



# 产品承认书

## SPECIFICATION FOR APPROVAL

客户名称:

CUSTOMER

我司料号:

OUR PART NO.

XR1050-101M

我司品名:

OUR PART NAME

MOLDING POWER INDUCTORS

送样日期:

DATE SAMPLES

数量:

QUANTITY

### 制造确认 MANUFACTURER APPROVE

| 拟制 DRAWN   | 审核 CHECKED | 确认 APPROVED |
|------------|------------|-------------|
| Hufangting | RaoPing    | ZhongCuilan |

### 客户确认 CUSTOMER APPROVE

客户名称 CUSTOMER NAME:

客户料号 CUSTOMER P/N:

规格型号 DESCRIPTION: 1050 100uH  $\pm 20\%$  3.2A

检查结果: ☐ 合格 ☐ 不合格

签名及盖章:

INSPECT RESULT ACCEPT REJECT

SIGNATURE AND STAMP

说明 REMARK:

如对本承认书内容有异议请提出或标记发送至我司, 本承认书在未收到异议回复时于本承认书提供一周后生效。

If you have any objection to the contents of this acknowledgment, please raise it or send the mark to us. The acknowledgment will become effective one week after the acknowledgment is provided in the absence of any objection.

东莞市祥如电子有限公司

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Email: dgxiangru@126.com

# 产品承认书

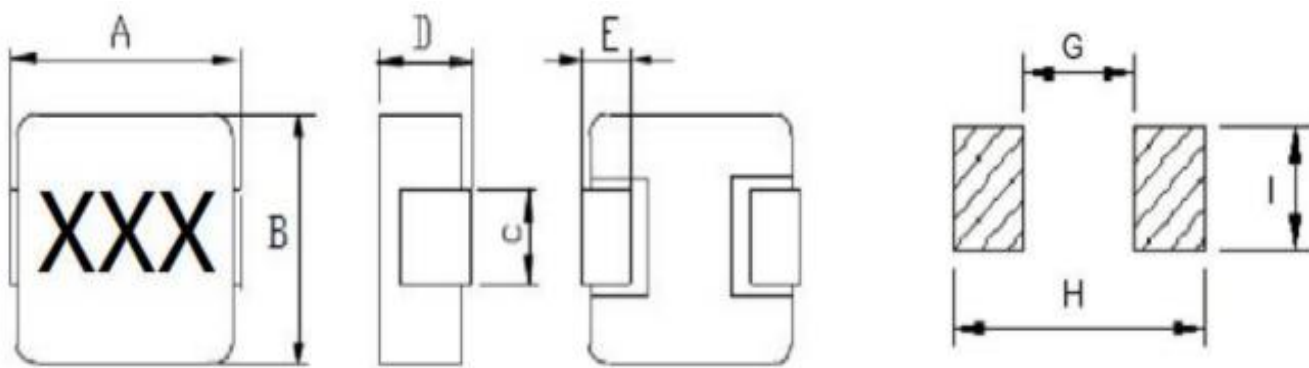
## SPECIFICATION FOR APPROVAL

|                        |             |                       |                            |
|------------------------|-------------|-----------------------|----------------------------|
| 客户名称<br>CUSTOMER       |             | 日期<br>DATE            | 2024/06/21                 |
| 客户物料编号<br>CUSTOMER P/N |             | 客户规格型号<br>DESCRIPTION | 1050 100uH ±20%<br>3.2A    |
| 我司物料编号<br>OUR PART NO  | XR1050-101M | 我司品名<br>OUR PART NAME | MOLDING POWER<br>INDUCTORS |

外观尺寸 Appearance of size

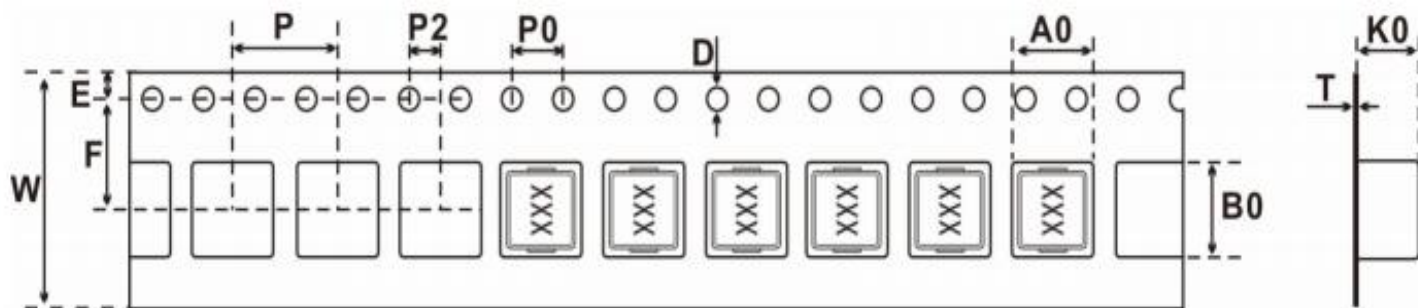
单位 Unit: mm

Recommended pad size推荐焊盘尺寸:



| A       | B        | C       | D      | E       | G   | H    | I   | lettering |
|---------|----------|---------|--------|---------|-----|------|-----|-----------|
| 11.5MAX | 10.1±0.3 | 3.0±0.3 | 5.0MAX | 2.0±0.3 | 2.9 | 11.2 | 3.5 | 101       |

• Reel and Taping Dimensions (UNIT:mm)



| Type   | W     | A0    | B0    | D    | E    | F     | K0   | P0   | P2   | P     | T     |  |
|--------|-------|-------|-------|------|------|-------|------|------|------|-------|-------|--|
|        | ±0.3  | ±0.1  | ±0.1  | ±0.1 | ±0.1 | ±0.1  | ±0.1 | ±0.1 | ±0.1 | ±0.1  | ±0.05 |  |
| XR1050 | 24.00 | 12.00 | 13.00 | 1.50 | 1.75 | 12.00 | 5.60 | 4.00 | 2.00 | 16.00 | 0.40  |  |



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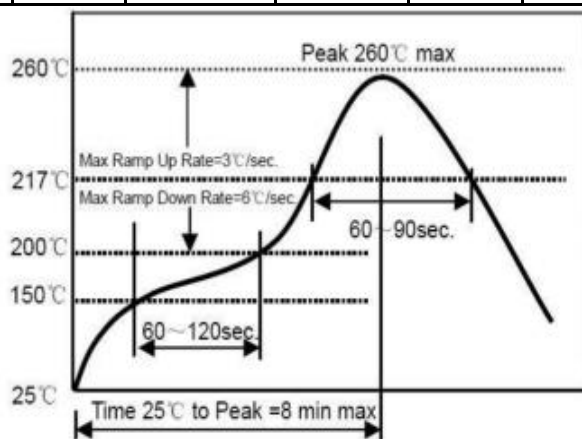
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| 客户物料编号<br>CUSTOMER P/N |             | 客户规格型号<br>DESCRIPTION | 1050 100uH $\pm 20\%$ 3.2A |
| 我司物料编号<br>OUR PART NO  | XR1050-101M | 我司品名<br>OUR PART NAME | MOLDING POWER INDUCTORS    |

### Electrical characteristics 电气特性:

| Part Number<br>型号 | Inductance (uH)<br>电感量 | 精度<br>( $\pm$ ) | 测试条件<br>Test frequency | 直流电阻<br>DCR(m $\Omega$ )Max |           | 饱和电流<br>Isat (A)<br>MAX | 额定电流<br>Irms(A)<br>MAX |
|-------------------|------------------------|-----------------|------------------------|-----------------------------|-----------|-------------------------|------------------------|
|                   |                        |                 |                        | Typical<br>实测               | MAX<br>最大 |                         |                        |
| XR1050-101M       | 100.0                  | 20%             | 100 kHz,<br>1V         | 260.00                      | 312.00    | 3.2                     | 2.0                    |

回流焊曲线 Reflow soldering profile:



### Notes 注意事项:

- All test data is referenced to 25 C ambient所有测试数据均参考25° C环境温度.
- Operating temperature range -55°C to + 125°C工作温度范围-55°C至+125°C.
- Irms (A):DC current (A) that will cause an approximate  $\Delta T$  of 40 ° C(reference ambient temperature is 25° C) Irms (A):将导致大约40° C  $\Delta T$ 的直流电流 (A) (参考环境温度为25° C).
- Isat(A):DC current (A) that will cause L0 to drop approximately 30% Isat(A):将导致L0下降约30%的直流电流 (A).
- The part temperature (ambient + temp rise) should not exceed 125 ° C under worst case operating conditions.Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application. 在最坏的操作条件下, 零件温度(环境温度+温升)不应超过125° °C。电路设计、部件放置、PWB迹线尺寸和厚度、气流和其他冷却措施都会影响零件温度。应在最终应用中验证零件温度。

|            |            |             |  |
|------------|------------|-------------|--|
| 制表 MADE    | 审核 CHECKED | 批准 APPROVED |  |
| Hufangting | RaoPing    | ZhongCuilan |  |