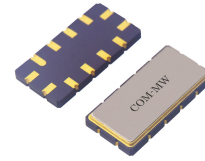


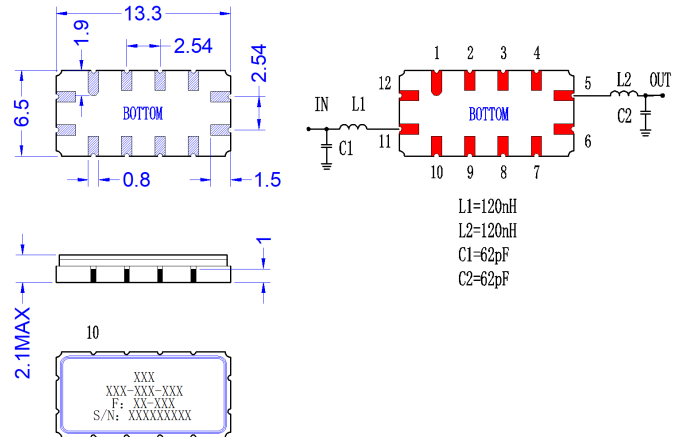
Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Center Frequency	/	/	69.85	70	70.15	MHz
Center loss	/	/		8.53	9.8	dB
Ripple	/	/		1	1.3	dB
Rejection			38	42		dB
1dB BW			6	6.25		MHz
-3dB BW			6.35	6.8		MHz
-40dB BW				9.95	10.8	MHz
Group delay ripple				100	150	ns
Group delay				940		ns
VSWR	/	/		1.2		

Reference picture



Configuration(mm)



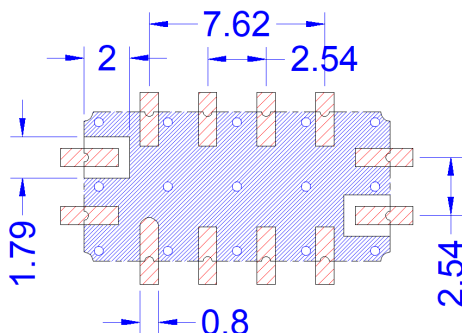
Other parameters

Connector	SMD
Power	10dBm Design assurance
Substrate Material	YZ-LiNbO3
Work Temp.	-40~+80°C Design assurance
Quality Grade	Industrial grade

Port Definition

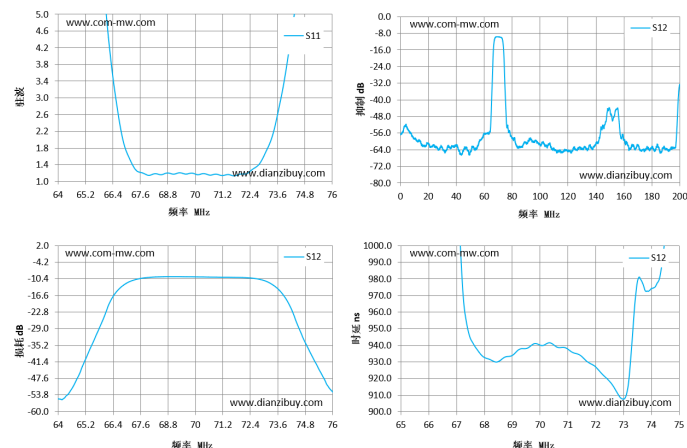
I/O Port	5, 11
GND	1, 2, 3, 4, 6, 7, 8, 9, 10, 12

Suggested PCB Layout



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

Typical test curve



Typical test data

Frequency(MHz)	S11 VSWR	S12 IL dB	S12 Rej. dB	S12 Delay nS
64	15.13	-55.19	-55.19	1109.92
65	11.87	-45.03	-45.03	1108.61
66	5.84	-25.36	-25.36	1099.94
67	1.75	-12.09	-12.09	1056.51
67	1.75	-12.09	-12.09	1056.51
68	1.14	-9.84	-9.84	932.89
69	1.18	-9.58	-9.58	933.54
70	1.18	-9.64	-9.64	940.24
71	1.17	-9.76	-9.76	937.95
72	1.17	-9.86	-9.86	927.35
73	1.56	-10.93	-10.93	907.56
73	1.56	-10.93	-10.93	907.56
74	3.62	-17.97	-17.97	973.49
75	7.21	-37	-37	1059.34
76	9.39	-52.3	-52.3	1117.04

Note

- The product supports 220 °C reflow soldering