

Rev:A00





The CR110 infrared filter has a very low attenuation value, which helps protect sensitive quantum devices from the potential impact of high-energy photons that may cause unnecessary heating or decoherence.

Technical requirements

Item	Specification		
Model	FLTG00833A134		
Frequency range	DC-8GHz		
Attenuation value	≤4.5dB@6GHz(300K)		
	≤3.5dB@6GHz (77K)		
Return loss	≥14dB@300K		
	≥17dB@77K		
Temperature 10mK-300K			
Connector SMP-M & SMP-F			

Material and surface

	ltem	Material	Surface
SMP Connector	Outer connector	Beryllium bronze	Non-magnetic gold plated
	Center conductor	Beryllium bronze	Non-magnetic gold plated
	Connector-dielectric	PTFE	1
	Cavity	Beryllium bronze	Non-magnetic gold plated
	Center conductor	Beryllium bronze	Non-magnetic gold plated
	Dielectric	PTFE	1

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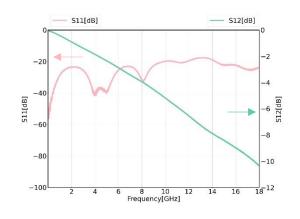


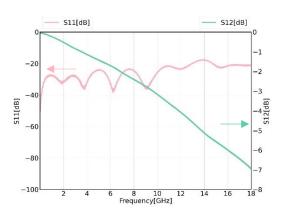


Test Results

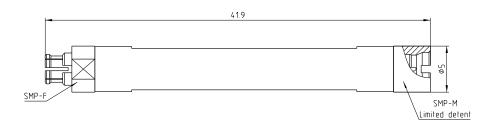
Measure data, Tamb=300K

Measure data, Tamb=77K





Outline drawing (Unmarked tolerance: ±0.1mm)



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