

Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband	/	/	120	~	160	MHz
Passband IL	/	/			3	dB
Ripple	/	/			0.8	dB
Rejection	$f_o \pm 50$	MHz $\geq$	45			dBc
Passband VSWR	/	/			1.5	

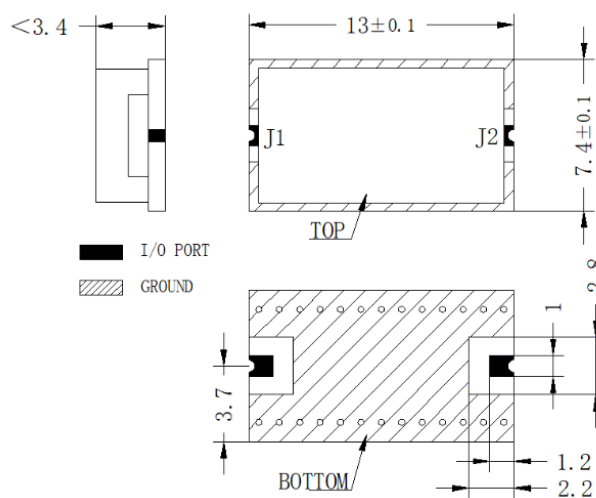
Other parameters

Connector	SMD
Impedance	50 Ω
Power Capacity	1W Design assurance
Operation Temp.	-55~+85°C Design assurance
Storage Temp.	-55~+85°C Design assurance
注意事项1	滤波器内部使用的焊锡熔点为 217°C无铅焊料;
注意事项2	焊接最高温度避免超过 225°C, 焊接控制在时间 6s 内;
注意事项3	清洗时避免有机溶剂进入滤波器内部;

Reference picture

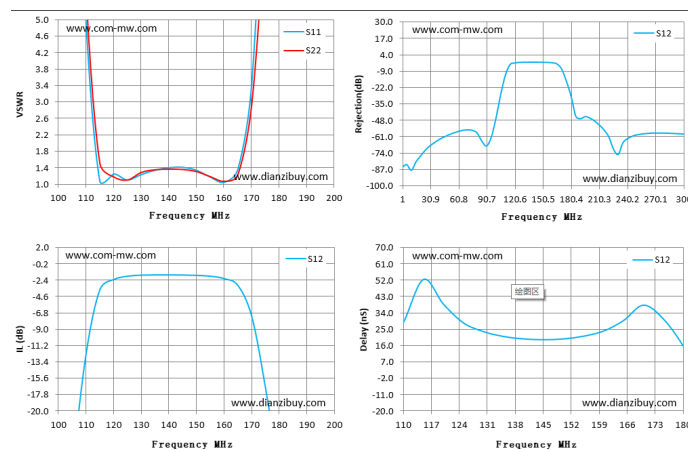


Configuration(mm)



Typical test data

Frequency MHz	S11 VSWR	S22 VSWR	S12 IL (dB)	S12 Rejection	S12 Delay (ns)
100.00	26.40	31.50	-61.51	-61.51	-10.70
107.00	12.99	13.89	-27.68	-27.68	9.12
114.00	4.94	5.65	-12.15	-12.15	28.65
121.00	1.24	1.18	-2.33	-2.33	38.69
129.00	1.10	1.10	-1.89	-1.89	28.38
136.00	1.33	1.35	-1.71	-1.71	20.90
143.00	1.39	1.36	-1.71	-1.71	19.58
150.00	1.41	1.36	-1.73	-1.73	19.13
157.00	1.17	1.18	-1.90	-1.90	21.06
164.00	1.04	1.07	-2.22	-2.22	23.88
171.00	3.40	2.90	-7.38	-7.38	38.17
179.00	9.72	7.17	-17.10	-17.10	30.49
186.00	26.51	15.55	-44.88	-44.88	-5.33
193.00	35.18	19.43	-46.67	-46.67	-51.07
200.00	43.42	23.40	-44.99	-44.99	-1.81

Typical test curve**Note**

- Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
- The product supports 220 °C reflow soldering.