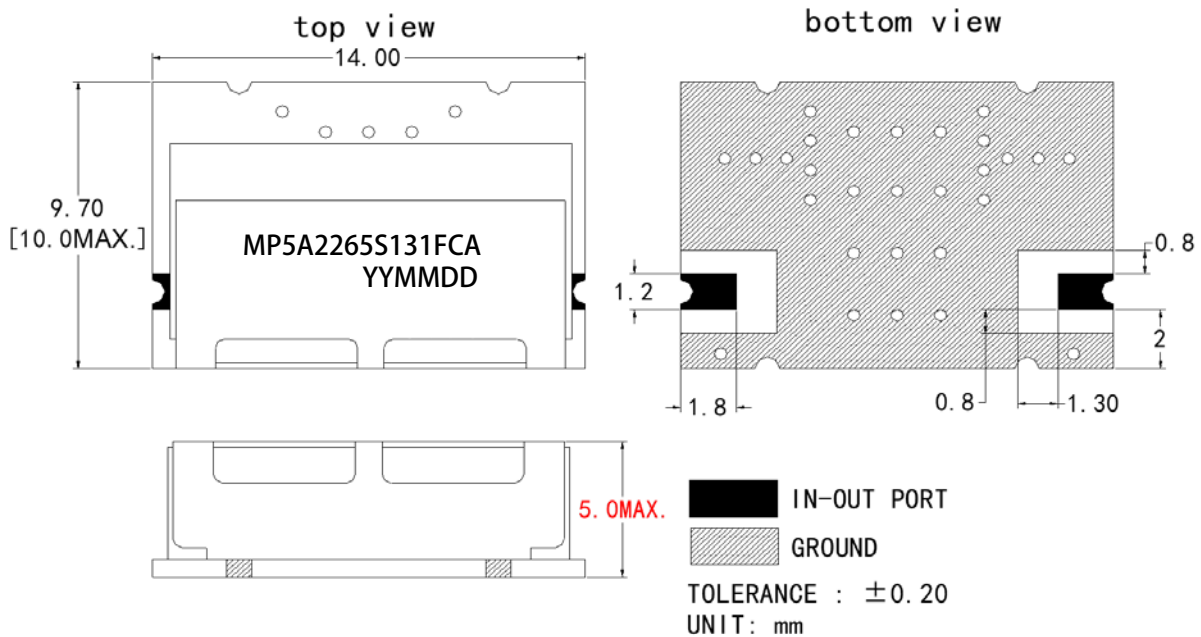


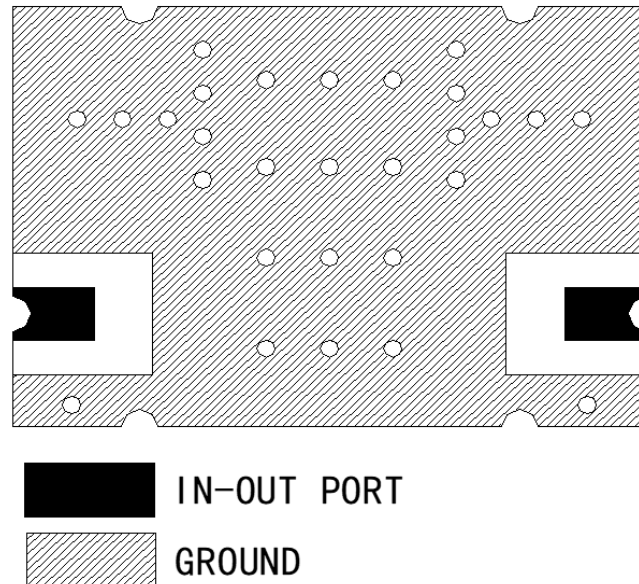
Electrical Specification

Parameter	Specification	Unit
Center Frequency	2265.5	MHz
Bandwidth (1dBBW)	$F_0 \pm 65.5 [2200 \sim 2331] \text{min.}$	MHz
Insertion Loss in BW	3.0 max.	dB
Ripple in BW	0.6 max.	dB
VSWR in BW	1.5:1 max.	Ratio
Attenuation (Relative Value)	30 min.@2120 MHz	dBc
	30 min.@2420 MHz	
	40 min.@1509~1604 MHz	
Group Delay Vibration at any 20MHz	3.5 max.@2200~2331MHz	ns
Group Delay Difference	2.5 max. between 2200MHz and 2331MHz	ns
Phase Matching	$\pm 3 @ 2200 \sim 2331 \text{MHz}$	°
Amplitude Consistency	$\pm 0.2 @ 2200 \sim 2331 \text{MHz}$	dB
Impedance	50	ohm
Operating Temperature	-55 to +85	°C

Outline Drawing



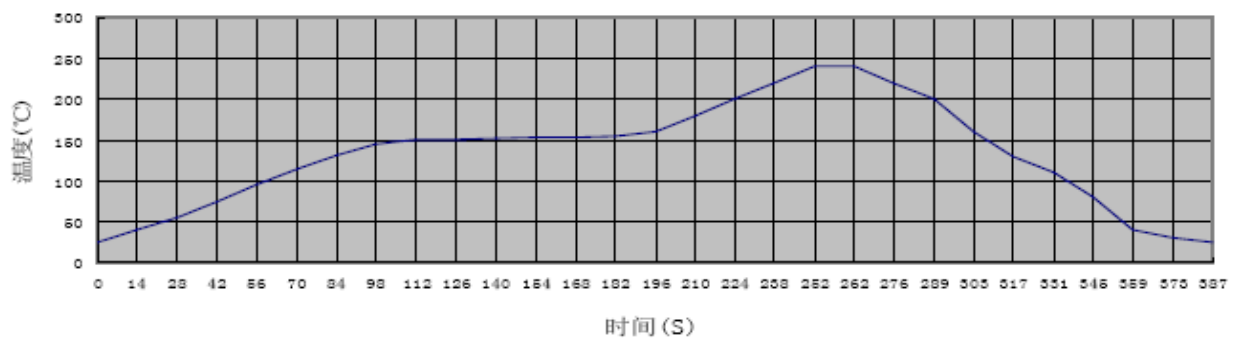
Recommended PCB Layout



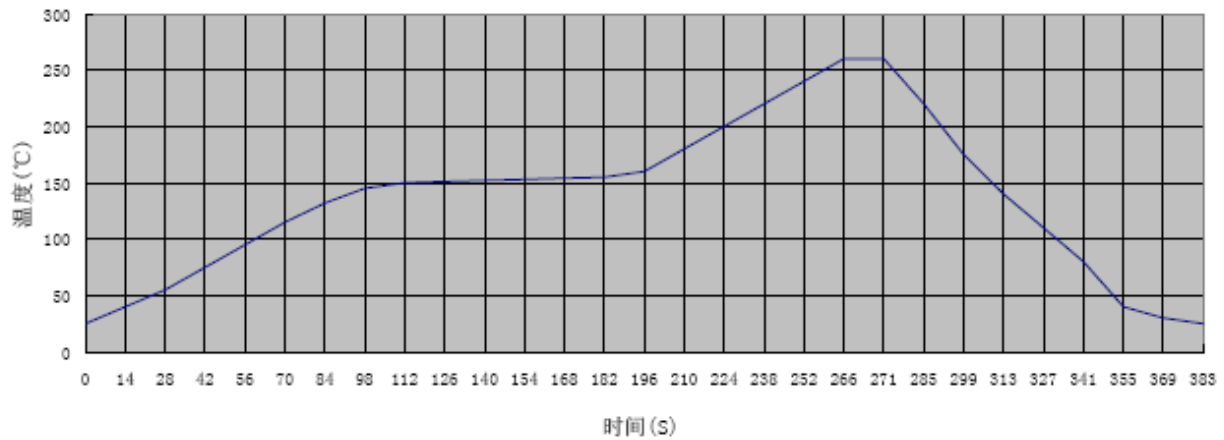
Remarks: Recommend to use silver-containing solder paste

Application Instructions:

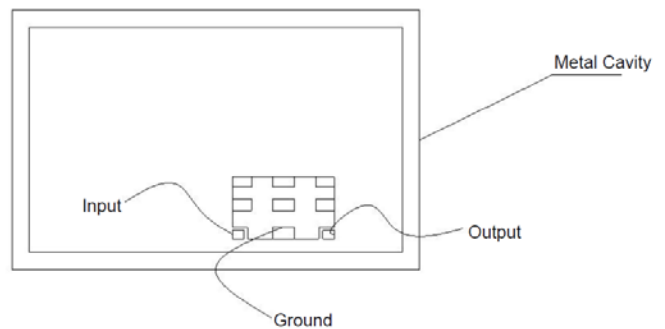
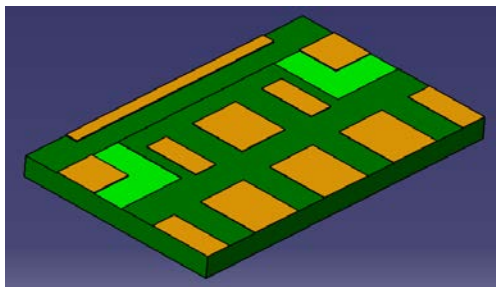
1. Recommended Soldering Temperature
 - a. Containing Pb Soldering,
Recommend the solder paste of melting points 183°C, soldering temperature won't exceed 230°C. Refer to the below reflow soldering profile.



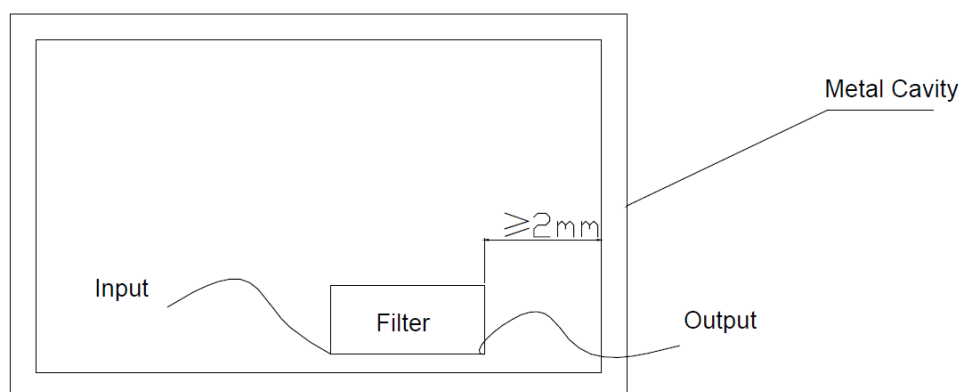
- b. Pb-free soldering
Recommend the solder paste of melting point 217°C, soldering temperature won't exceed 260°C. Refer to the below reflow soldering profile.



- 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.