

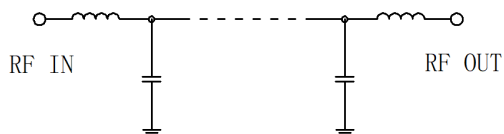
Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband	/	/	DC	~	47	MHz
Passband IL	/	/			3	dB
Rejection	70-750	MHz $\geq$	30			dB
Passband VSWR	/	/			1.6	

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

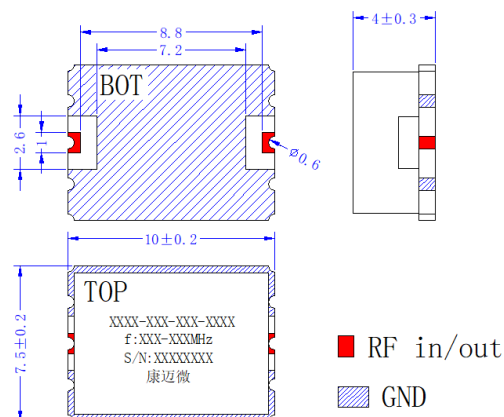
Functional diagram



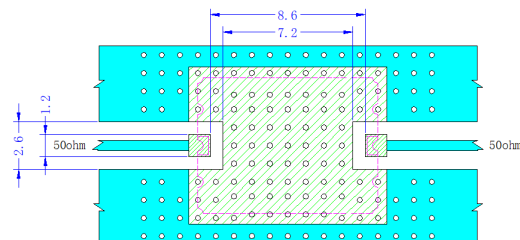
Reference picture



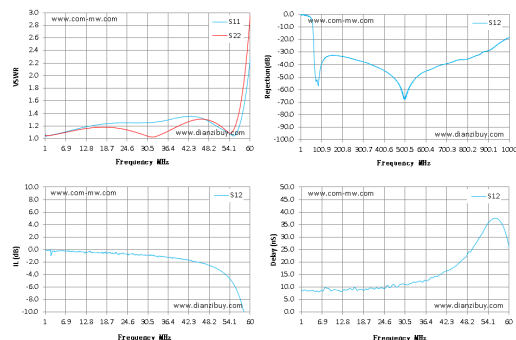
Configuration(mm)



Suggested PCB layout diagram: RO4350B, 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 MHz	S11 VSW R	S22 VSW R	S12 IL (dB)	S12 Reject ion	S12 Delay (ns)
1	1.08	1.04	-0.29	-0.29	8.3
10	1.15	1.13	-0.39	-0.39	8.83
18	1.23	1.18	-0.54	-0.54	9.23
27	1.25	1.1	-0.88	-0.88	11.01
35	1.28	1.08	-1.15	-1.15	12.36
44	1.35	1.29	-1.97	-1.97	17.63
52	1.15	1.18	-3.56	-3.56	30.5
61	2.74	3.59	-18.1 9	-18.19	18.62
69	9.75	12.18	-46.6 8	-46.68	-42.82
78	22.88	26.38	-52.0 9	-52.09	-28.65
86	40.75	44.77	-55.2 8	-55.28	-32.08
95	68.14	75.03	-42.9 6	-42.96	-2.08
103	94.8	111.8	-38.3 4	-38.34	0.97
112	122.6 7	166.2 9	-35.6 7	-35.67	1.36
120	144.3 5	240	-34.3 2	-34.32	1.35

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: