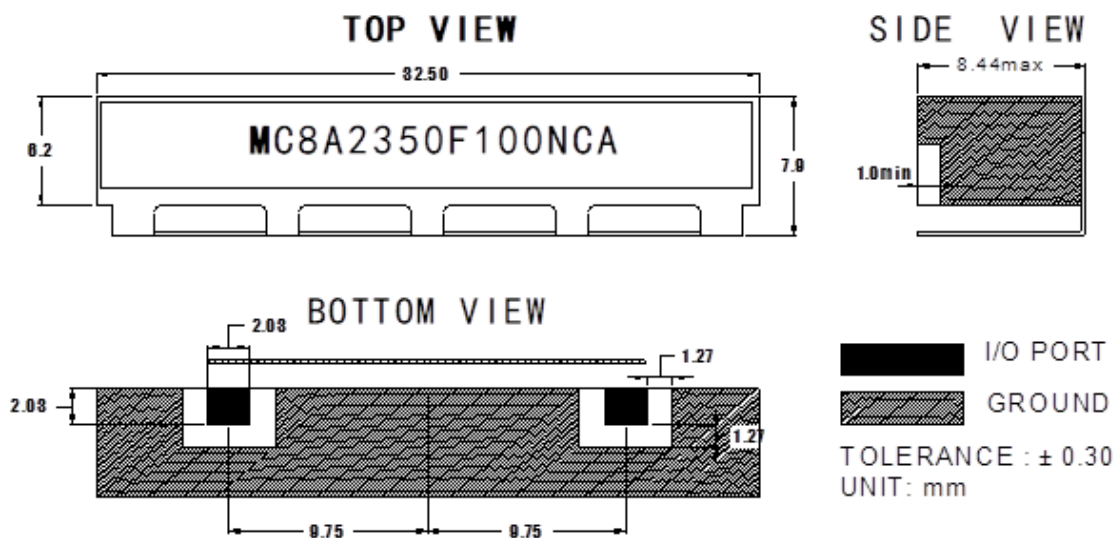


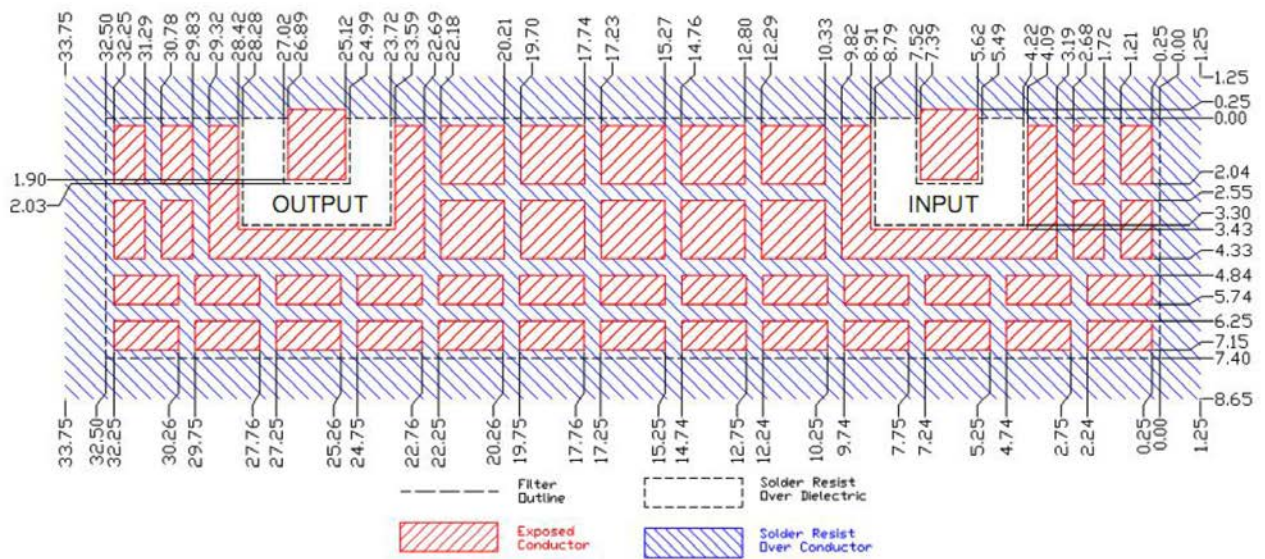
Electrical Specification

Parameter	Frequency MHz	Typ. @25°C	SPEC @25°C	SPEC @-40°C~+ 85°C	Unit
Center Frequency	2350				MHz
Bandwidth (BW)	F0±50[2300~2400]				MHz
Insertion Loss in BW	2300~2400	1.5 max.	1.6 max.	1.8 max.	dB
Ripple in BW	2300~2400	0.85 max.	1.0 max.	1.1 max.	dB
Return Loss in BW @Port1	2300~2400	15 min.	14 min.	14 min.	dB
Return Loss in BW @Port2	2300~2400	15 min.	14 min.	14 min.	dB
Attenuation (Absolute Value)	@10~2110	47 min.	40 min.	40 min.	dB
	@2110~2170	48 min.	45 min.	45 min.	
	@2200~2250	28 min.	25 min.	25 min.	
	@2250~2280	15.5 min.	10 min.	9 min.	
	@2420~2443	16 min.	10 min.	9 min.	
	@2444~2500	33 min.	30 min.	30 min.	
	@2500~2690	44 min.	40 min.	40 min.	
	@2690~3000	35 min.	15 min.	15 min.	
Impedance	50				ohm
Input Power	2 max.				W
Operating Temperature	-40 to +85				°C

Outline Drawing



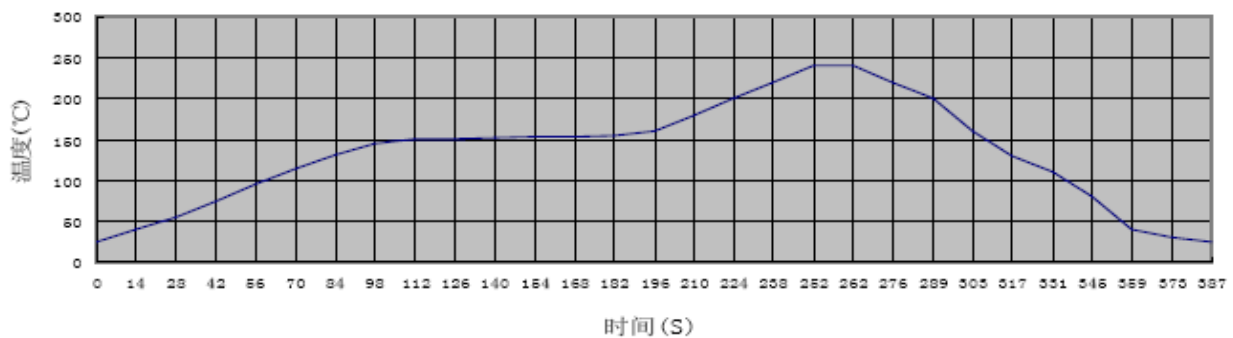
Recommended PCB Layout



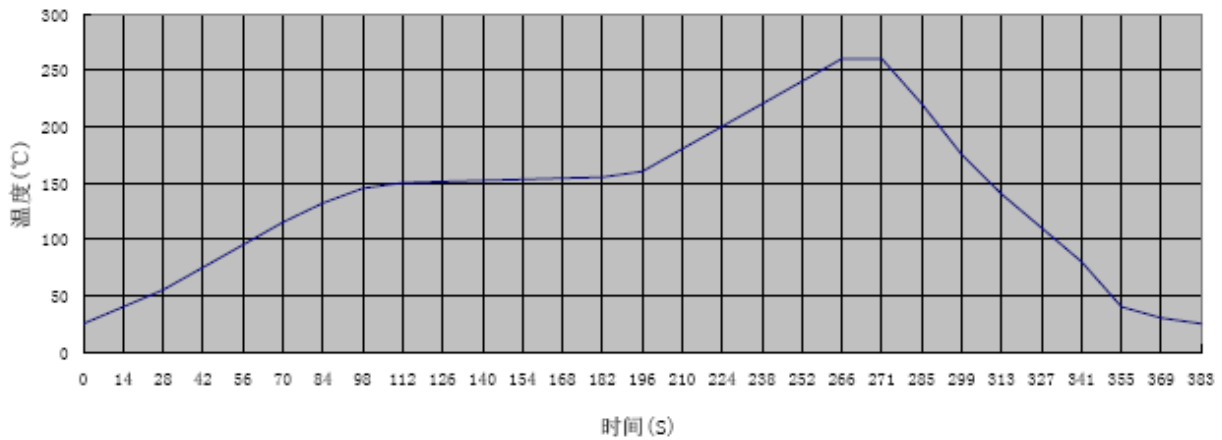
Remarks: Recommend to use silver-containing solder paste

Application Instructions:

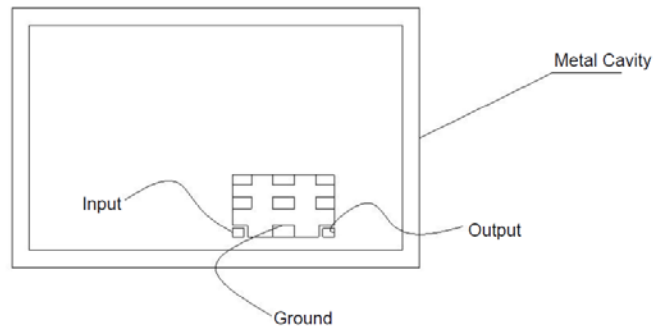
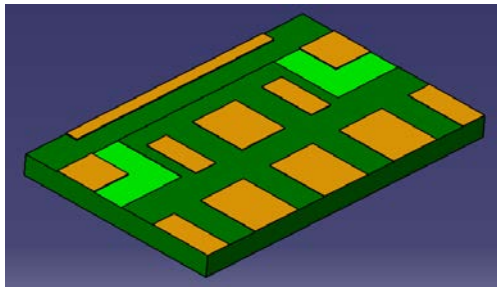
1. Recommended Soldering Temperature
 - a. Containing Pb Soldering,
Recommend the solder paste of melting points 183°C, soldering temperature won't exceed 230°C. Refer to the below reflow soldering profile.



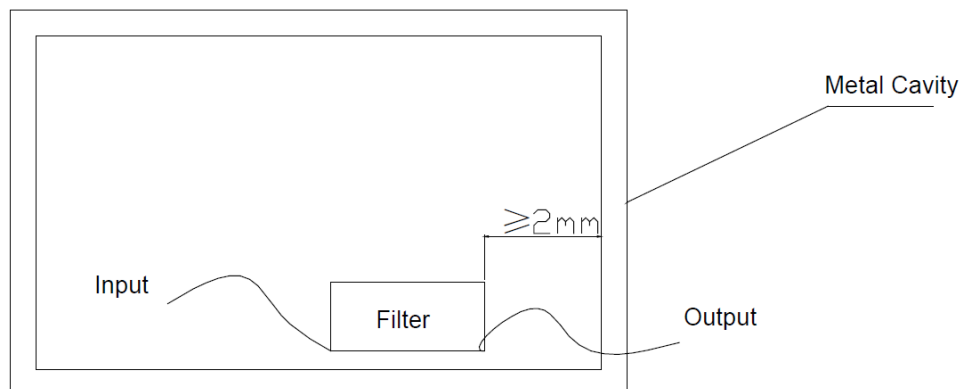
- b. Pb-free soldering
Recommend the solder paste of melting point 217°C, soldering temperature won't exceed 260°C. Refer to the below reflow soldering profile.



- PCB layout for soldering the filter should be designed in grid pattern. Refer to recommended PCB Layout for more details. Soldering Area is 50%-70% of ground area of this filter.



- This filter should be soldered 2mm (at least) away from metal cavity, in order to avoid degrading filter's performance by metal cavity. Refer to the below figure.



- It would achieve better performance that the top of the filter is grounded too.
- Mounting screws around the filter should be 1cm away from the filter.
- To avoid PCB transformation during mounting the filter.
- If customer will solder PCB of the filter on Aluminum plate, please contact us directly.