

**Model:TLLF-DC-0.08G-T2-Cryo**
**Cryogenic Low Pass Filters  
 DC-0.08 GHz,SMA Male TO Female**
**Feature:**

- Low Insertion Loss
- Excellent Return Loss
- High Stop Band Suppression
- 50 Ohm Matched Input / Output

**Electrical Specifications:**

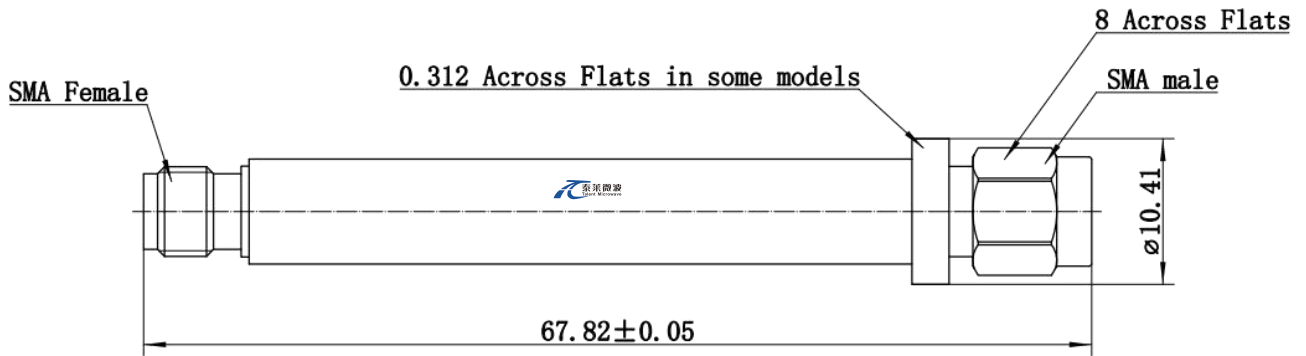
Parameter		Min	Typ	Max	Units
Frequency range		DC-0.08			GHz
Passband Isolation@20GHz			40		dB
Passband Insertion Loss	@DC-80MHz		1.0	1.6	dB
	@145MHz		3.0		dB
Stopband Insertion Loss	@200MHz	20	27		dB
	@220-20000MHz		40		dB
Stopband VSWR @220-2000MHz			10		:1
Passband VSWR@DC-80MHz			1.2		:1
RF Power (W)				10	W
Impedance		50			Ohms

**Mechanical Specifications:**

Parameter	Value	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	-55		+100	°C
Non-operating Temperature	-55		+100	°C
Relative humidity	100% RH at 35c, 95%RH at 40°C			%
Altitude	50,000			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:**

Part Number	Description	Revision
TLLF-DC-0.08G-T2-Cryo	Cryogenic Low Pass Filters DC-0.08 GHz	Rev.1.1