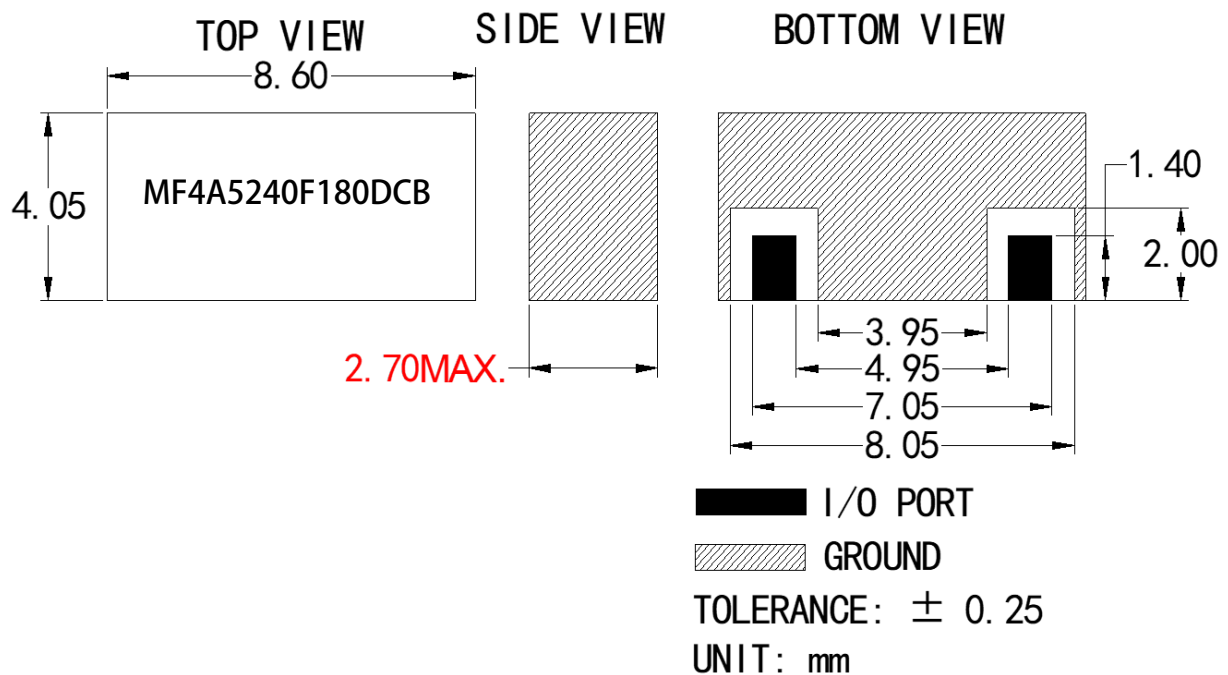


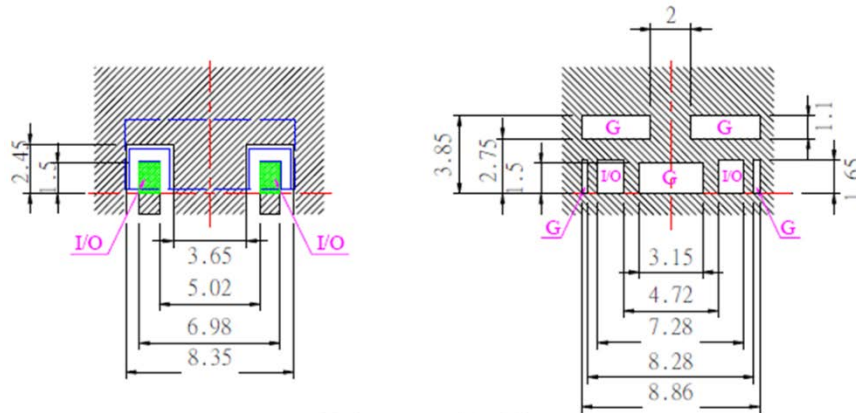
Electrical Specification

Parameter	Specification	Unit
Center Frequency	5240	MHz
Bandwidth (BW)	F0±90[5150~5330]	MHz
Insertion Loss in 5150~5320MHz	2.8 max.	dB
Insertion Loss in 5320~5330MHz	3.2 max.	dB
Ripple in BW	1.8 max.	dB
Return Loss in BW	10 min.	dB
Attenuation (Absolute Value)	38 min.@30~2700 MHz	dB
	16 min.@3453~3547 MHz	
	33 min.@3667~3883 MHz	
	50 min.@5490~5850 MHz	
	20 min.@7200~7500 MHz	
Impedance	50	ohm
Input Power	1 max.	W
Operating Temperature	-40 to +85	°C

Outline Drawing



Recommended PCB Layout



Tolerance ± 0.20
I/O : Input/Output
G : Ground



Electrode



Solder Resist



I/O Pads must be connected to lines with 50Ω impedance. In the application a termination of 50Ω must be realized.



Solder LAND

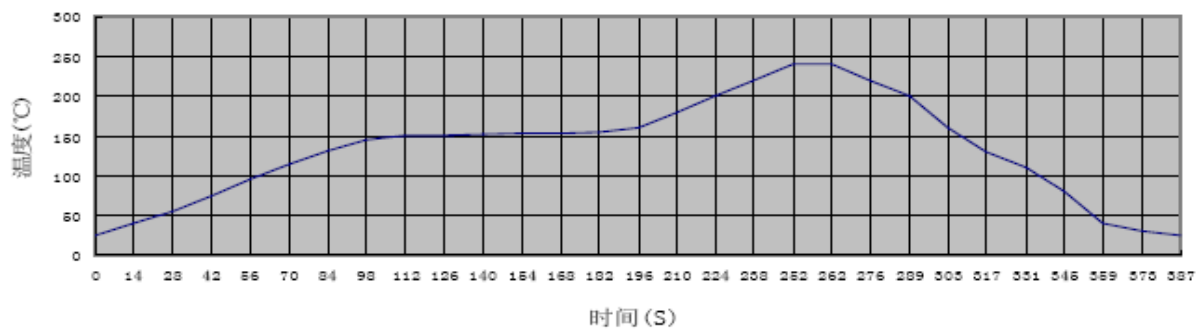
Remarks: Recommend to use silver-containing solder paste

Application Instructions:

1. Recommended Soldering Temperature

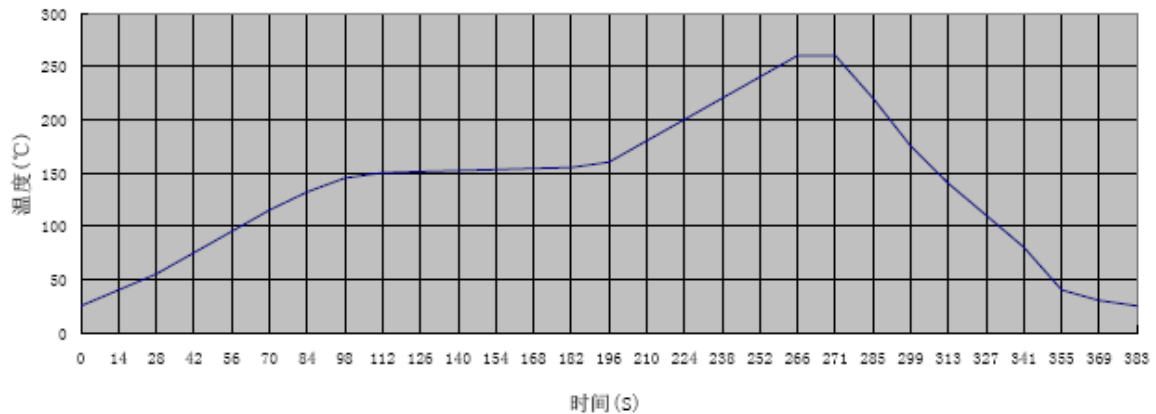
a. Containing Pb Soldering,

Recommend the solder paste of melting points 183°C , soldering temperature won't exceed 230°C . Refer to the below reflow soldering profile.

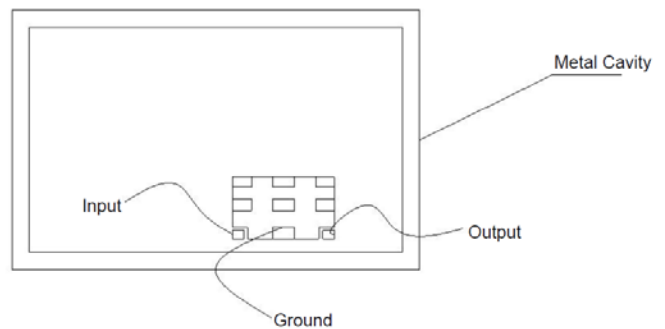
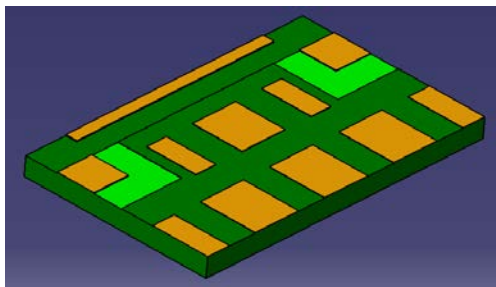


b. Pb-free soldering

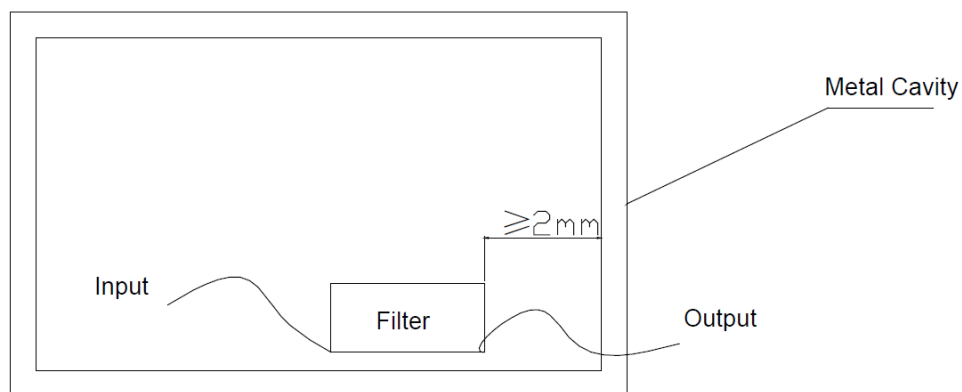
Recommend the solder paste of melting point 217°C, soldering temperature won't exceed 260°C. Refer to the below reflow soldering profile.



- 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.