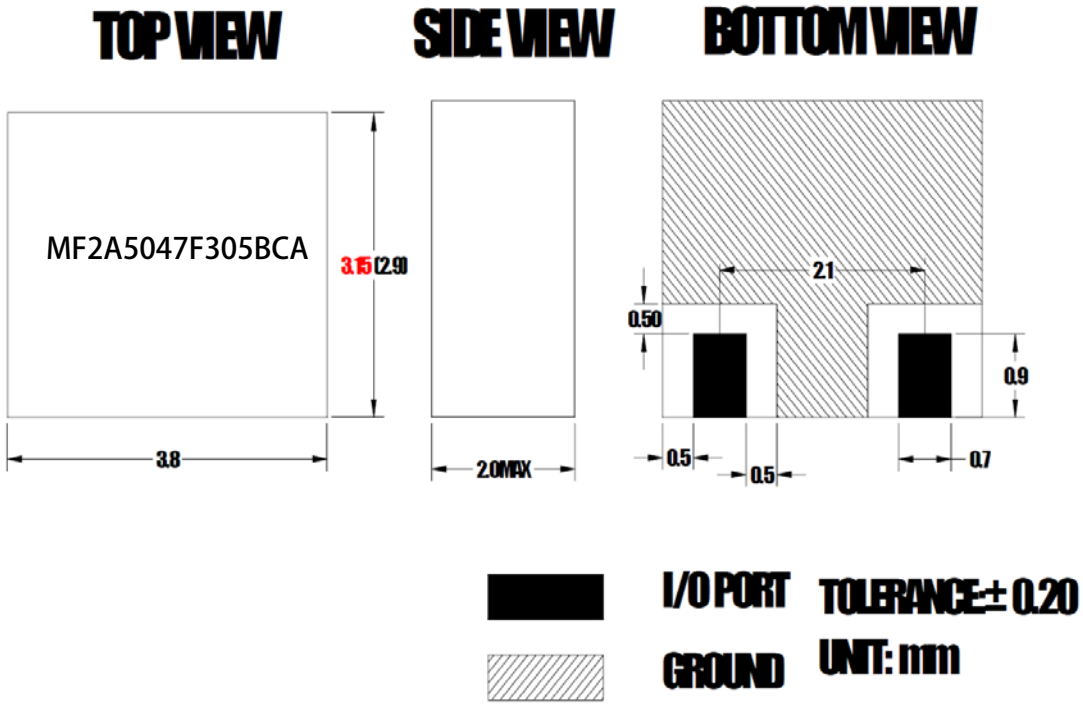
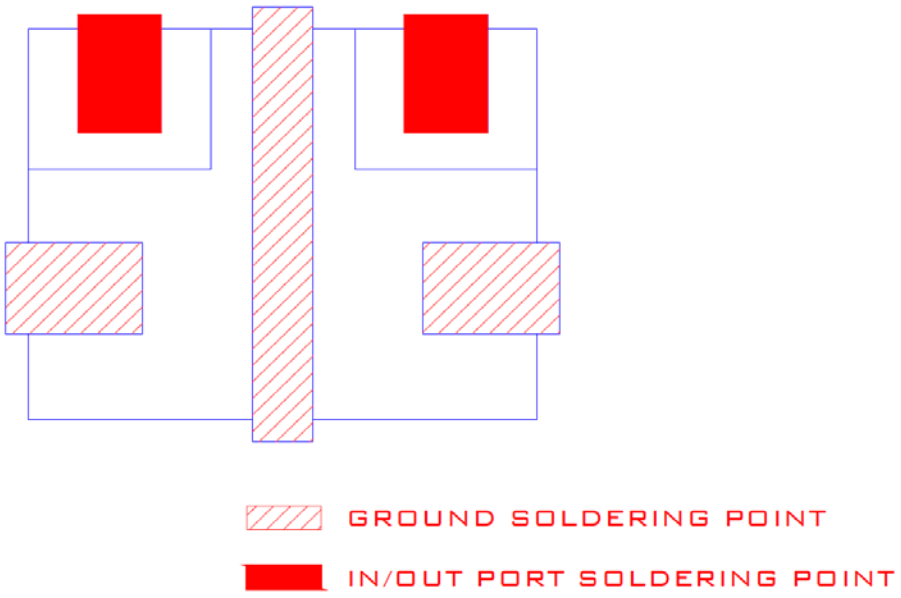
Electrical Specification

Parameter	Specification	Unit
Center Frequency	5047.5	MHz
Bandwidth (1dBBW)	F0±152.5[4895~5200]min.	MHz
Insertion Loss in BW	2.0 max.	dB
VSWR in BW	2 :1 max.	Ratio
Attenuation（Absolute Value）	50 min.@0.1~1990 MHz	dB
	45 min.@2400~2484 MHz	
	30 min.@3200~3500 MHz	
	15 min.@6650~6850 MHz	
	20 min.@4435~4895 MHz	
	20 min.@5200~5820 MHz	
Impedance	50	ohm
Operating Temperature	-40 to +85	℃
Quantity	10	PCS

Outline Drawing



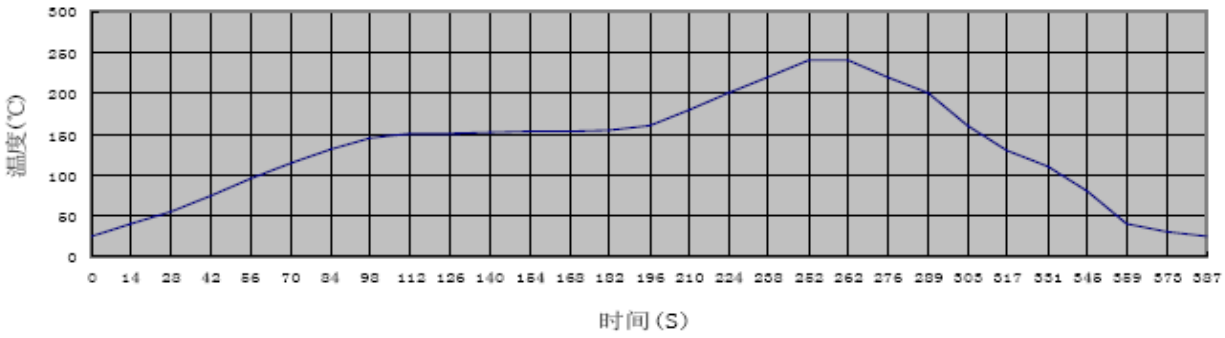
Recommended PCB Layout



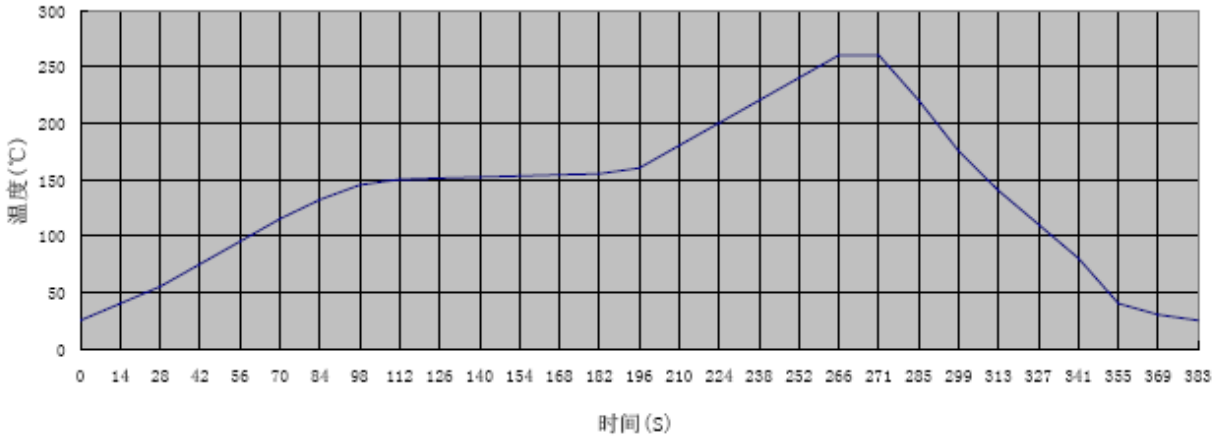
Remarks: Recommend to use silver-containing solder paste

Application Instructions:

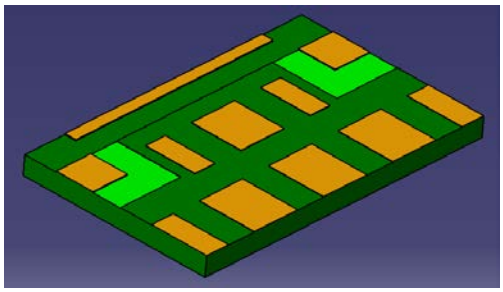
1. Recommended Soldering Temperature
   a. Containing Pb Soldering,
   Recommend the solder paste of melting points 183℃, soldering temperature won't exceed 230℃. Refer to the below reflow soldering profile.

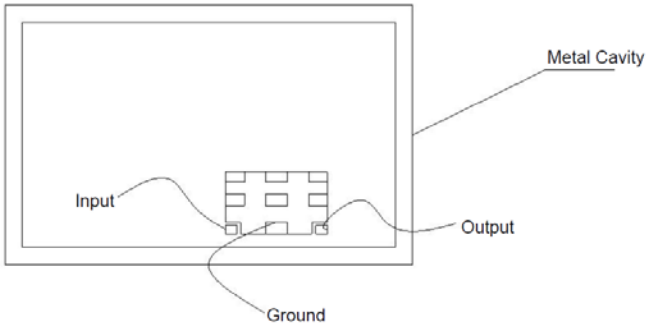


   b. Pb-free soldering
   Recommend the solder paste of melting point 217℃, soldering temperature won't exceed 260℃. Refer to the below reflow soldering profile.

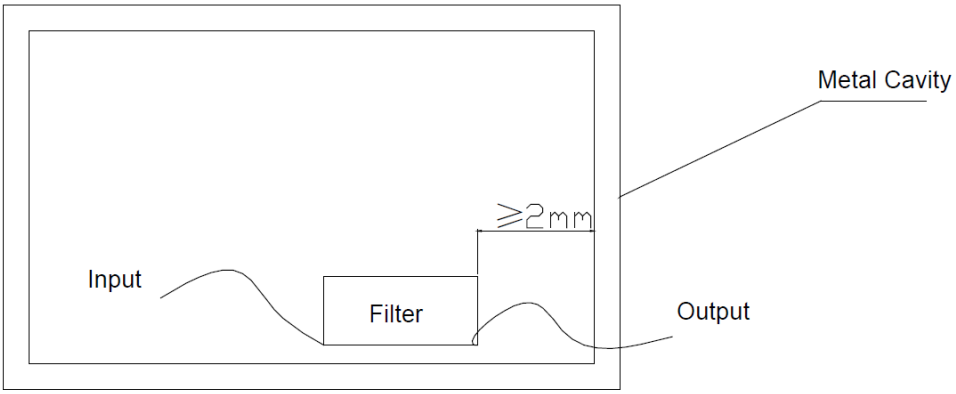


2. PCB layout for soldering the filter should be designed in grid pattern. Refer to recommended PCB Layout for more details. Soldering Area is 50%-70% of ground area of this filter.





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



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