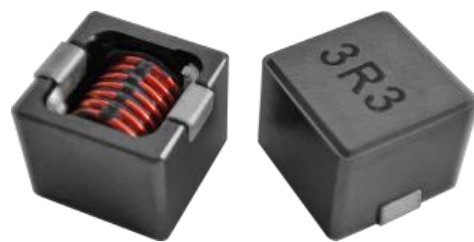
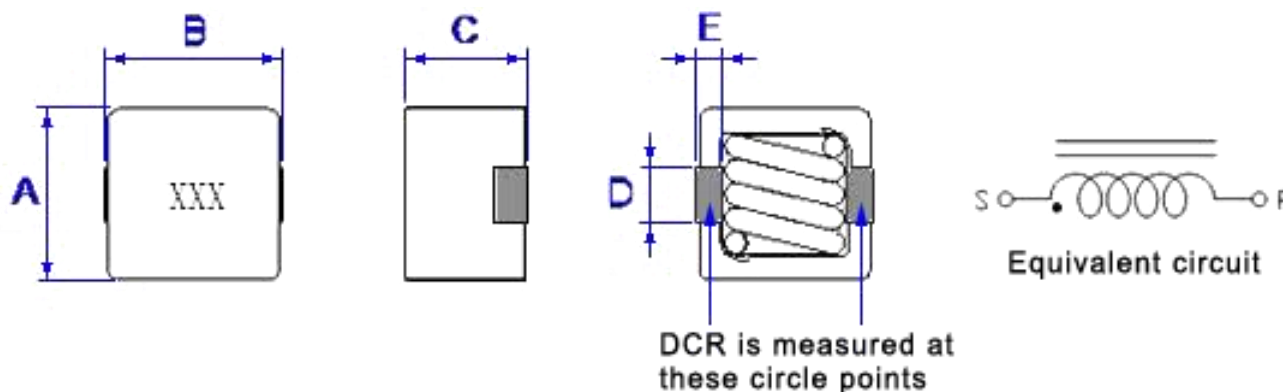


## 1、产品概要 / Outline

- ◆ 大电流低直流电阻
- ◆ 温升电流及饱和电流受环境条件影响极小
- ◆ 工作温度：-40°C ~ +125°C
- ◆ 适用于汽车、军工、医疗、航空航天等高可靠性的要求行业
- ◆ 广泛应用于汽车电子、车灯、高速 PC 显卡、医疗仪器、航空仪表、人工智能等高性能设备领域



## 2、外观尺寸/ Appearance size 单位:mm



A	B	C	D	E
11.4±0.4	12.1±0.4	9.5±0.5	3.5±0.2	2.0±0.2

## 3、电气特性/Electrical characteristics

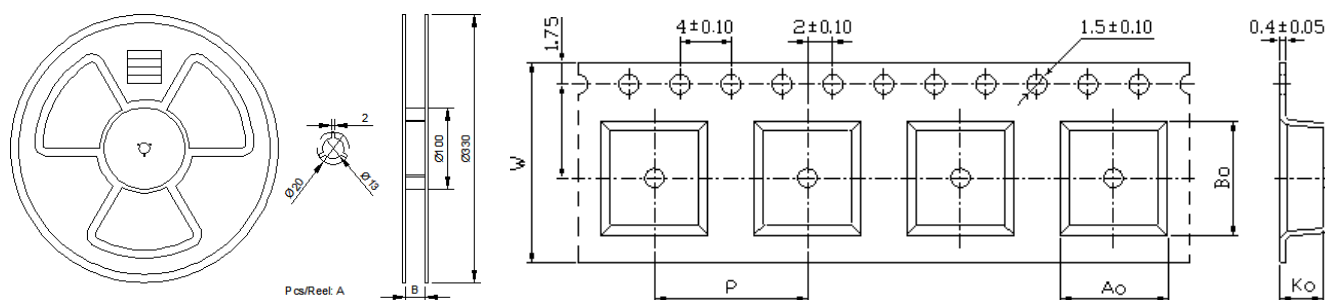
型号	L(0A)	DCR(mΩ)Max	I <sub>rms</sub> (Typ)	I <sub>sat</sub> (Typ)
ACLS1210MN-R22M	0.22	1.1	27	60
ACLS1210MN-R33M	0.33	1.1	27	55
ACLS1210MN-R47M	0.47	1.35	26	48
ACLS1210MN-R68M	0.68	1.35	26	38
ACLS1210MN-R82M	0.82	1.85	24	36
ACLS1210MN-1R0M	1	1.85	24	32
ACLS1210MN-1R5M	1.5	2.95	19.5	27
ACLS1210MN-2R2M	2.2	3.9	18	23
ACLS1210MN-3R3M	3.3	5.2	17	17
ACLS1210MN-4R7M	4.7	7.25	15.5	15.5
ACLS1210MN-6R8M	6.8	10.15	13	13
ACLS1210MN-8R2M	8.2	10.6	13	12
ACLS1210MN-100M	10	15.35	9	10

### 注释

- ◆ K 表示电感值的公差为±10%，M 表示电感值的公差为±20%
- ◆ K said inductance tolerance is ±10%, M said inductance tolerance is ± 20%

- ◆ 所有数据基于环境温度 25°C条件下测试
- ◆ All data is based on testing at an ambient temperature of 25 °C
- ◆ 测试条件：100KHz/1.0V
- ◆ 本页面未能录入全部或最新的数据，请您在订购前向本公司咨询精准参数及样品。
- ◆ We were unable to input all or the latest data on this page. Please consult our company for accurate parameters and samples before placing an order.

## 4 包装规格/ Packaging specifications 单位/mm



型号	A(Pcs/Reel)	B	W	P	Ao	Bo	Ko
ACLS0807	500	24.5±0.5	24	16	8.0±0.1	9.0±0.1	7.0±0.15
ACLS1009	400	24.5±0.5	24	16	10.4±0.2	11.3±0.2	10.0TYP
ACLS1210	300	24.5±0.5	24	20	11.8±0.1	12.5±0.1	10.5TYP

## 5、焊接/ welding

### • 焊接原材料 Soldering Materials

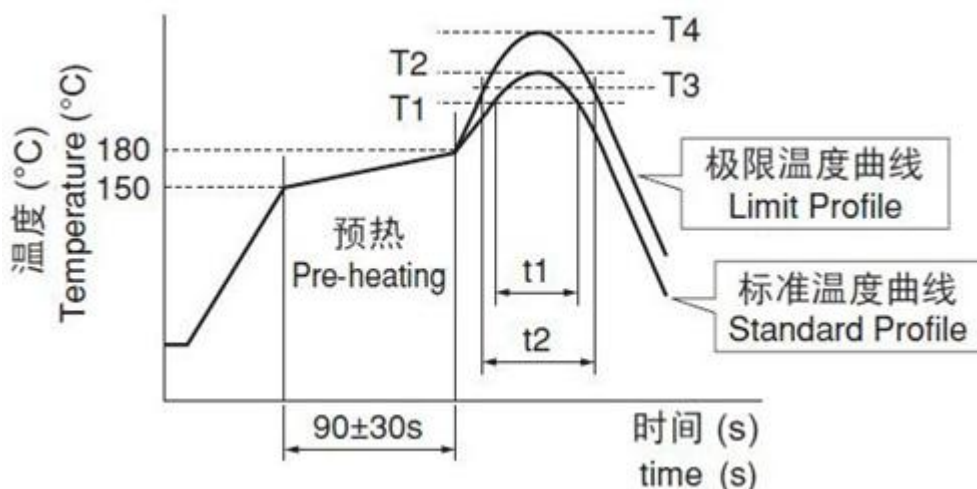
(a) 焊料：推荐使用 96.5Sn/3.0Ag/0.5Cu 焊料，或者采用 Sn 含量不超过 97%的锡合金焊料。Solder: It is recommended to use 96.5Sn/3.0Ag/0.5Cu solder, or use Tin alloy solder with a Tin content not exceeding 97%.

(b) 助焊剂：推荐使用松香类助焊剂，请勿使用强酸性助焊剂（含氯量超过 0.2wt %），并且请勿使用水溶性助焊剂。

Flux: It is recommended to use rosin-based flux. Acidic flux (with chlorine content exceeding 0.2wt %) and water-soluble flux are forbidden.

### • 焊接温度及要求 Soldering Temperature & Requirements

回流焊温度曲线 Reflow Soldering Temperature Profile



## 回流焊要求 Reflow Soldering Requirements

标准温度曲线Standard Profile				极限温度曲线Limit Profile			
加热Heating		峰值温度 Peak Temp. ( T2 )	回流焊 次Cycle Of Reflow	加热Heating		峰值温度 Peak Temp. ( T4 )	回流焊次数 Cycle Of Reflow
加热 Temp. ( T1 )	时间 Ti me ( t1 )			温度 Temp. ( T3 )	时间 Time ( t2 )		
220°C	30~60s	245±3°C	≤2	230°C	≤60s	260°C/10s	1

## 6、其他

- ◆ 本产品为无铅，请采用无铅环境作业
- ◆ Other: Our company's products are lead-free, please operate in a lead-free environment
- ◆ 由于页面限制，更多资料请联系我司
- ◆ Due to page limitations, please contact our company for more information
- ◆ 在过载电流等不正常条件下，本电感产品无自我保护功能。
- ◆ Under abnormal conditions such as overload current, this inductor product has no self-protection function.