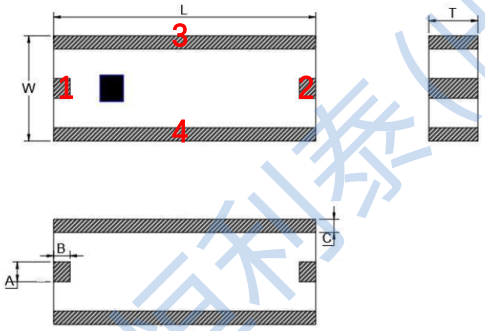
LTCC Bandpass Filter 低温共烧陶瓷 带通滤波器

产品型号（Product model）：HM-BP8042-1800-800M

一、电气性能 Electrical Specifications（TAMB=25°C）

No.	项目		指标
1	中心频点 Center Frequency		1800MHz
2	通带频率 Passband Frequency		1400-2200MHz
3	阻抗 Impedance		50Ω
4	插损 Insertion Loss	1400~2200MHz	≤3.5dB
5	纹波 Ripple	1400~2200MHz	≤2.0dB
6	驻波比 VSWR	1400~2200MHz	≤2.0
7	带外抑制 OOBR	DC~1150MHz	≥45dB
		2800~4000MHz	≥45dB
		4000~6000MHz	≥40dB
8	工作温度 Operating Temperature		-40℃ ~ +85℃
9	存储温度 Storage Temperature		-40℃ ~ +85℃
10	最大输入功率 Input Power max		5W

二、外形尺寸 Outline Drawing（Unit：mm）

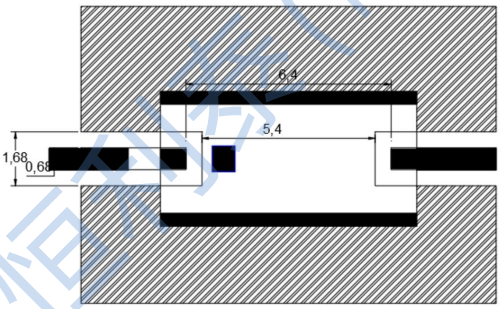


L	8.00 ± 0.20
W	4.20 ± 0.20
T	2.00 ± 0.20
A	0.60 ± 0.10
B	0.50 ± 0.10
C	0.40 ± 0.10

三、引脚定义 Pin Connections

输入 input Port	1
输出 output Port	2
接地 GND	3、4

四、焊盘尺寸 PCB Land Pattern



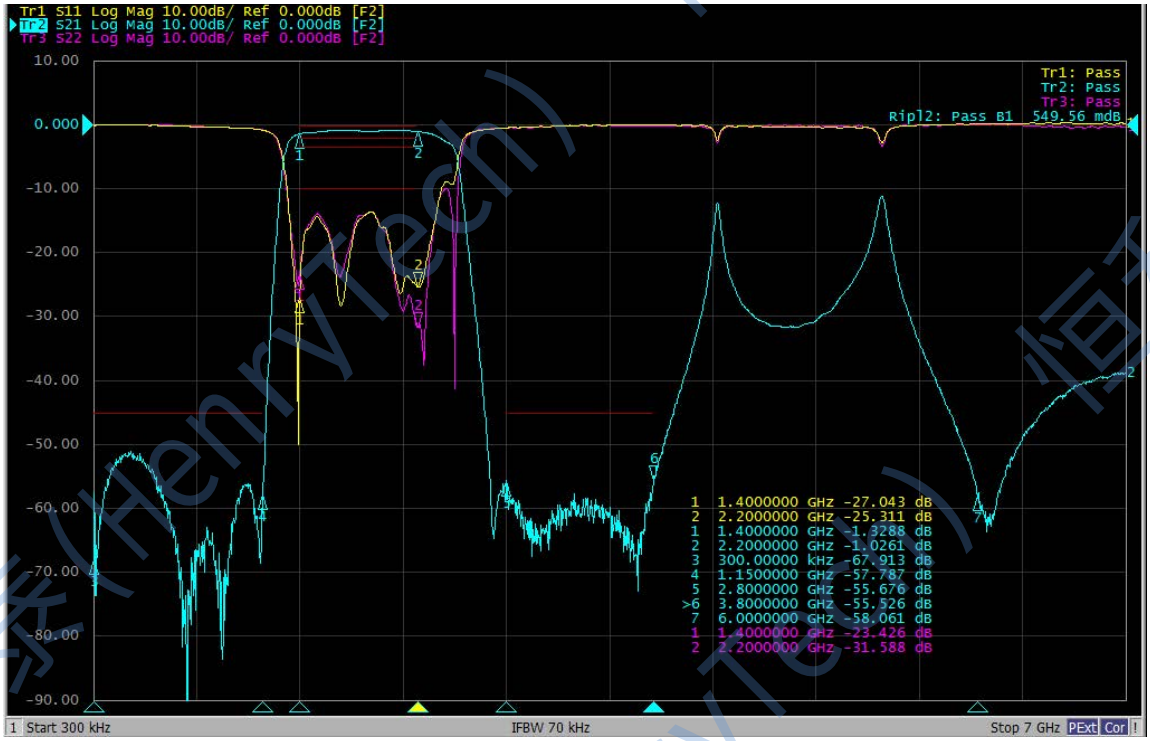
注意 Note：

1. 单位 Unit：mm
2. 线宽应设计为匹配 50Ω 特性阻抗，具体取决于 PCB 材料和厚度。
Line width to be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness

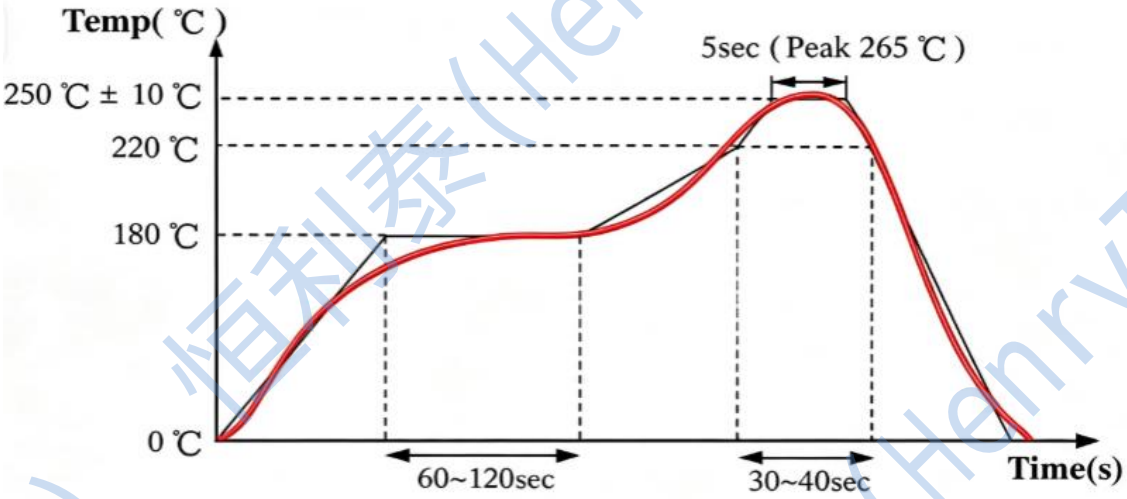
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LTCC Bandpass Filter 低温共烧陶瓷 带通滤波器

五、测试曲线 Test Curve @ 25℃



六、回流焊温度 Reflow Soldering Temperature



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