

Product features

Small size, high cost-effectiveness.

Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband	/	/	87	~	117	MHz
Passband IL	/	/			3	dB
Rejection	66	MHz $\geq$	20			dB
Rejection	143	MHz $\geq$	20			dB
Passband VSWR	/	/			1.5	

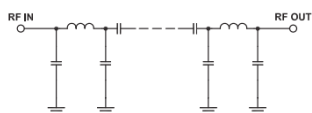
Other parameters

Connector	SMD
Impedance	50 Ω
Power	2W
Work Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+85°C Design assurance
Quality Grade	Industrial grade
Other	Replace SXBP-100+

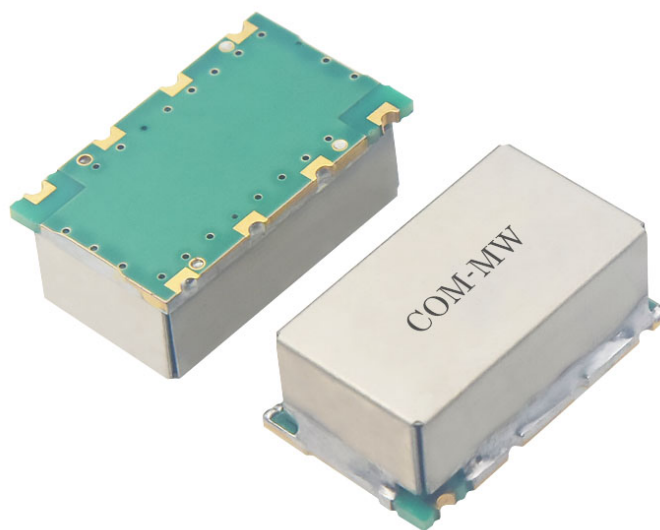
Port Definition

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

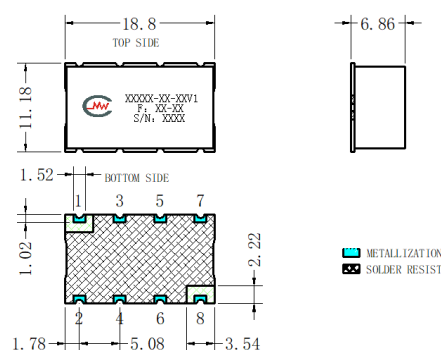
Functional diagram



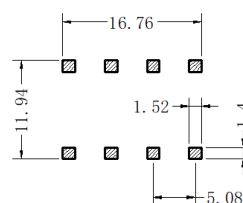
Reference picture



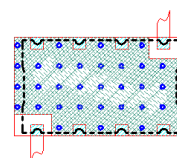
Configuration(mm)



PCB Land Pattern



Suggested PCB Layout

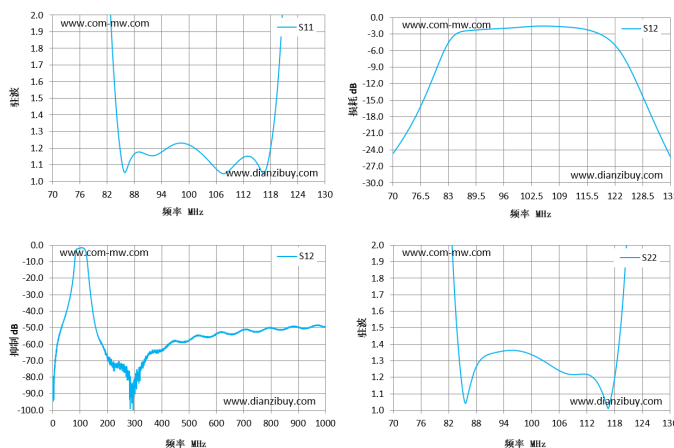


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test data

Frequency(MHz)	S11 VSWR	S12 IL dB	S22 VSWR
70	26.65	-24.92	26.3
74	53.19	-19.98	66.41
79	5.63	-11.81	5.9
83	1.91	-4.82	1.91
87	1.13	-2.48	1.18
91	1.16	-2.23	1.34
96	1.21	-2.03	1.36
100	1.22	-1.8	1.34
104	1.14	-1.61	1.28
109	1.07	-1.69	1.21
113	1.15	-1.92	1.21
117	1.05	-2.5	1.01
121	2.25	-4.24	2.2
126	11.07	-9.6	10.92
130	15.05	-16.15	22.36

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