Filter ZHPF5-L0.9-6G-3107

COM-MW TECHNOLOGY

Passband0.9~6GHz, RejectionDC-650MHz≥40dB, SMD

Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband	/	/	0.9	~	6	GHz
Passband IL	/	/			2	dB
Rejection	DC-650	MHz ≥	40			dB
Passband VSWR	/	/			1.8	

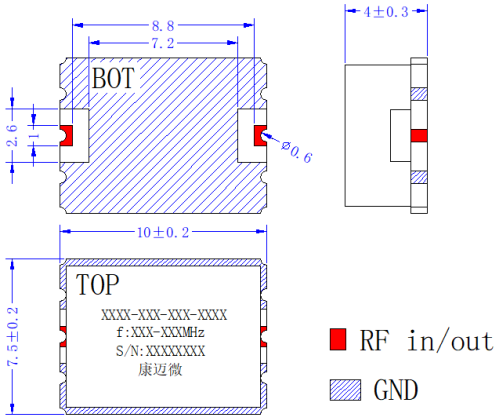
Other parameters

Connector	SMD
Power Capacity	1W Design assurance
Operation Temp.	-40~+70°C Design assurance
Storage Temp.	-55~+85°C Design assurance
Quality Grade	Industrial grade

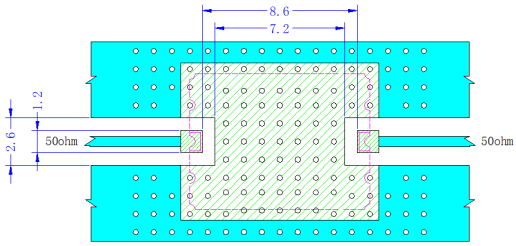
Functional diagram

Reference picture

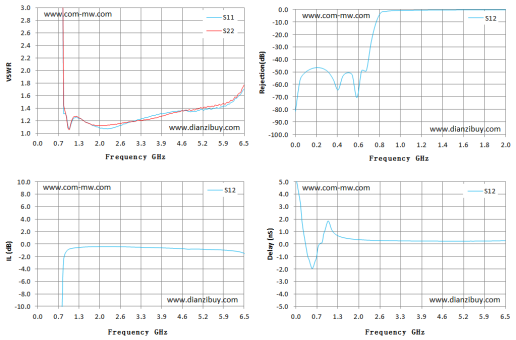
Configuration(mm)



建议PCB布局图:er:3.48，H:0.254mm



Typical test curve



Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test data

Frequency GHz	S11 VSWR	S22 VSWR	S12 IL (dB)	S12 Rejection	S12 Delay (ns)
0.01	92692.81	1760.72	-81.55	-81.55	5.29
0.14	2756.14	4876.68	-48.09	-48.09	3.21
0.29	362.47	581.95	-47.62	-47.62	0.33
0.43	116.94	157.04	-64.44	-64.44	-1.28
0.57	48.47	63.92	-52.41	-52.41	-1.78
0.71	20.76	25	-48.87	-48.87	-0.29
0.86	1.32	1.36	-1.64	-1.64	0.8
1	1.07	1.06	-0.82	-0.82	1.85
1.14	1.24	1.26	-0.65	-0.65	1.05
1.29	1.25	1.26	-0.57	-0.57	0.71
1.43	1.22	1.22	-0.51	-0.51	0.56
1.57	1.18	1.17	-0.47	-0.47	0.48
1.71	1.15	1.15	-0.45	-0.45	0.42
1.86	1.11	1.13	-0.43	-0.43	0.37
2	1.08	1.13	-0.41	-0.41	0.35

Note

1	Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
2	The product supports 220 °C reflow soldering.
3	/
4	表贴式滤波器的接地很重要，如果接地效果不理想，会对 滤波器的电特性造成影响，尤其是带外抑制指标会明显变差， 在使用中尽量使产品的各个侧面及上、下面与组件的金属壳 体贴合接触，只有良好的接地，正确的安装，才能发挥滤波 器最佳性能，获得最佳效果:

Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.