



产品承认书

SPECIFICATION FOR APPROVAL

客户名称:

CUSTOMER

我司料号:

OUR PART NO.

XRHC1080CM-100M

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	RaoPin	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:

XRHC1080CM 10uH $\pm 20\%$ 13.8A

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 acknowledgement, please put forward or mark it and send it to our company. This acknowledgement will take effect one week after it is provided if you do not receive an objection reply.

东莞市祥如电子有限公司

Dongguan xiangru electronics co., ltd

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Email: dgxiangru@126.com



修订记录 Revision record

[illegible]

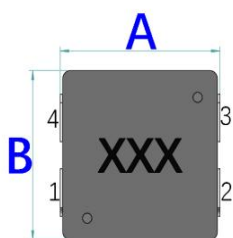
产品承认书 SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER		日期 DATE	2026/3/15
客户物料编号 CUSTOMER P/N		客户规格型号 DESCRIPTION	XRHC1080CM10uH ±20% 13.8A
我司物料编号 OUR PART NO	XRHC1080CM-100M	我司品名 OUR PART NAME	MOLDING POWER INDUCTORS

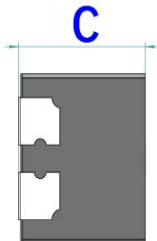
外观尺寸 Appearance of size

单位 Unit: mm

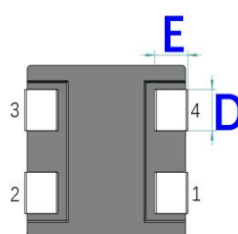
FRONT VIEW



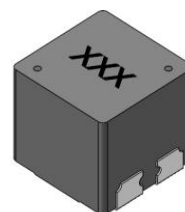
SIDE VIEW



BOTTOM VIEW



APPEARANCE DRAWING



A	11.20±0.5	C	8.0Max	E	2.00±0.5
B	10.00±0.3	D	2.50±0.2	印字	100
标识Identification					

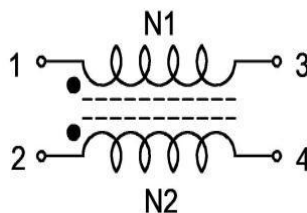
◆ Features:

High performance (Isat) realized by metal dust core.
Low profile: Thickness max. 5.4 mm
Low loss realized with low DCR
Compliance with RoHS and Halogen Free

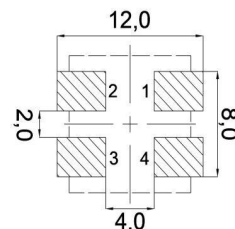
◆ Characteristics:

Operating temperature range: -40~125℃.

SCHEMATIC :



RECOMMEND PC BOARD PATTERN :



◆ Electrical Characteristics :

San Ding Part No.	Inductance (μH)L1-3=L2-4	DCR (mΩ)		Irms(A) MAX	Isat(A)MAX	Rated Voltage(V)
		TYP	MAX			
XRHC1080CM-100M	10.0±20%	40	45	7.2	13.8	60

※Irms. : Heat Rating Current DC Amps.

※Isat. : Saturation Current DC Amps.

Note 1.: Tolerance of Inductance: M=±20%.

Note 2.: All test data is referenced to 25℃ ambient.

Note 3.: Inductance is measured at 100kHz/0.25v,0A .25℃ ambient.

Note 4.: Operating Temperature Range -40℃ to +125℃.

Note 5.: The part Temperature (ambient + temp rise) should not exceed 125℃ 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.

Note 6.: Rated operating voltage (across inductor) = 60 V .

Note 7.: SEPIC operation can generate up to 2x the input or output voltage across the inductor. Please limit VIN and VOUT to 25V max. for SEPIC operation .

Note 8.: DC current (Irms) (A) that will cause an Approximate ΔT ≅ 40℃ .

Note 9.: DC current (Isat) (A) that will cause L0 to drop approximately ΔL 30% typ .

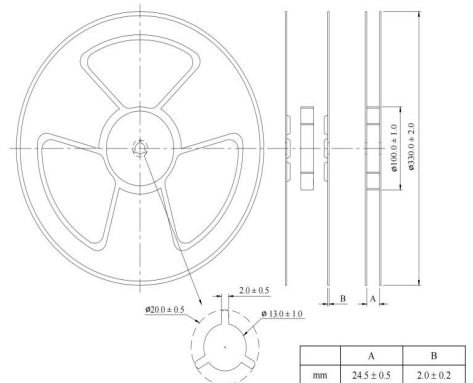
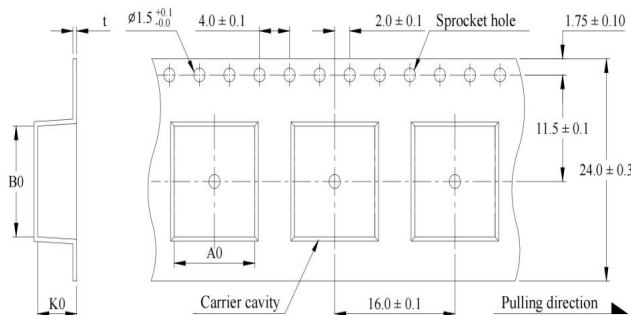
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◆ Packaging Information:

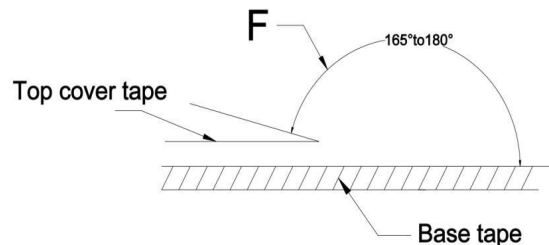
(1) Tape Packaging Dimensions (Unit: mm)

Dimensions(mm)	
A0	10.5±0.1
BO	12.0±0.1
KO	9.3±0.1
t	0.35±0.05
UNITS/REEL	300PCS

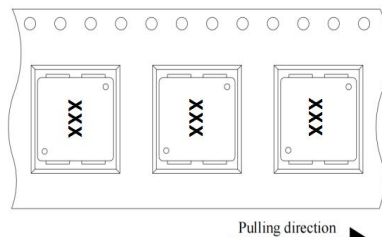


(2) Taping Drawings (UNIT:mm):

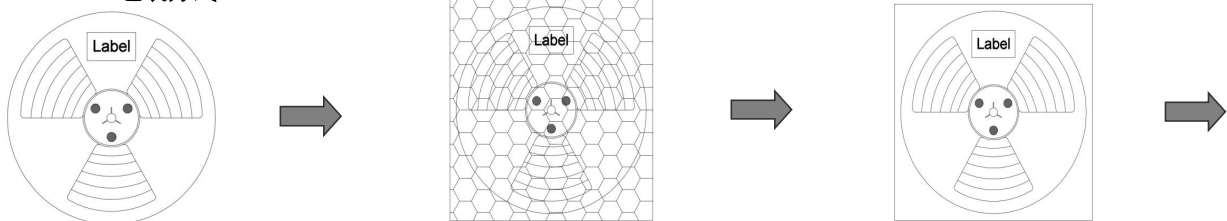
Room Temp (°C)	Room Humidity (%)	Room atm (hPa)	Tearing Speed mm/min
8 ~ 35	45 ~ 85	860 ~ 1060	300



(3) Taping Drawings (UNIT:mm):



(4) PACKING LIST / 包装方式:



- 卷盘规格: 13'(直径330mm) 数量: 300PCS/卷盘
 - 塑封袋包装 (包裹卷盘, 有利于产品保存)
 - 内盒规格: 34cm*6.5cm*33.5cm 数量: 600PCS/盒
 - 外箱规格: 36cm*35cm*29cm 数量: 1800PCS/箱
- 作业说明: 当尾数箱不足一整箱时需用内盒或填充物装满