

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	100	~	520	MHz
IL		0.1	0.25	dB
Coupling	34.5	36	37.5	dB
Directivity	20	23		dB
Main line VSWR		1.1	1.2	
Coupled line VSWR		1.2	1.4	

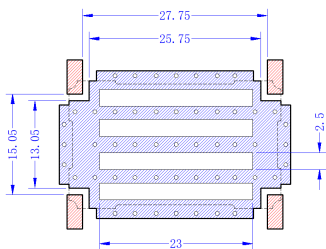
Other parameters

Connector	SMD
Power Capacity	200W
Operation Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade

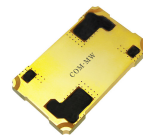
Port Definition

Input port	1	2
Output port	2	1
Coupling port	3	4
Isolated Port	4	3

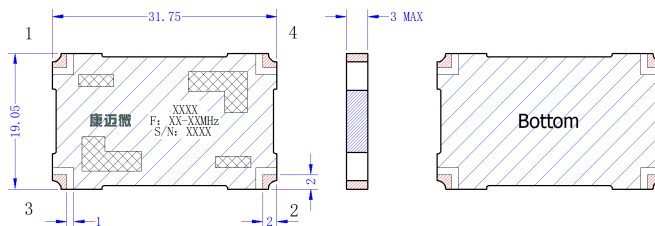
Suggested PCB Layout



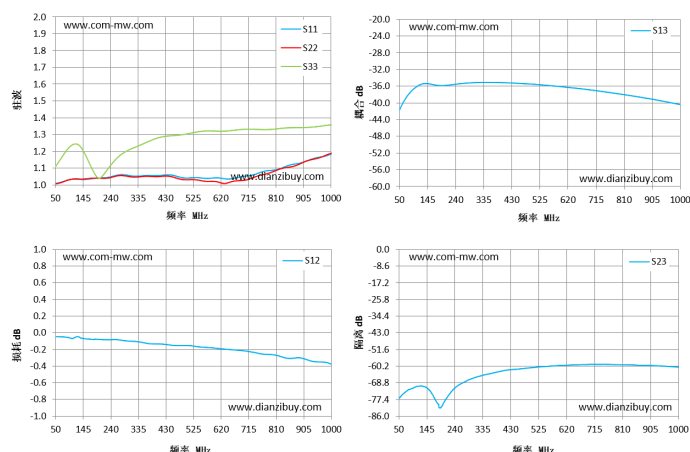
Reference picture



Configuration(mm)



Typical test curve



Typical test data

Frequency(MHz)	S11 VSW R	S33 VSW R	S12 IL dB	S13 coupl ing	S23 ISO dB
50	1.01	1.11	-0.0 5	-41.58	-76.8 5
118	1.03	1.24	-0.0 5	-35.67	-70.5 7
186	1.04	1.06	-0.0 8	-35.83	-81.5 9
254	1.05	1.14	-0.0 8	-35.39	-69.8 4
321	1.05	1.22	-0.1	-35.09	-65.5
389	1.06	1.27	-0.1 3	-35.12	-63.0 9
457	1.06	1.29	-0.1 5	-35.32	-61.7 1
525	1.04	1.31	-0.1 6	-35.64	-60.6 3
593	1.04	1.32	-0.1 8	-36.07	-59.9
661	1.04	1.32	-0.2	-36.57	-59.5 1
729	1.06	1.33	-0.2 3	-37.18	-59.3 3
796	1.09	1.33	-0.2 6	-37.86	-59.4 6
864	1.12	1.34	-0.3 1	-38.6	-59.7 6
932	1.15	1.34	-0.3 4	-39.45	-60.0 6
1000	1.18	1.36	-0.3 8	-40.37	-60.7 3

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.