

Cryogenic Low pass Filter

DC-1.1GHz/SMA Male to Female

Model: TLLF-DC-1.1GHz-T2-Cryo

Features:

- Passband Frequency Range DC to 1.1GHz
- Low Insertion Loss
- Excellent Return Loss
- High Stop Band Suppression

Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

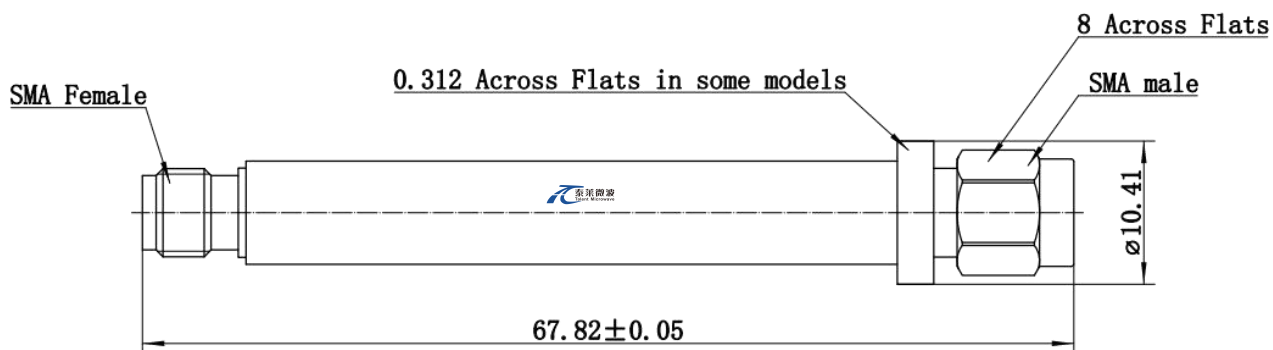
电气特性 Electrical Characteristics:

参数 Parameter		Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range		DC		1.1	GHz
带内隔离 Passband Isolation			40		dB
带内插损 Passband Insertion Loss	@DC-1.1GHz	1.1	1.6		dB
	@1750MHz		3.0		dB
带外插损 Stopband Insertion Loss	@2070MHz	20	28		dB
	@2.3-20GHz		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

环境和机械特性 Envirionmental And Physical Characteristics:

类型 Description	参数 Parameter	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

外形图 Outline Drawing: Unit:mm



温度环境 Environmental Conditions:

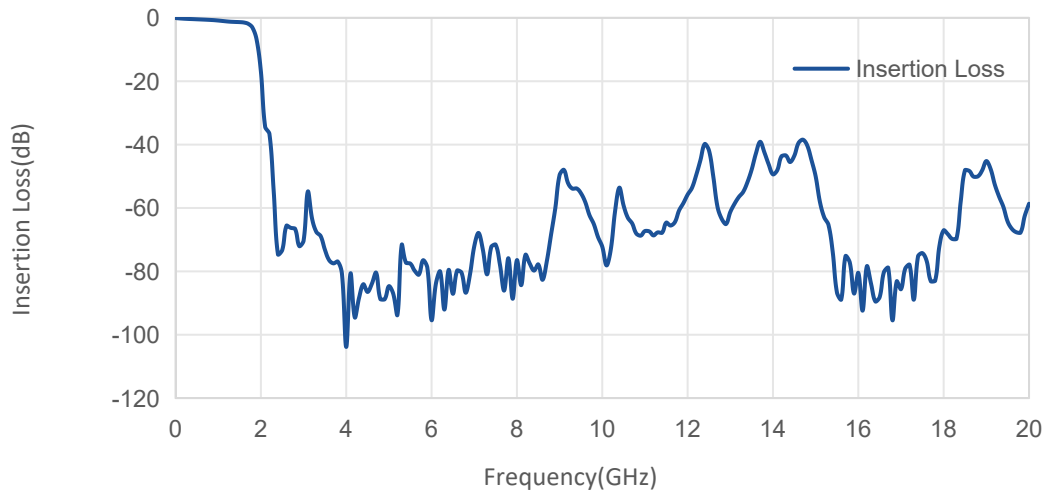
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	mK		+100	°C
存储温度 Non-operating Temperature	-55		+85	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	10,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

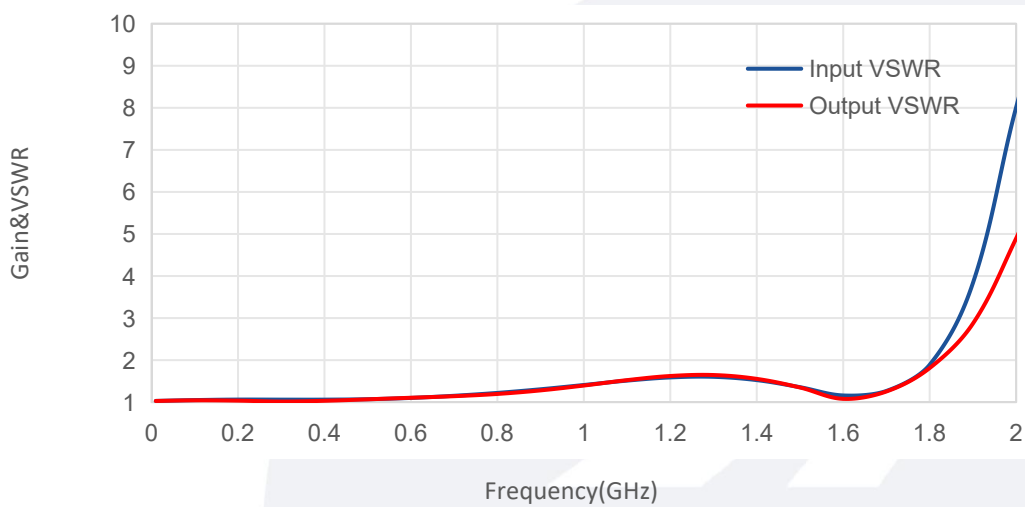
标准型号 Base Number	描述 Description	版本号 Revision
TLLF-DC-1.1G-T2-Cryo	Coaxial Low pass Filter, Passband frequency range: DC-1.1GHz, Passband Insertion Loss: 1.6dB, SMA Male to Female	Rev.1.1

典型曲线 Typical Performance Data:

Insertion Loss vs Frequency



Gain&VSWR vs Frequency



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.