

Cryogenic Low pass Filter

DC-0.5GHz/SMA Male to Female

Model: TLLF-DC-0.5G-T2-Cryo

Features:

- Passband Frequency Range DC to 0.5GHz
- Low Insertion Loss
- Excellent Return Loss
- High Stop Band Suppression

Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

Electrical Characteristics:

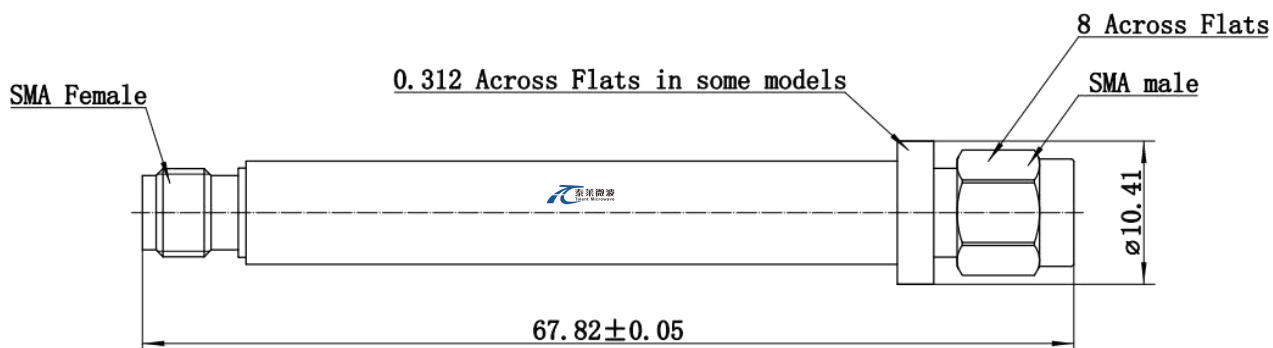
Parameter		Min	Typ	Max	Units
Passband Frequency range		DC		0.5	GHz
Stopband Insertion Loss	@900MHz	20			dB
	@1.1-2GHz		40		
Passband Insertion Loss				1.2	dB
Stopband VSWR			10		:1
Passband VSWR			1.15		:1
RF Power (W)				10	W
Impedance		50			Ohms

Environmental 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	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-0.5G-T2-Cryo	Coaxial Low pass Filter, Passband frequency range:DC-0.5GHz, Passband Insertion Loss:1.2dB, SMA Male to Female	Rev.1.1