

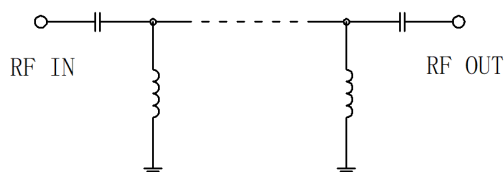
Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband	/	/	120	~	1800	MHz
Passband IL	/	/			2	dB
Rejection	DC-80	MHz $\geq$	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

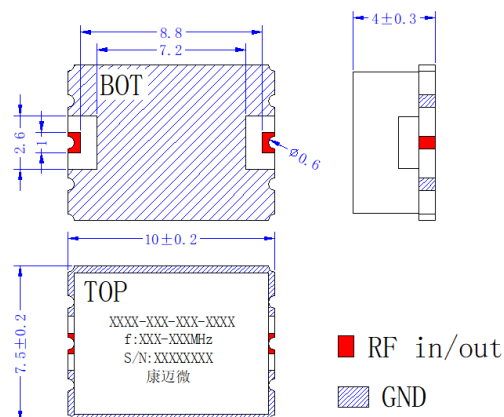
Functional diagram



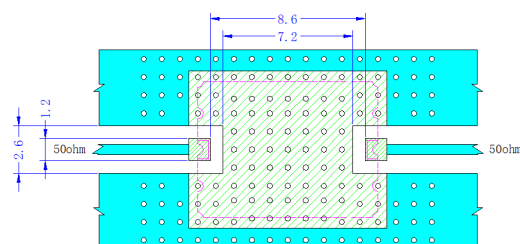
Reference picture



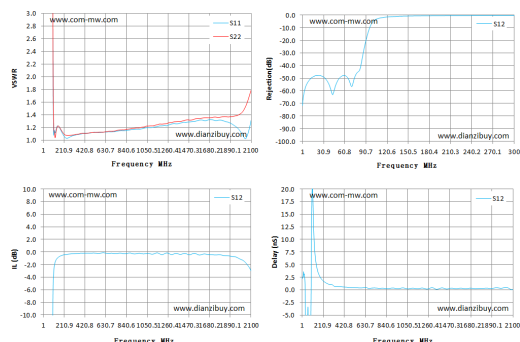
Configuration(mm)



Suggested PCB layout diagram: RO4350B, H: 0.254mm



Typical test curve



Typical test data

Frequency MHz	S11 VSW R	S22 VSW R	S12 IL (dB)	S12 Reject ion	S12 Delay (ns)
1	215.8 5	99.24	-71.6 8	-71.68	2.2
19	436.3 6	559.4 9	-48.0 6	-48.06	3.02
37	213.9 1	244.5 1	-53.2 6	-53.26	-15.16
54	76.01	79.44	-49.5 3	-49.53	-8.9
72	26.95	27.61	-54.7 9	-54.79	-24.42
90	6.22	6.69	-21.6 7	-21.67	2.27
108	1.15	1.15	-2.78	-2.78	16.96
126	1.16	1.13	-1.38	-1.38	7.5
143	1.24	1.24	-0.97	-0.97	4.74
161	1.21	1.22	-0.74	-0.74	3.31
179	1.15	1.17	-0.6	-0.6	2.54
197	1.1	1.13	-0.5	-0.5	2.03
214	1.06	1.1	-0.43	-0.43	1.7
232	1.03	1.08	-0.39	-0.39	1.44
250	1.04	1.08	-0.35	-0.35	1.24

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: