

**Model:TLLF-DC-1.1G-T2-Cryo**
**Cryogenic Low Pass Filters  
 DC-1.1 GHz,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 Specifications:**

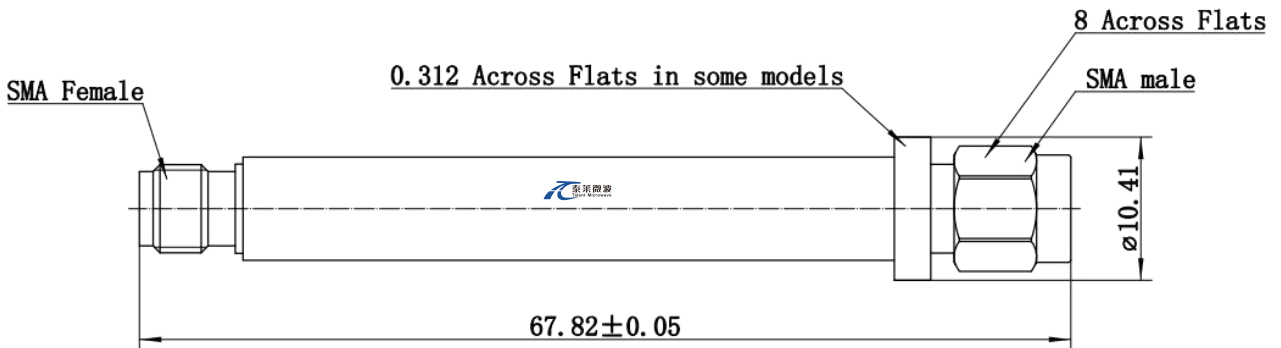
参数Parameter		Min	Typ	Max	单位Units
频率范围 Frequency range		DC-1.1			GHz
带内隔离 Passband Isolation			40		dB
带内插损 Passband Insertion Loss	@DC-1100MHz	1.1	1.6		dB
	@1750MHz		3.0		dB
带外插损 Stopband Insertion Loss	@2070MHz	20	28		dB
	@2300-20000MHz		40		dB
带外驻波 Stopband VSWR @2070-20000MHz			10		:1
带内驻波 Passband VSWR @DC-1100MHz			1.4		:1
射频功率 RF Power (W)				10	W
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	SMA Male/SMA Female	
外壳材质 Case Material	Stainless steel	
表面 Finish	Gold Plated	mm
重量 Weight	30	g

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	-55		+100	°C
存储温度 Non-operating Temperature	-55		+100	°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-1.1G-T2-Cryo	Cryogenic Low Pass Filters DC-1.1 GHz	Rev.1.1