

Product features

Broadband, high-power.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	20	~	678	MHz
IL		0.15	0.3	dB
Coupling	49	50	51	dB
Directivity		20		dB
Main line VSWR		1.2		
Coupled line VSWR		1.1		

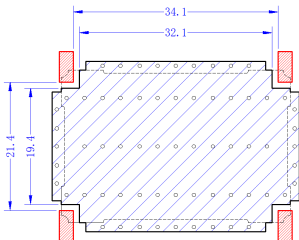
Other parameters

Connector	SMD
Impedance	50Ω
Power	300W
Work Temp.	-55~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade
Other	Replace IPP-8044

Port Definition

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

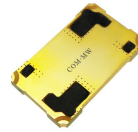
Suggested PCB Layout



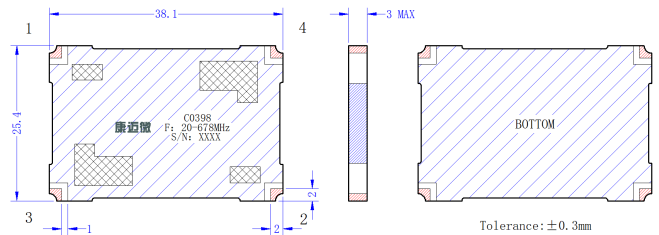
Typical test data

F(MHz)	S12 IL	S14 ISO	S11 VSWR	S33 VSWR	S13 C
20	-0.01	-95	1.01	1.28	-50.1
100	-0.02	-82.6	1.02	1.22	-49.9
150	-0.04	-86.4	1.03	1.18	-49.7
240	-0.05	-85.4	1.04	1.13	-49.8
320	-0.13	-84.9	1.05	1.12	-50.1
420	-0.14	-77.2	1.07	1.12	-50.2
520	-0.19	-74.2	1.08	1.13	-50.3
600	-0.2	-71.3	1.07	1.14	-50.1
680	-0.23	-69.1	1.07	1.16	-50.1

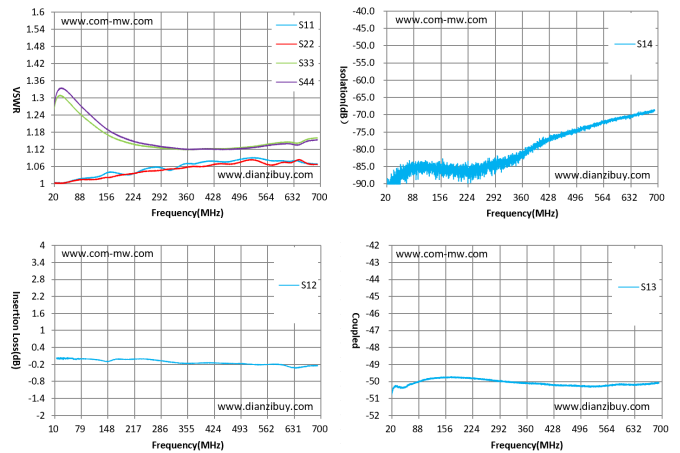
Reference picture



Configuration(mm)



Typical test curve



Note

- Please do not wash the product in the cleaning solution.,Please do not wash the product in the cleaning solution.
- The product supports 220 °C reflow soldering.