LTCC Bandpass Filter 低温共烧陶瓷 带通滤波器

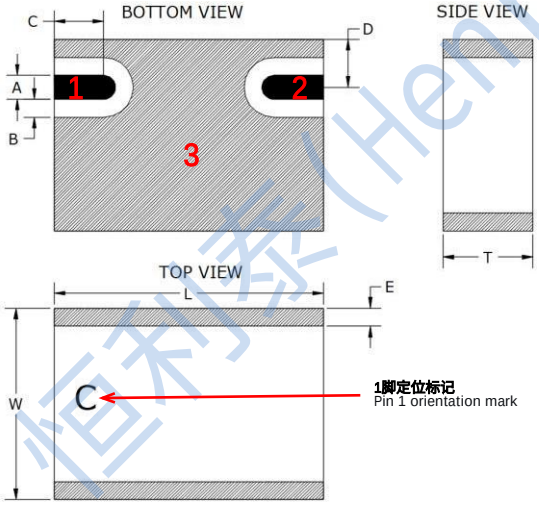
产品型号（Product model）：HM-BP4532-10600-800M

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

No.	项目		指标
1	中心频点 Center Frequency		10600MHz
2	通带频率 Passband Frequency		10200-11000MHz
3	阻抗 Impedance		50Ω
4	插损 Insertion Loss	10200~11000MHz	≤3.7dB
5	纹波 Ripple	10200~11000MHz	≤0.5dB @ any 200MHz slice
6	驻波比 VSWR	10200~11000MHz	≤1.5
7	带外抑制 OOBR	DC~6000MHz	≥60dB
		7620MHz	≥50dB
		9300MHz	≥45dB
		9600MHz	≥25dB
		11600MHz	≥20dB
		11860~12680MHz	≥25dB
		13560~14360MHz	≥45dB
		15240MHz	≥50dB
		16000~20500MHz	≥40dB
8	工作温度 Operating Temperature		-45℃ ~ +85℃
9	存储温度 Storage Temperature		-45℃ ~ +85℃
10	最大输入功率 Input Power max		0.5W

二、外形尺寸 Outline Drawing（Unit：mm）

L	4.50±0.20
W	3.20±0.20
T	1.50±0.20
A	0.40±0.10
B	0.30±0.10
C	0.85±0.10
D	0.80±0.10
E	0.30±0.10



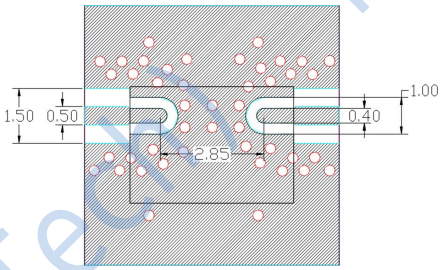
三、引脚定义 Pin Connections

输入 input Port	1
输出 output Port	2
接地 GND	3

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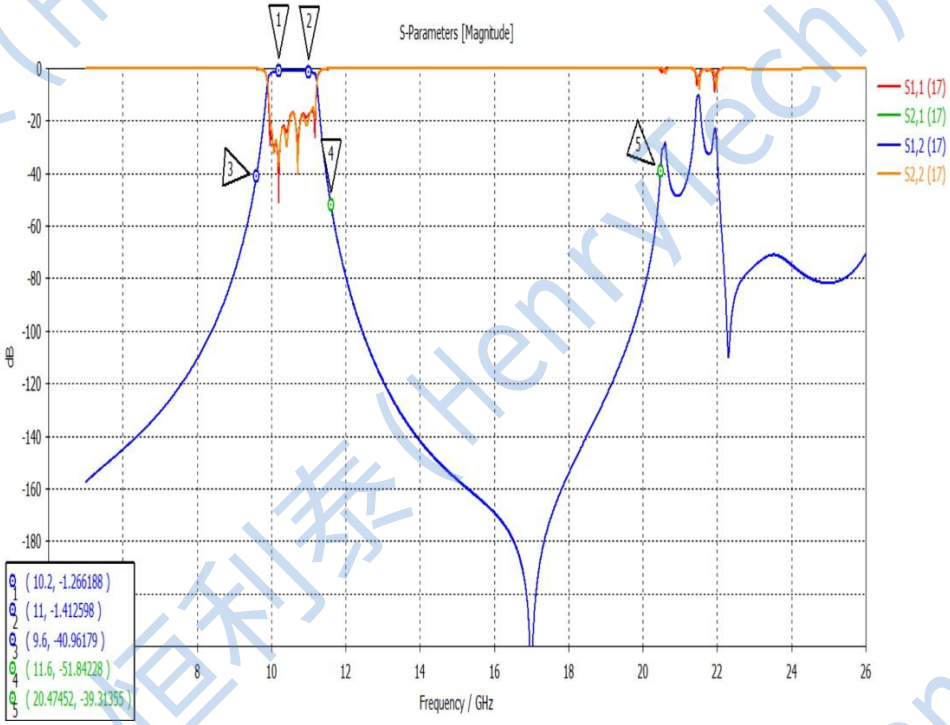
四、焊盘尺寸 PCB Land Pattern



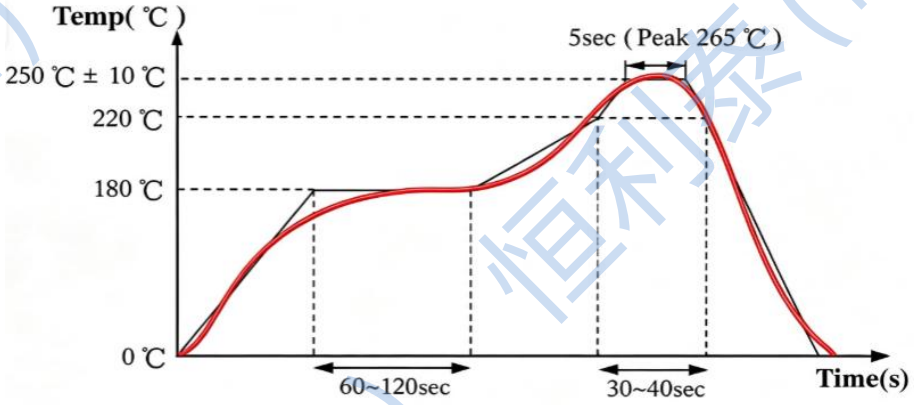
注意 Note：

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

五、测试曲线 Test Curve @ 25℃



六、回流焊温度 Reflow Soldering Temperature



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