

High-density Cryogenic Low Pass Filter

12 channel /SSMP Female/ SSMP Male/

Model: TLLF-DC-XG-12SSMP-Cryo

Our low-pass filters have a customizable cut-off frequency with flat roll-off in the pass band and 40 to 80 dB suppression in the stop band. By integrating these filters, noise and undesired frequencies can be suppressed at the quantum device.

Features:

- Temperature stable
- Rugged unibody construction
- Good rejection, 60 dB typical

Applications:

- Dilution refrigerators/Cryogenic devices
- Quantum Computing

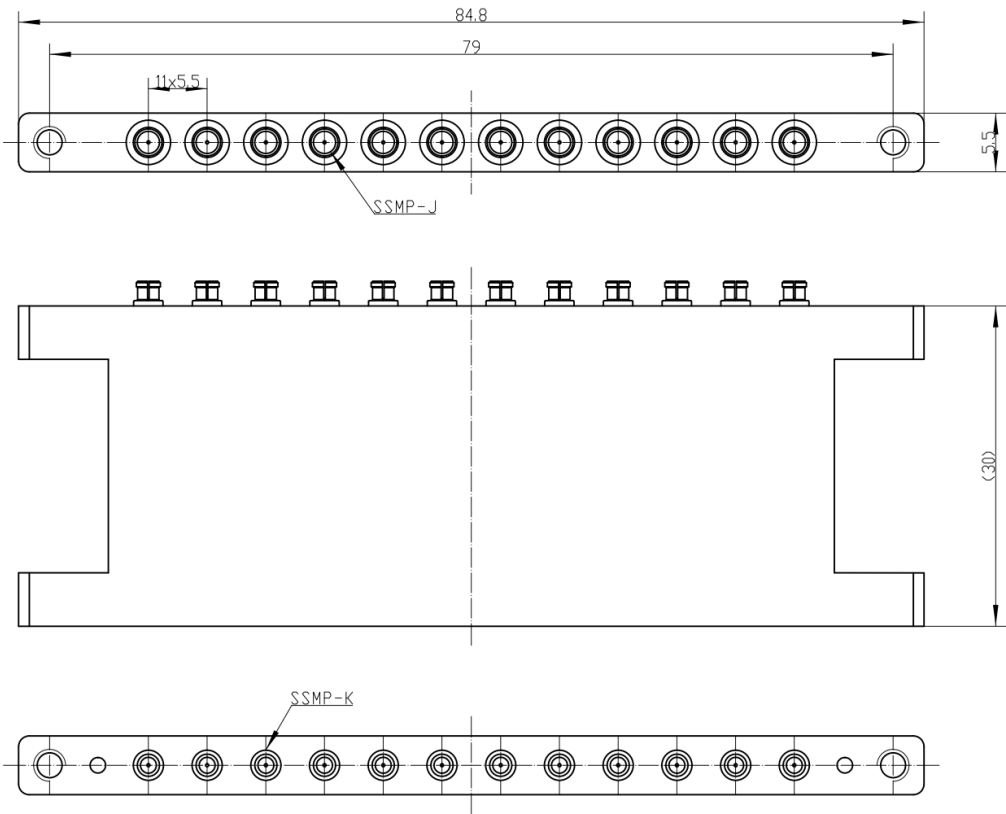
Electrical Characteristics:

Model	Parameter				
	Pass Band Frequency	Pass Band Insertion Loss	Pass Band Return Loss	Rejection	Impedance
TLLF-DC-1G-12SSMP-Cryo	DC-1GHz	2 dB	-13dB	40dB@2-40GHz	50Ω
TLLF-DC-8G-12SSMP-Cryo	DC-8GHz	1.6dB	-13dB	40dB@11.5-40GHz	50Ω
TLLF-DC-12G-12SSMP-Cryo	DC-12GHz	1.6dB	-13dB	40dB@14.5-40GHz	50Ω

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temperature	10mK To +200	°C
Storage Temperature	-55 to +200	°C
Of Channels	24	
Packaging case	Gold Plated OFHC Copper	

Outline Drawing: Unit:mm



Ordering Information:

Base Number	Desciption	Revision
TLLF-DC-1G-12SSMP-Cryo	12 channel SSMP High-density Cryogenic DC-1GHz Low Pass Filter	Rev.1.1
TURLF-DC8G12SSMPCryo	12 channel SSMP High-density Cryogenic DC-8GHz Low Pass Filter	Rev.1.1
TLLF-DC-12G-12SSMP-Cryo	12 channel SSMP High-density Cryogenic DC-12GHz Low Pass Filter	Rev.1.1