸 Outline Drawing:

Unit: mm



典型曲线 Typical Performance Data:

Unit: mm



温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	4K		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity	100% RH at 35c, 95%RH at 40°C			%
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
TLLF-DC-12G-T2-Cryo	Cryogenic Low Pass Filters DC-11.5GHz	Rev.1.1