

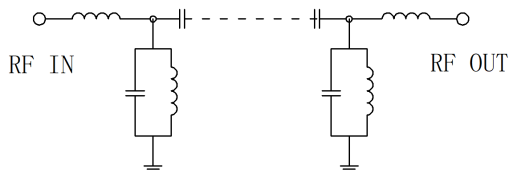
Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband	/	/	500	~	700	MHz
Passband IL	/	/			2.5	dB
Ripple	/	/			1.0	dB
Rejection	DC-400	MHz $\geq$	40			dB
Rejection	0.8-3	GHz $\geq$	40			dB
Passband VSWR	/	/			1.6	

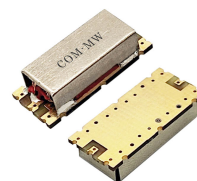
Other parameters

Connector	SMD
Impedance	50 Ω
Power Capacity	2W Design assurance
Phase balance	$\pm^\circ$
Operation Temp.	-40~+70°C Design assurance
Storage Temp.	-55~+85°C Design assurance

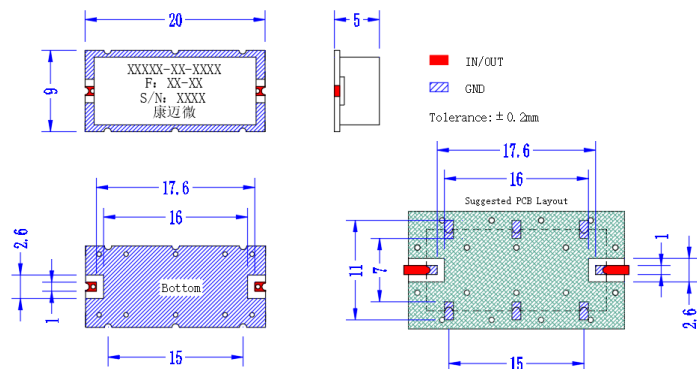
Functional diagram



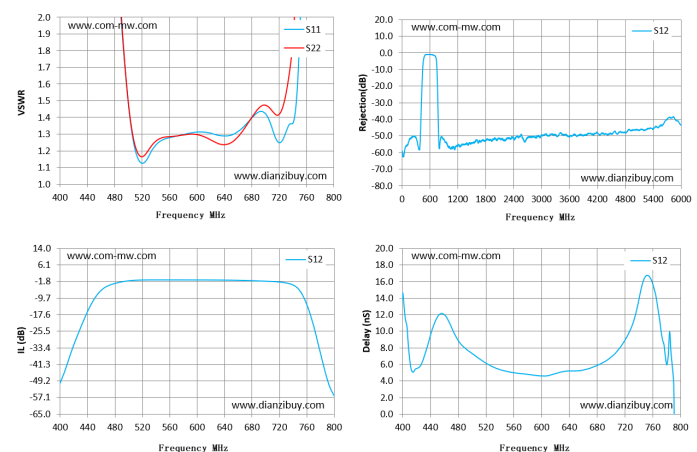
Reference picture



Configuration(mm)



Typical test curve



Note

- Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
- The product supports 190 °C reflow soldering

Typical test data

Frequency MHz	S11 VSWR	S22 VSWR	S12 IL (dB)	S12 Delay (ns)
400	44.84	62.12	-51.74	13.02
429	18.23	32.24	-25.28	6.28
457	4.12	8.25	-7.25	12.16
486	2.27	2.41	-2.28	8.43
514	1.17	1.2	-1.06	6.6
543	1.24	1.26	-0.93	5.33
571	1.29	1.29	-0.94	4.9
600	1.31	1.3	-0.96	4.63
629	1.3	1.25	-0.99	5.11
657	1.31	1.27	-1.1	5.27
686	1.41	1.42	-1.36	6.06
714	1.31	1.43	-1.73	7.97
743	1.39	1.97	-3.7	14.75
771	7.63	12.04	-23.04	11.19
800	21.86	30.39	-55.24	-23.93

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