

Cryogenic Low pass Filter

DC-12GHz/SMA Male to Female

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

Features:

- Passband Frequency Range DC to 12GHz
- 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		12	GHz
Passband Return Loss			-20		dB
Passband Insertion Loss			0.5		dB
Stopband Suppression	@11GHz		-25		dB
	@15-32GHz	-40	-55		dB
RF Power (W)				2	W
Impedance		50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Input /Output Connector	SMA Male/SMA Female	
Case Material	OFHC Copper	
Finish	Gold Plated	
Weight	30	g

Outline Drawing:

Unit:mm



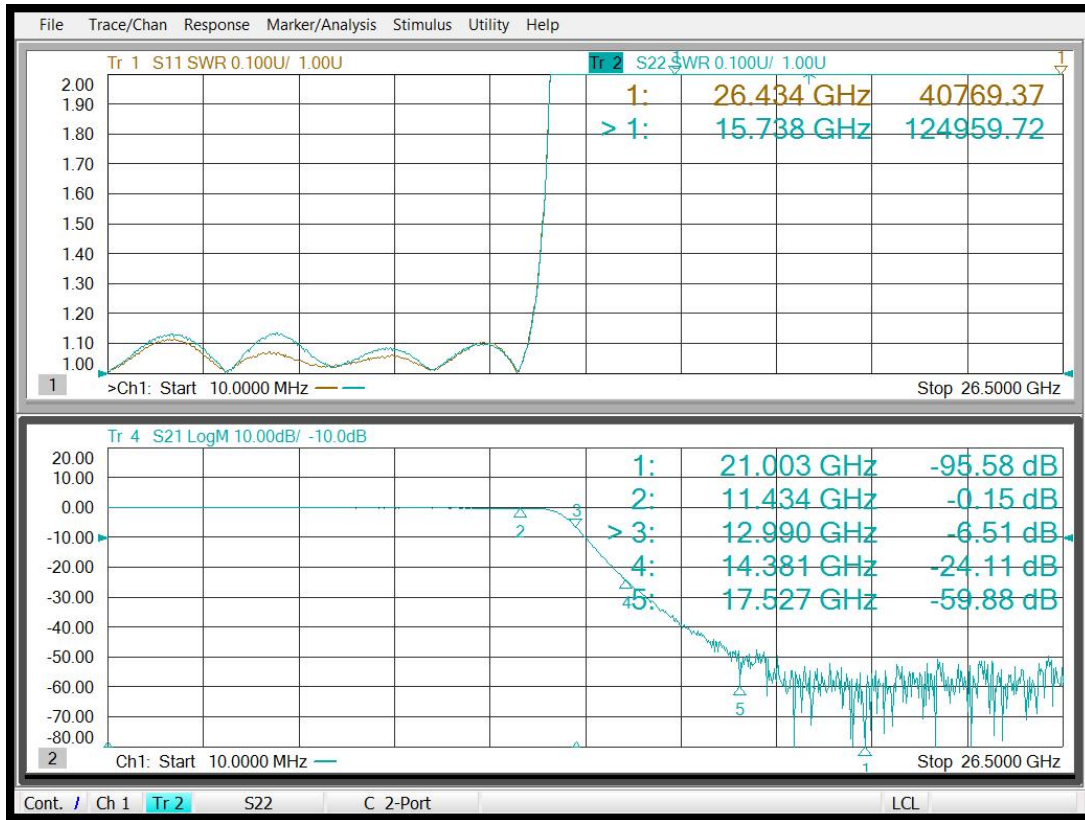
Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	mK		+100	°C
Non-operating Temperature	-55		+85	°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-12G-T2-Cryo	Coaxial Low pass Filter,Passband frequency range:DC-12GHz,Passband Insertion Loss:0.5dB, SMA Male to Female	Rev.1.1

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.