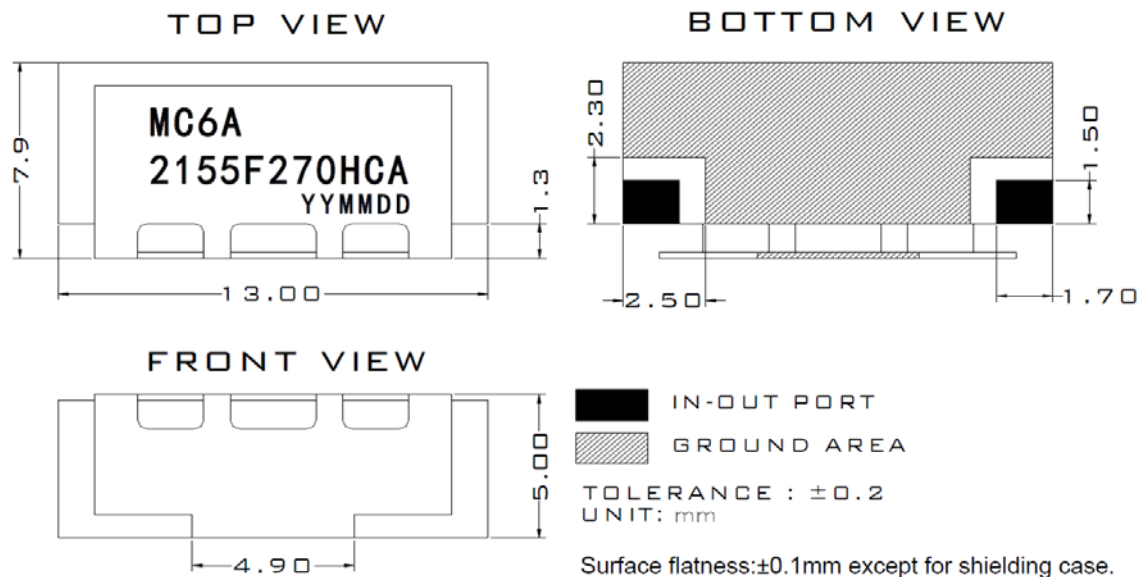


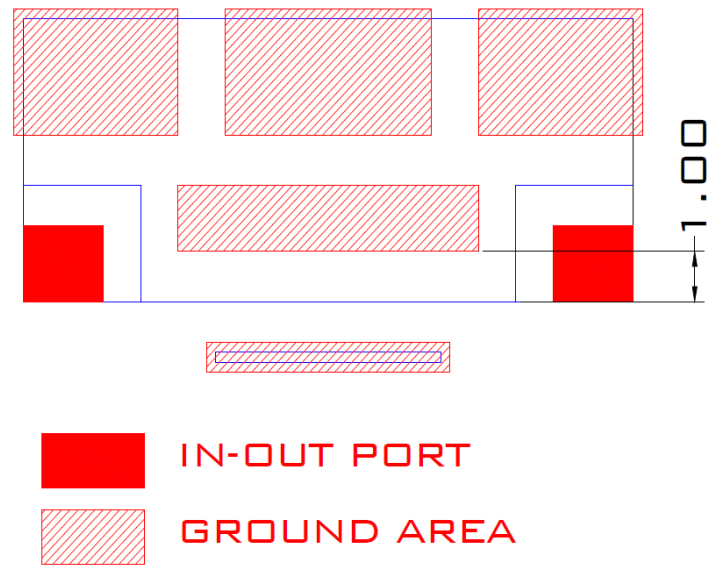
Electrical Specification

Parameter	Specification	Unit
Center Frequency	2155	MHz
Bandwidth (BW)	F0±135[2020~2290]	MHz
Insertion Loss in BW	2.0 max.	dB
Ripple in BW	0.3 max.	dB
Return Loss in BW	15 min.	dB
Attenuation (Absolute Value)	45 min.@DC~350 MHz	dB
	35 min.@1700~1730 MHz	
	25 min.@1730~1820 MHz	
	20 min.@1820~1910 MHz	
	4.0 min.@1910~1965 MHz	
	5.0 min.@2345~2400 MHz	
	17 min.@2400~2490 MHz	
	35 min.@2490~2580 MHz	
	45 min.@2580~2690 MHz	
	15 min.@4220~4400 MHz	
Impedance	50	ohm
Input /Out Power	0.5 max.	W
Operating Temperature	-40 to +85	°C

Outline Drawing



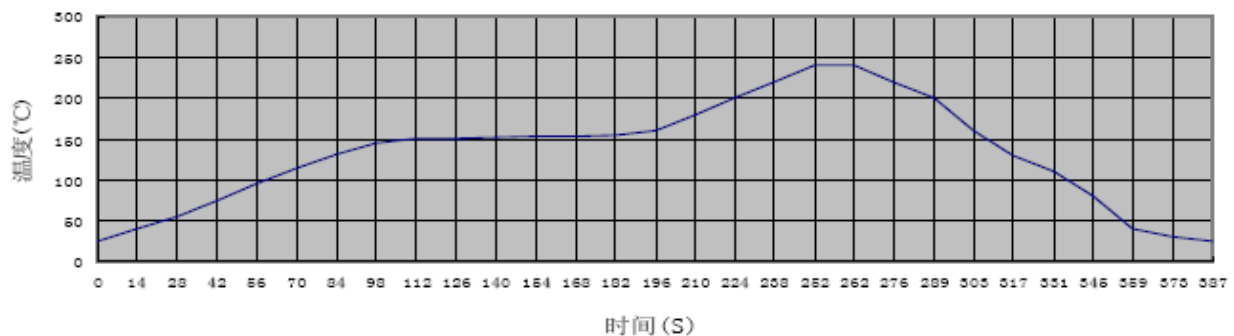
Recommended PCB Layout



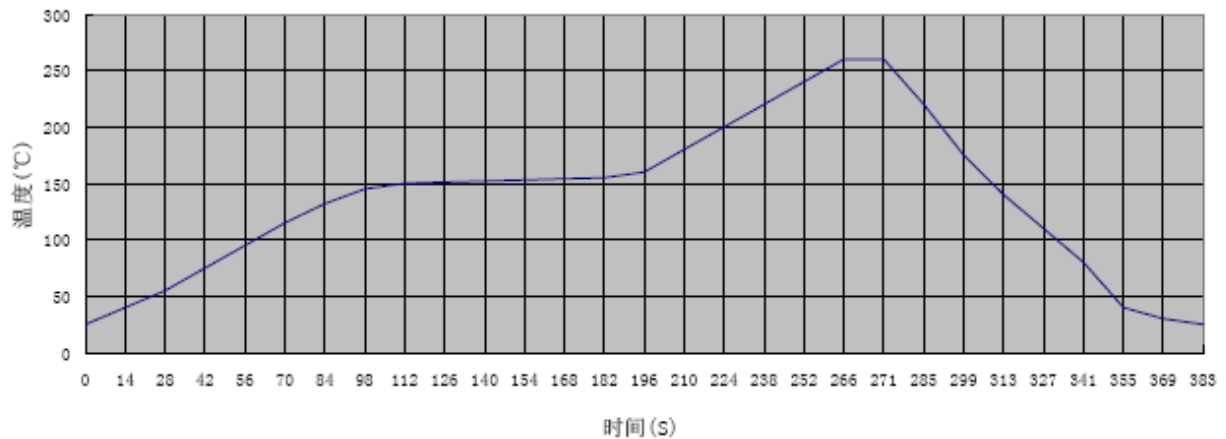
Remarks: Recommend to use silver-containing solder paste

Application Instructions:

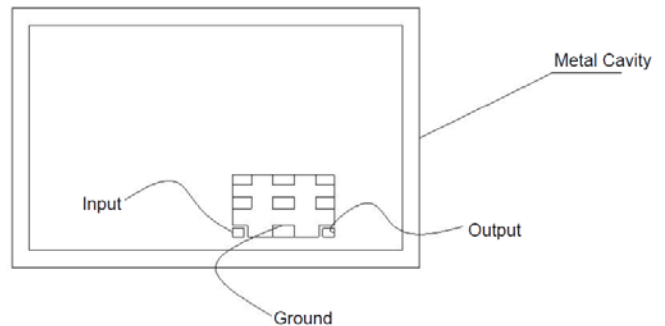
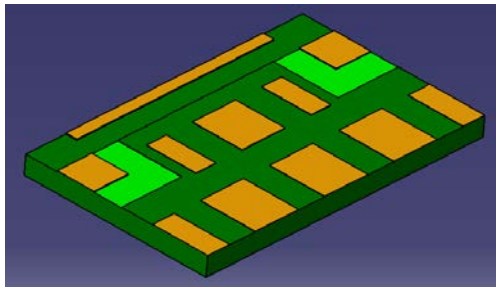
1. Recommended Soldering Temperature
 - a. Containing Pb Soldering,
Recommend the solder paste of melting points 183°C, soldering temperature won't exceed 230°C. Refer to the below reflow soldering profile.



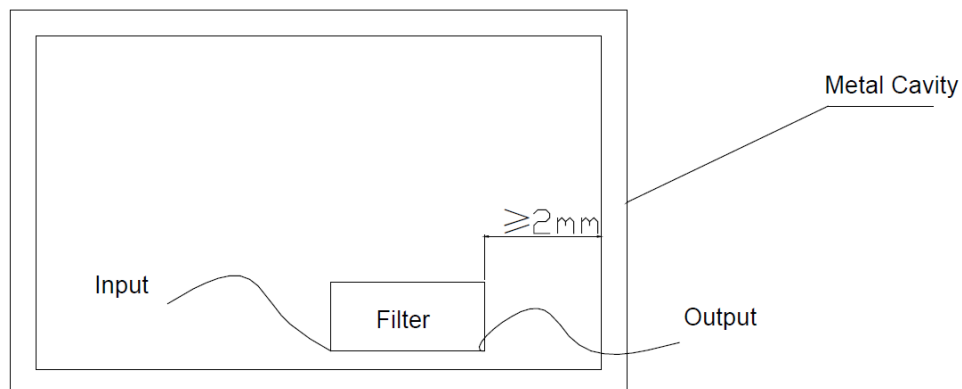
- b. Pb-free soldering
Recommend the solder paste of melting point 217°C, soldering temperature won't exceed 260°C. Refer to the below reflow soldering profile.



- 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.