

Product features

Broadband, small volume.

Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband			54	~	1000	MHz
Passband IL				0.6	2.0	dB
Rejection	42	MHz $\geq$	20			dB
Rejection	DC-40	MHz $\geq$	30			dB
Passband VSWR				1.3	1.9	

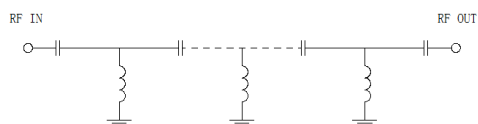
Other parameters

Connector	SMD
Impedance	50 Ω
Power	0.5W Design assurance
Work Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade
Other	Replace SXHP-48+

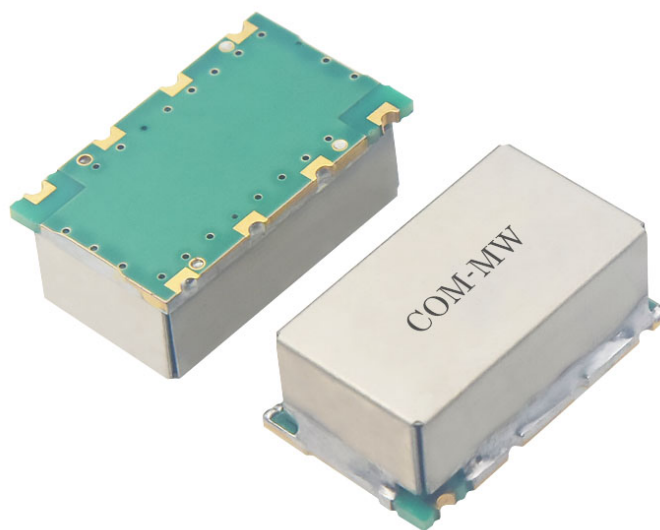
Port Definition

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

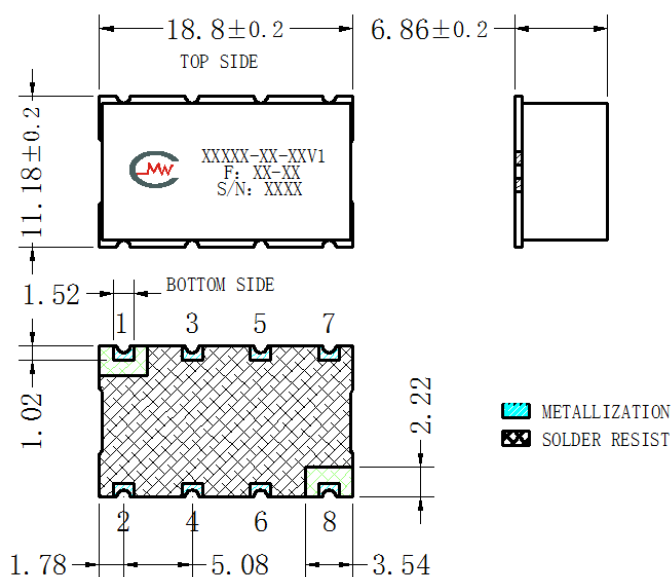
Functional diagram



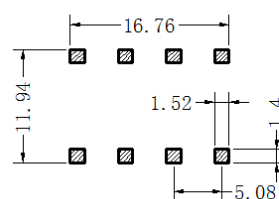
Reference picture



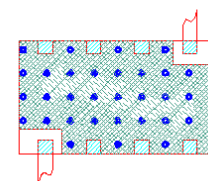
Configuration(mm)



PCB Land Pattern



Suggested PCB Layout

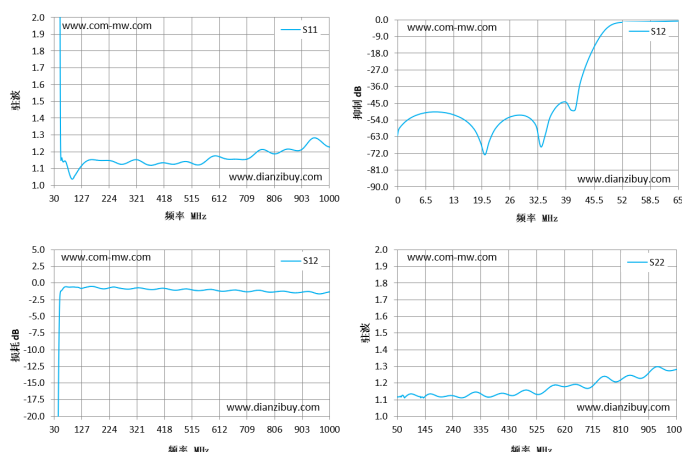


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test data

Frequency(MHz)	S11 VSWR	S12 IL dB	S22 VSWR
30	6.8	-52.38	4.13
99	1.04	-0.57	1.13
169	1.15	-0.5	1.13
238	1.14	-0.57	1.12
307	1.15	-0.8	1.14
376	1.12	-0.96	1.12
446	1.13	-1.02	1.13
515	1.13	-1	1.14
584	1.17	-0.94	1.19
654	1.16	-1.06	1.19
723	1.17	-1.23	1.2
792	1.2	-1.35	1.21
861	1.22	-1.37	1.24
931	1.27	-1.28	1.3
1000	1.23	-1.3	1.28

Typical test curve



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