

Product features

Small size, high cost-effectiveness.

Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband			DC	~	13	MHz
Passband IL				0.5	1.2	dB
Rejection	17	MHz $\geq$	20			dB
Rejection	18.5	MHz $\geq$	30			dB
Rejection	20-2200	MHz $\geq$		40		dB
Passband VSWR				1.3	1.5	

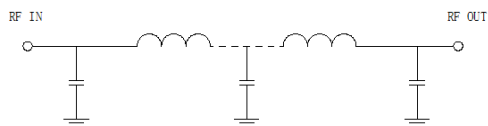
Other parameters

Connector	SMD
Impedance	50 Ω
Power	1W Design assurance
Work Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade
Other	-3dB cutoff frequency 15.1MHz; Replace SXLP-13+

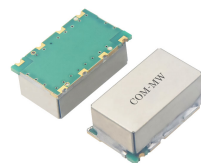
Port Definition

I/O Port	1,8
GND	2, 3, 4, 5,6,7

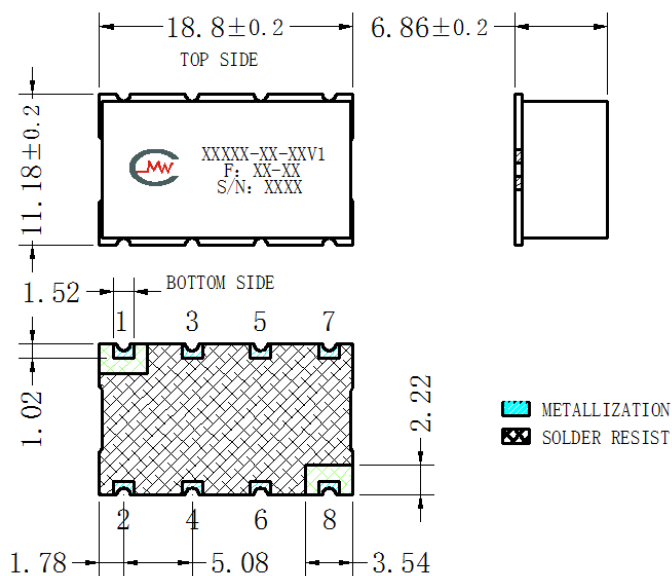
Functional diagram



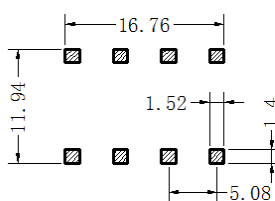
Reference picture



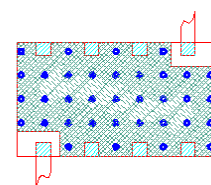
Configuration(mm)



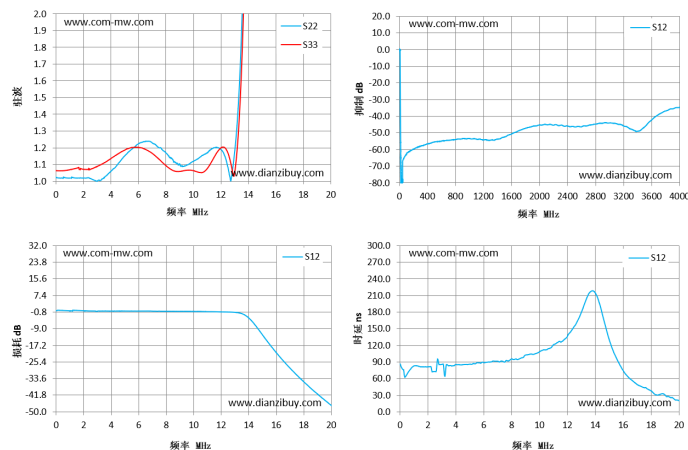
PCB Land Pattern



Suggested PCB Layout



Typical test curve



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

Typical test data

Frequency(MHz)	S22 VSWR	S33 VSWR	S12 IL dB	S12 Delay nS
0.01	1.03	1.06	-0.1	86.59
1	1.02	1.07	-0.1	82.9
3	1	1.09	-0.4	85.79
4	1.06	1.13	-0.25	85.38
6	1.22	1.2	-0.23	88.64
7	1.23	1.17	-0.26	91.36
9	1.11	1.06	-0.39	102.5
10	1.12	1.06	-0.44	108.4
11	1.17	1.07	-0.53	121.2
13	1.16	1.04	-0.85	179.68
14	3.79	3.39	-3.6	214.35
16	43.82	37.51	-20.74	74.25
17	64.95	50.92	-28.43	49.26
19	92.2	52.69	-41.28	30.48
20	101.03	50.38	-46.88	20.02

Note

1	Please do not wash the product in the cleaning solution.,Please do not wash the product in the cleaning solution.
2	The product supports 190 °C reflow soldering