

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

Cryogenic Low Pass Filters DC-0.5 GHz,SMA Male TO Female

Feature:

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

Electrical Specifications:

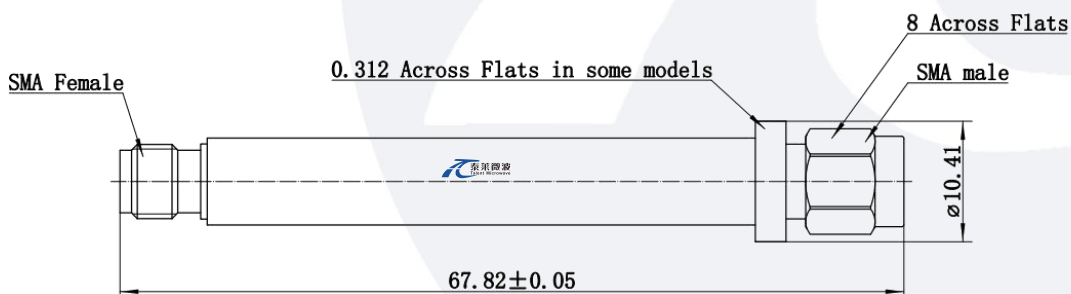
Parameter	Min	Typ	Max	Units
Frequency range	DC-0.5			GHz
Passband Isolation@20GHz		40		dB
Stopband Insertion Loss	@0.02 GHz	900		dB
	@0.04GHz	1100	20000	dB
Stopband VSWR		10		:1
Passband VSWR		1.15		:1
RF Power (W)			10	W
Impedance	50			Ohms

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-0.5G-T2-Cryo	Cryogenic Low Pass Filters DC-0.5 GHz	Rev.1.1