

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	4000	~	8000	MHz
IL			0.4	dB
Coupling	19	20	21.5	dB
Directivity	16	18		dB
Main line VSWR			1.3	
Coupled line VSWR			1.3	

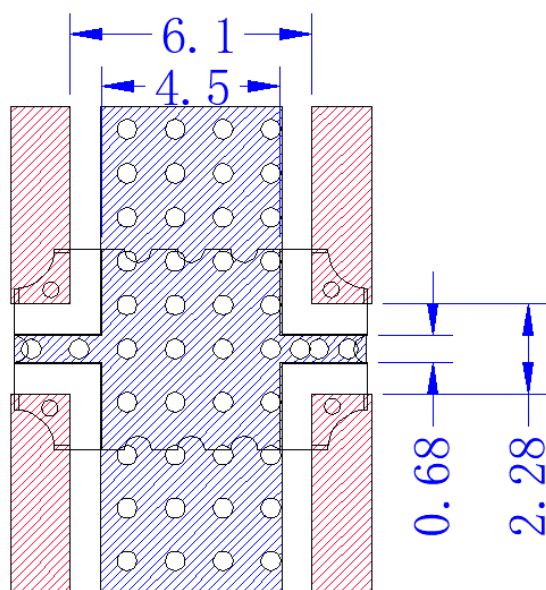
Other parameters

Connector	SMD
Impedance	50Ω
Power Capacity	100W Design assurance
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

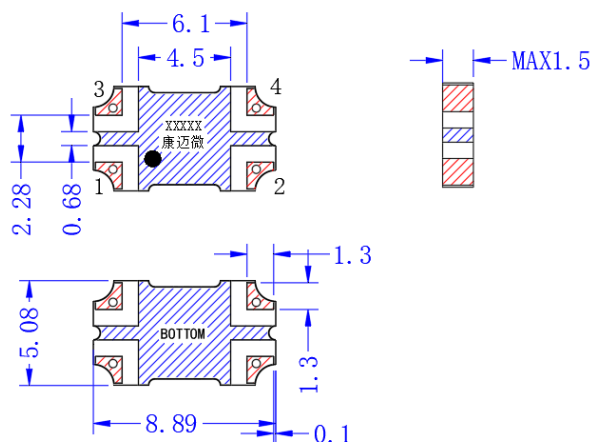
Suggested PCB Layout



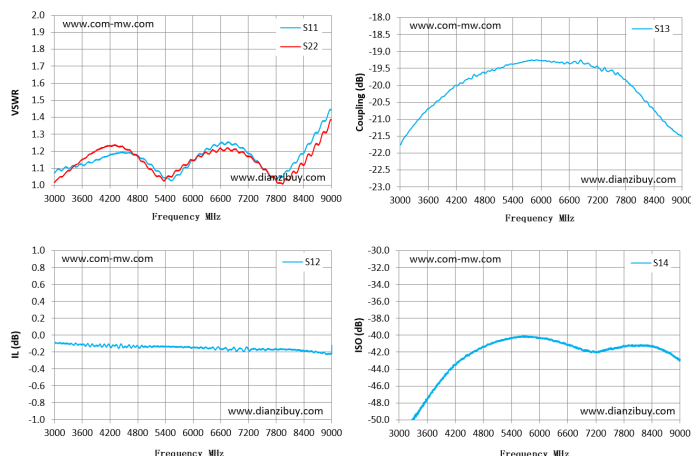
Reference picture



Configuration(mm)



Typical test curve



Typical test data

Frequency MHz	S11 VSWR	S22 VSWR	S12 IL (dB)	S13 Coupling	S14 ISO dB
3000	1.07	1.02	-0.09	-21.78	-52.1
3429	1.11	1.11	-0.11	-20.95	-49.08
3857	1.14	1.19	-0.13	-20.39	-45.58
4286	1.18	1.24	-0.12	-19.93	-43.08
4714	1.18	1.18	-0.12	-19.67	-41.64
5143	1.11	1.08	-0.13	-19.48	-40.74
5571	1.03	1.06	-0.13	-19.32	-40.27
6000	1.15	1.15	-0.14	-19.26	-40.37
6429	1.23	1.21	-0.14	-19.31	-40.81
6857	1.24	1.2	-0.16	-19.27	-41.54
7286	1.17	1.16	-0.17	-19.57	-41.87
7714	1.06	1.05	-0.17	-19.75	-41.47
8143	1.11	1.06	-0.17	-20.34	-41.18
8571	1.25	1.17	-0.19	-21.02	-41.67
9000	1.44	1.38	-0.12	-21.53	-43.01

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.