

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

Electrical Characteristics:

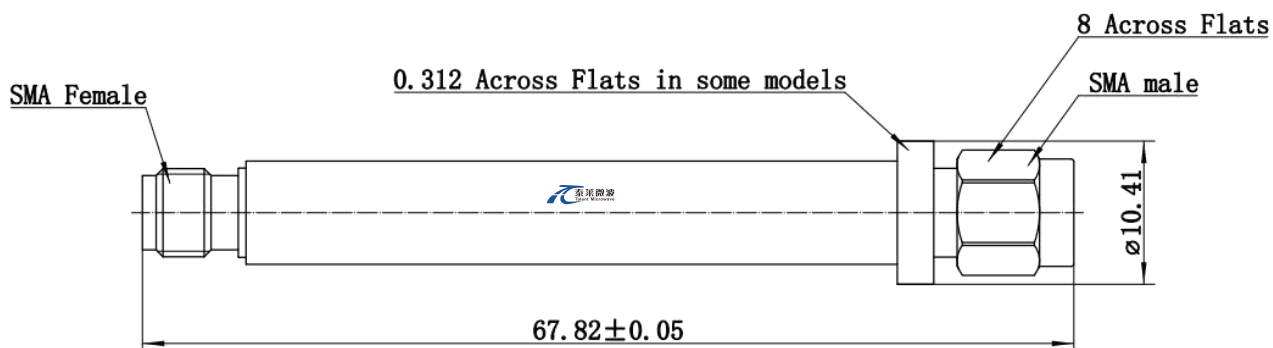
Parameter		Min	Typ	Max	Units
Passband Frequency range		DC		1.1	GHz
Passband Isolation			40		dB
Passband Insertion Loss	@DC-1.1GHz	1.1	1.6		dB
	@1750MHz		3.0		dB
Stopband Insertion Loss	@2070MHz	20	28		dB
	@2.3-20GHz		40		dB
Stopband VSWR @2070-20000MHz			10		:1
Passband VSWR @DC-1100MHz			1.4		:1
RF Power (W)				10	W
Impedance		50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Input /Output Connector	SMA Male/SMA Female	
Case Material	Stainless steel	
Finish	Gold Plated	mm
Weight	30	g

Outline Drawing:

Unit:mm



Environmental Conditions:

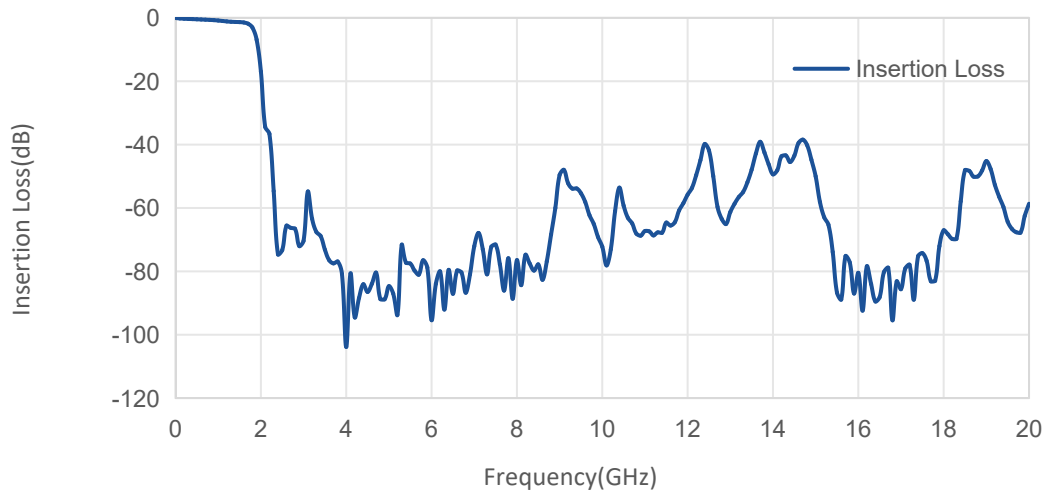
Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

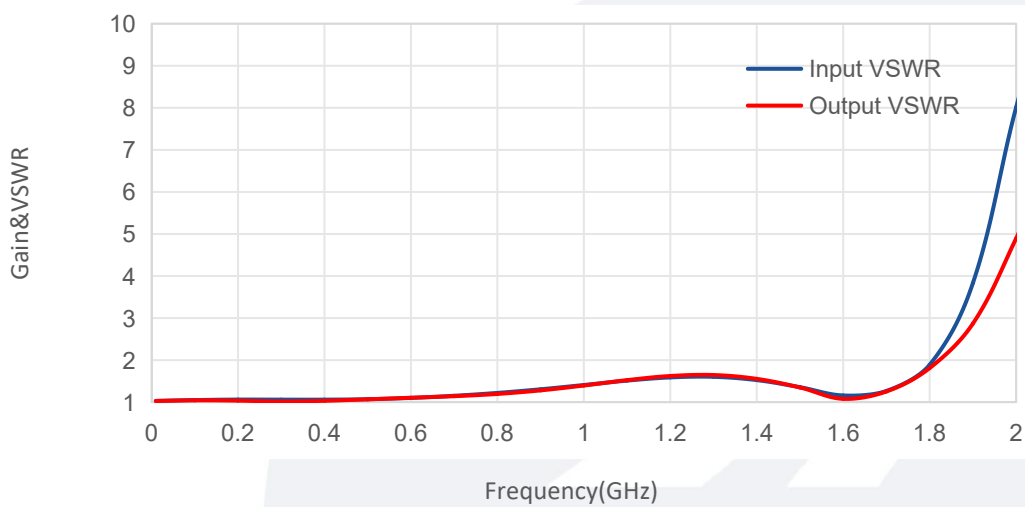
Base Number	Description	Revision
TLLF-DC-1.1G-T2-Cryo	Coaxial Low pass Filter,Passband frequency range:DC-1.1GHz,Passband Insertion Loss:1.6dB, SMA Male to Female	Rev.1.1

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.