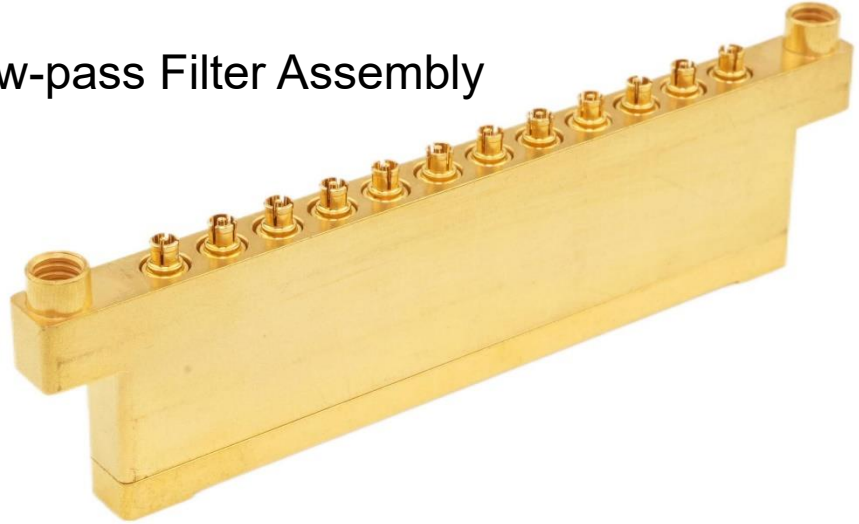


Rev:A00

SSMP XHz Low-pass Filter Assembly



The low-pass filter allows low-frequency signals to pass through normally, while high-frequency signals exceeding a certain threshold are blocked or attenuated. However, the degree of blocking or attenuation may vary depending on the frequency and the specific filtering program (objective). For different filters, the attenuation level of each frequency signal varies. By reducing the size of the filter and encapsulating it together, we can greatly improve the space utilization of the refrigeration unit.

Technical requirements

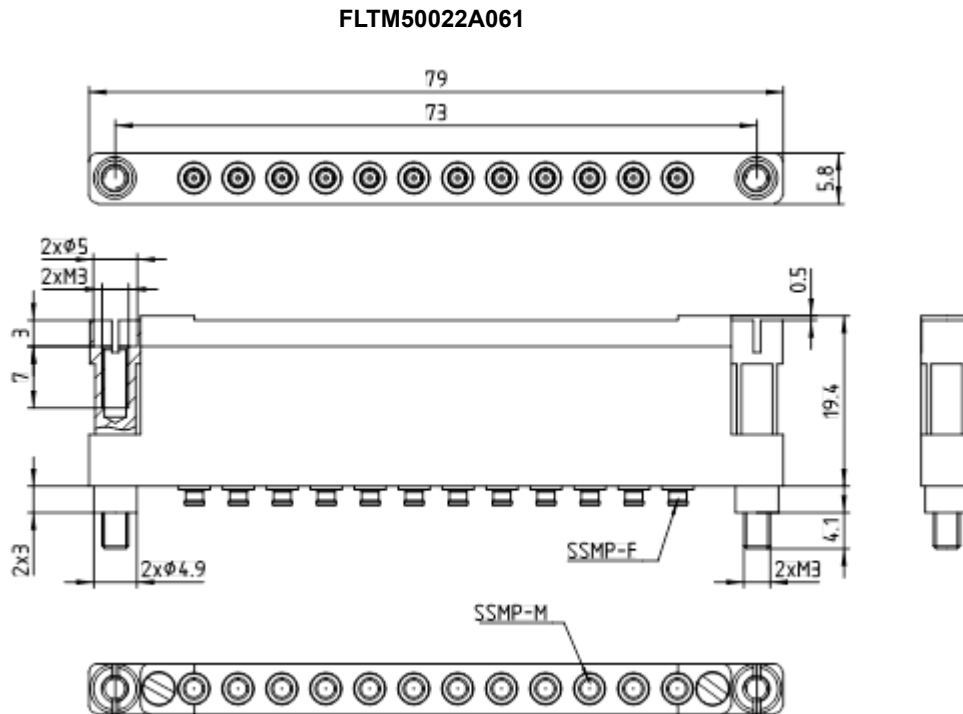
Item	Specifications
Model	See datasheet
Temperature	10mK-300K
Connector	SSMP-M & SSMP-F

Material and surface

Item	Material	Surface
Packaging case	Oxygen-free copper	Non-magnetic gold plated
SSMP Connector	Outer conductor	Beryllium bronze
	Center conductor	Beryllium bronze
	Connector-dielectric	PTFE
Single channel-cavity	Beryllium bronze	Non-magnetic gold plated
Single channel-center conductor	Beryllium bronze	Non-magnetic gold plated

SSMP XHz Low-pass Filter Assembly

Outline drawing (Unmarked tolerance: $\pm 0.1\text{mm}$)



Datasheet

Model	Description	Frequency range
FLTM50022A061	SSMP-MF 500MHz Low-pass Filter Assembly	DC-500MHz
FLTM63022A082	SSMP-MF 630MHz Low-pass Filter Assembly	DC-630MHz
FLTG00122A044	SSMP-MF 1GHz Low-pass Filter Assembly	DC-1GHz
FLTG00622A079	SSMP-MF 6GHz Low-pass Filter Assembly	DC-6GHz
FLTG00822A010	SSMP-MF 8GHz Low-pass Filter Assembly	DC-8GHz
FLTG00622A109	SSMP-MF 6GHz Low-pass Filter Assembly	DC-6GHz
FLTG00822A108	SSMP-MF 8GHz Low-pass Filter Assembly	DC-8GHz
FLTG00122A072	SSMP-MF 1GHz Low-pass Filter Assembly	DC-1GHz

SSMP XHz low-pass filter assembly performance refer to single filter performance.