

承认要求 ☒ 新 ☐ 工程更换

样品编号:

# 规格承认书

客户名称:

产品名称: INDUCTOR

KLS 料号: L-KLS18-CH1216U-101K-A

客户料号:

日期: 2023-02-23

供客户批准:

| 批准 | 验证 | 审核 | 检查 |
|----|----|----|----|
|    |    |    |    |

客户承认专用章:

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NINGBO KLS ELECTRONIC CO., LTD.

|     |    |     |
|-----|----|-----|
| 制定  | 审核 | 批准  |
| 陈剑锋 |    | 伍羿行 |

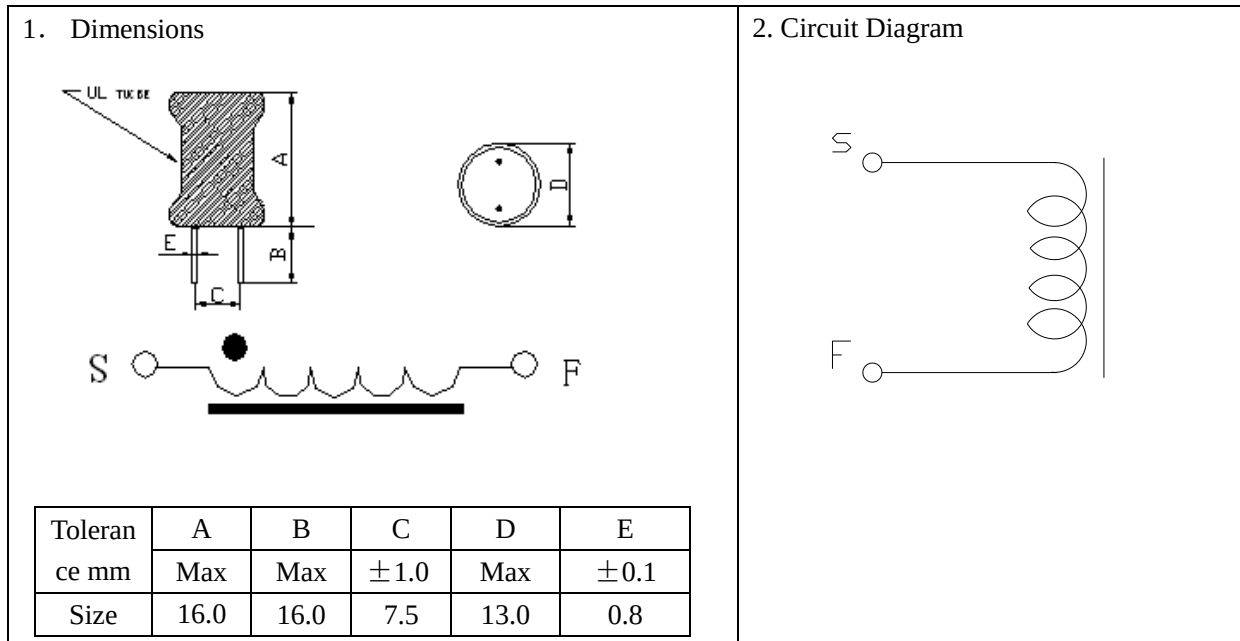
Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG 315807

<http://www.klsele.com> E-mail:sales@klsele.com

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## 1. Dimensions and Circuit Diagram



## 2. Electrical Characteristics

| No. | Item               | Test Condition | Parameter               | Reference Value  | Test Equipment                                        |
|-----|--------------------|----------------|-------------------------|------------------|-------------------------------------------------------|
| 1   | Inductance         | 1KHz/0.25V     | 100uH $\pm$ 10%         | 99.94uH          | LCR Tester                                            |
| 2   | Saturation Current | 1KHz/0.25V     | L+6.0A:L DROP<br>20%Max | 91.26uH          | Program controlled constant current source LCR Tester |
| 3   | DCR                | 1KHz/0.25V     | 350m $\Omega$ Max       | 258.10m $\Omega$ | LCR Tester                                            |

## 3. Main Material

| No. | Item          | Specifications                        | Supplier                                       |
|-----|---------------|---------------------------------------|------------------------------------------------|
| 1   | Magnetic Core | R4N<br>DR2W11*13RF<br>B=8.1 F=9 P=7.5 | BO LUO XIAN HUI CI MAGNETISM ELECTRON CO., LTD |
| 2   | Copper Wire   | 0.37mm                                | Dongguan yida industrial co. LTD               |
| 3   | Tin Rod       | 300*2.0*1.8                           | Huizhou changsheng technology co., LTD         |

|     |     |     |  |     |     |
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## 4. Test Data

Electrical characteristics and dimensional data: ( uH/mm )

Temperature and humidity requirements: (Temperature: 25℃) Humidity: (60%)

| Item      | Inductance | L+6.0A               | DCR     | A      | D      |  |
|-----------|------------|----------------------|---------|--------|--------|--|
| Parameter | 100uH      | 100uH                | 350 mΩ  | 16. 0  | 13. 0  |  |
| Tolerance | ± 10%      | $\Delta L \leq 20\%$ | Max     | Max    | Max    |  |
| 1         | 99. 94     | 91.26                | 258. 10 | 15. 38 | 11. 68 |  |
| 2         | 99. 27     | 91. 78               | 256. 50 | 15. 27 | 11. 70 |  |
| 3         | 99. 30     | 91. 25               | 255. 20 | 15. 35 | 11. 65 |  |
| 4         | 100. 33    | 92. 10               | 255. 30 | 15. 20 | 11. 62 |  |
| 5         | 99. 54     | 91. 37               | 254. 80 | 15. 24 | 11. 72 |  |
| 6         | 99. 26     | 91.24                | 255. 70 | 15. 30 | 11. 75 |  |
| 7         | 99. 46     | 91. 36               | 256. 20 | 15. 29 | 11. 67 |  |
| 8         | 99. 48     | 91. 43               | 257. 00 | 15. 40 | 11. 71 |  |
| 9         | 99. 82     | 91. 57               | 255. 60 | 15. 32 | 11. 73 |  |
| 10        | 99. 75     | 91. 50               | 256. 30 | 15. 28 | 11. 70 |  |
| Judge     | ok         | ok                   | ok      | ok     | ok     |  |

|     |     |     |  |     |     |
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