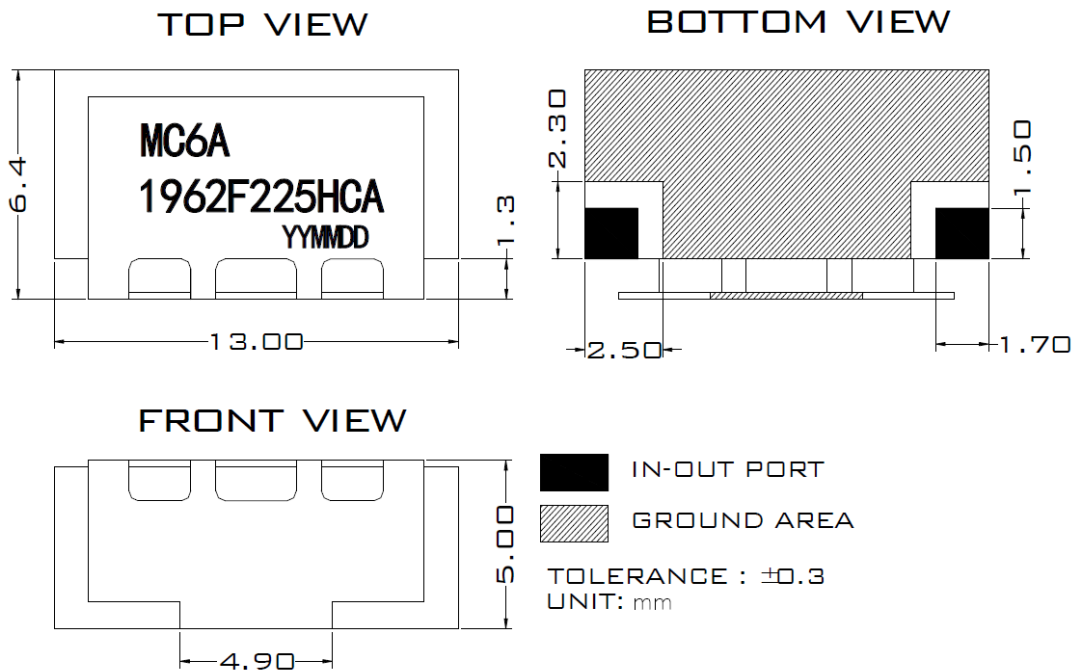


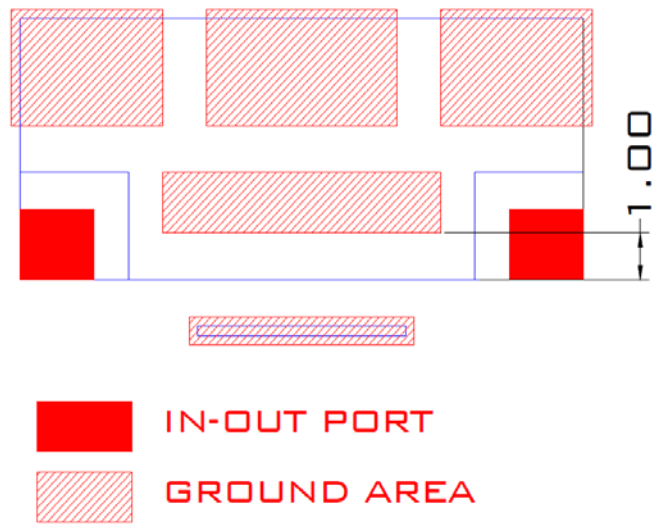
Electrical Specification

Parameter	Specification	Unit
Center Frequency	1962.5	MHz
Bandwidth (BW)	F0±112.5[1850~2075]	MHz
Insertion Loss in BW	2.0 max.	dB
Ripple in BW	0.4 max.	dB
Return Loss in BW	16 min.	dB
Attenuation (Absolute Value)	45 min.@DC~350 MHz	dB
	40 min.@1590~1655 MHz	
	25 min.@1655~1720 MHz	
	7.0 min.@1720~1785 MHz	
	2.0 min.@1785~1800 MHz	
	2.0 min.@2125~2140 MHz	
	4.0 min.@2140~2205 MHz	
	21 min.@2205~2270 MHz	
	40 min.@2270~2335 MHz	
15 min.@3860~3990 MHz		
Input Power	0.5 max.	W
Impedance	50	ohm
Operating Temperature	-40 to +85	°C

Outline Drawing



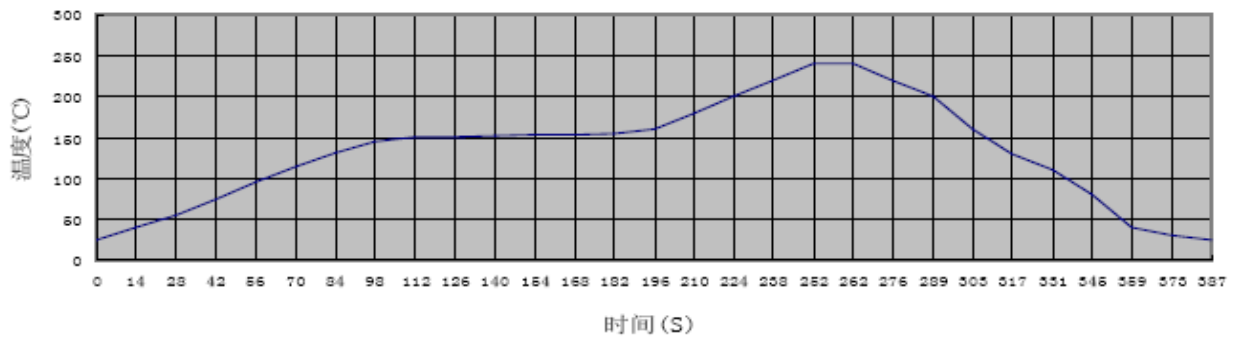
Recommended PCB Layout



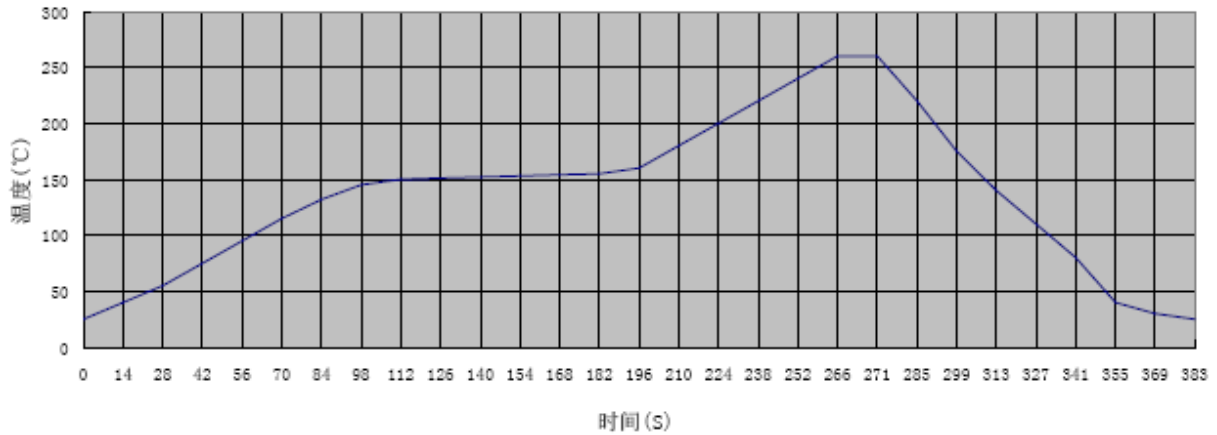
Remarks: Recommend to use silver-containing solder paste

Application Instructions:

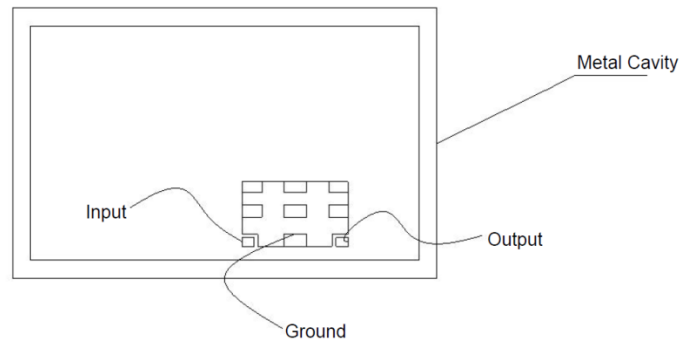
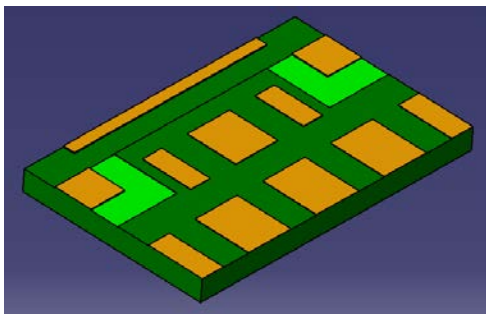
1. Recommended Soldering Temperature
 - a. Containing Pb Soldering,
Recommend the solder paste of melting points 183°C, soldering temperature won't exceed 230°C. Refer to the below reflow soldering profile.



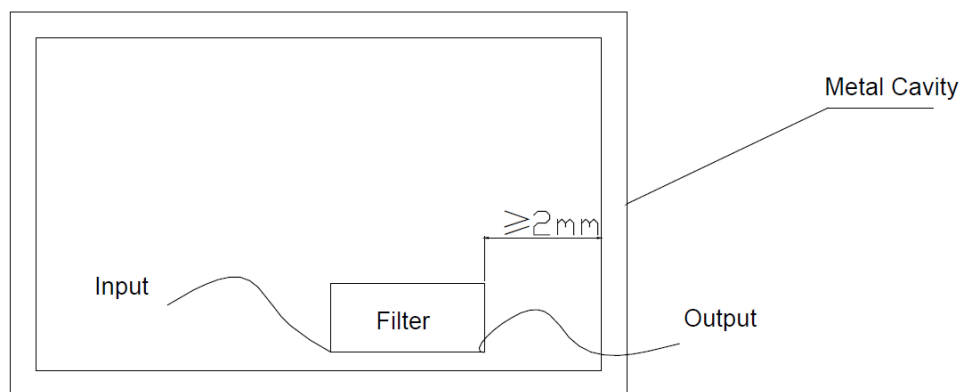
- b. Pb-free soldering
Recommend the solder paste of melting point 217°C, soldering temperature won't exceed 260°C. Refer to the below reflow soldering profile.



- 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.