



深圳市佑驰电子有限公司

Specification for Approval

产品名称: 电感

规格型号: HPLA-252010 系列

产品编号:

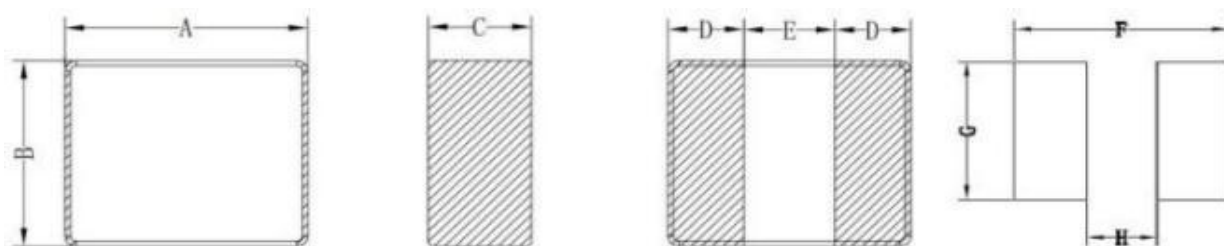
日 期: 2026-01-14

- 1、本承认书的内容更改需经过双方确认，任一方单独的修改均视为无效。
- 2、本承认书在送达客户后，请给予承认并即签回，如无签回下订单的，我司有权以此承认书标准生产，并表示购买方默认许可。

核准	审核	制作
	Aaron	Ada

CUSTOMER PART NO.	REV.	YC PART NO. HPLA-252010	ISSUE DATE JAN.14.2026
PART NAME. MOLDING INDUCTOR	YC REV. V1.0	USED ON.	

1. 外观尺寸 Dimensions and Recommend PC Board Pattern (unit: mm) :



ITEM	A	B	C	D	E	F	G	H
SPEC	2.5±0.20	2.0±0.20	1.0 Max	0.7±0.30	1.1±0.30	2.8 typ	2.3 typ	0.9 typ

Part No.	Inductance	DC Resistance		Saturation Current		Heat Rating Current	Withstanding Voltage
	1MHz/1V	Max.	Typ.	Max.	Typ.	Typ.	Typ.
Units	μH	mΩ		A		A	VDC
Symbol	L	DCR		Isat		Irms	/
HPLA-252010-R22-M	0.22±20%	18	12	8.0	8.5	7.0	20
HPLA-252010-R33-M	0.33±20%	23	18	7.3	7.6	6.8	20
HPLA-252010-R47-M	0.47±20%	29	23	5.5	6.0	5.5	20
HPLA-252010-R68-M	0.68±20%	40	32	5.0	5.5	4.8	20
HPLA-252010-1R0-M	1.00±20%	55	45	4.2	4.8	4.3	20
HPLA-252010-1R5-M	1.50±20%	75	60	3.2	3.7	3.7	20
HPLA-252010-2R2-M	2.20±20%	125	105	2.7	3.0	2.8	20
HPLA-252010-3R3-M	3.30±20%	155	135	2.3	2.8	2.3	20
HPLA-252010-4R7-M	4.70±20%	250	220	1.6	1.8	1.6	20
HPLA-252010-100-M	10.0±20%	500	453	1.1	1.5	1.2	20

Note :

- (1) All test data is referenced to 25°C ambient.
- (2) When applying the heat rating current DC (I_{dc}) to coil, it will cause an approximate ΔT of 40°C.
- (3) When applying the saturation current DC (I_{sat}) to coil, it will cause the initial inductance value to drop 30% Typical.
- (4) Operating Temperature Range -40°C to +125°C.
- (5) Rated current: I_{sat} (Max.) or I_{rms} (Typ.), whichever is smaller.
- (6) Saturation Current: Typ. Value, DC current at which the inductance drops approximately 30% from its value without current;
- (7) Heat Rating Current: DC current that causes an approximate ΔT of 40°C from 20°C ambient.

3. 品名规则 Part Numbering:

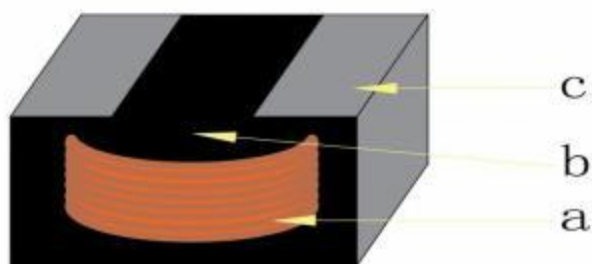
HPLA	252010	1R0	M
(1)	(2)	(3)	(4)

(1) Series: HPLA=Surface Mounting Power Chokes (Molded Inductor)

(2) Dimension: 2520=2520 Series 10=Product Height 1.0mm

(3) Inductance: R47=0.47 μ H 4R7=4.7 μ H 100=10 μ H

(4) Inductance Tolerance: J=±5% K=±10% L=±15% M=±20% N=±30%

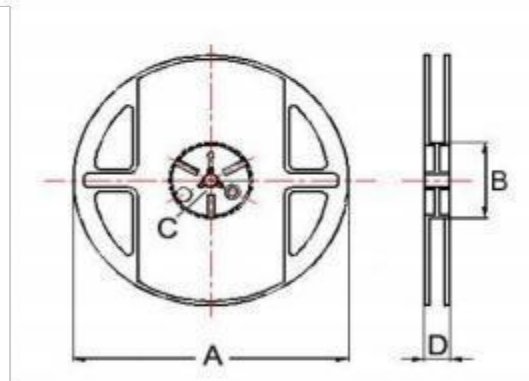
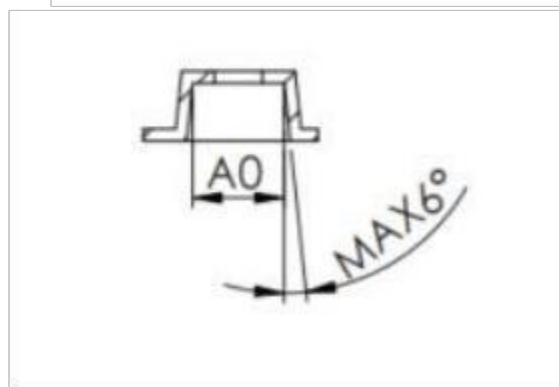
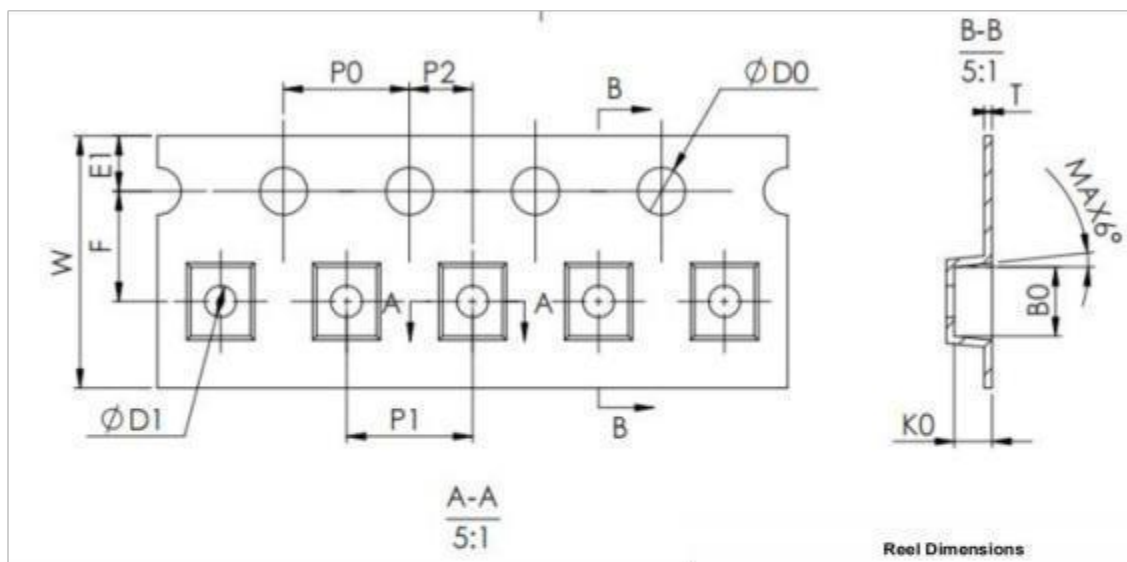
4. 材料清单 Material List

No.	项 目ITEM	材 料 Materials
a	线 Wire	铜 线 Copper wire
b	磁 芯 Core	金 属合 金 Metal alloy
c	金 属化 电 极 Terminal	锡 Sn

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5. 储存条件/注意的事项Storage conditions/Matters need attention 1、贮存温度、湿度条件： Storage temperature and humidity conditions; a、产品包装与载体：温度-10℃~+40℃，相对湿度低于60% Product packing with carrier tape:-10℃~40℃ and less than 60% RH; b、单独的产品：温度-20℃~+60℃，相对湿度低于60% Product alone:-10℃~60℃ and less than 60% RH; c、产品在6个月内使用(注意：产品一经拆开包装, 须尽快使用) Products should be used within 6 months.(Note that the product should be used as soon as possible once it is folded); d、包装材料应保存在空气中不存在氯或硫的地方； The packaging material should kept where no chlorine or sulfur exists in the air; e、不要用手指触摸电极(焊接端子)，因为这可能导致焊接能力的下降； Do not touch the electrodes (soldering terminals) with fingers as this may lead to deterioration of solder ability; f、个别零件强烈建议使用镊子或真空取料机，散装搬运应确保尽量减少磨损和机械冲击； The use of tweezers or vacuum pick-ups is strongly recommended for individual components. Bulk handling should ensure that abrasion and mechanical shock are minimized;			

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6. 包装规范: Packaging Specifications



Tape Dimensions (mm)							Reel Dimensions (mm)				PCS/REEL
A0	B0	K0	T	W	P0	D0	A	B	C	D	
2.25±0.1	2.8±0.1	1.1±0.05	0.25±0.02	8±0.1	4±0.1	1.5±0.1	178	60	12	1.5	3000