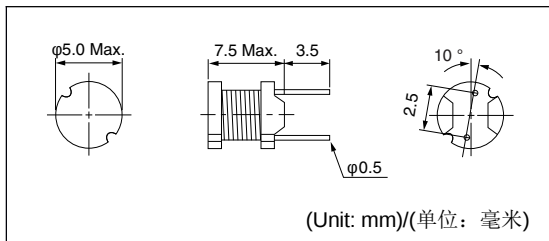


# C2LA

Inductance Range / 电感值范围 : 1.2~1000μH

## DIMENSIONS / 尺寸



## FEATURES / 特点

- Ideal as a choke coil for noise filtering and DC-DC Converter application.
- RoHS compliant.
- 是为噪音过滤以及DC/DC转换器使用的扼流线圈的理想选择。
- 符合RoHS指令。

## SELECTION GUIDE FOR STANDARD COILS / 标准线圈选择指南

### TYPE C2LA / C2LA 型

| 东光零件号码           | 电感值 <sup>(1)</sup>             | 公差            | 最大直流电阻 <sup>(3)</sup>                  | 最大额定直流电流 <sup>(2)</sup>                  |
|------------------|--------------------------------|---------------|----------------------------------------|------------------------------------------|
| TOKO Part Number | Inductance <sup>(1)</sup> (μH) | Tolerance (%) | DC Resistance <sup>(3)</sup> (mΩ) Max. | Rated DC Current <sup>(2)</sup> (A) Max. |
| #C2LA-1R2M       | 1.2                            | ± 20          | 13                                     | 4.32                                     |
| #C2LA-1R5M       | 1.5                            | ± 20          | 15                                     | 4.08                                     |
| #C2LA-2R2M       | 2.2                            | ± 20          | 18                                     | 3.20                                     |
| #C2LA-2R7M       | 2.7                            | ± 20          | 20                                     | 3.00                                     |
| #C2LA-3R3M       | 3.3                            | ± 20          | 22                                     | 2.70                                     |
| #C2LA-3R9M       | 3.9                            | ± 20          | 25                                     | 2.48                                     |
| #C2LA-4R7M       | 4.7                            | ± 20          | 28                                     | 2.20                                     |
| #C2LA-5R6M       | 5.6                            | ± 20          | 34                                     | 2.00                                     |
| #C2LA-6R8M       | 6.8                            | ± 20          | 43                                     | 1.75                                     |
| #C2LA-8R2M       | 8.2                            | ± 20          | 54.5                                   | 1.68                                     |
| #C2LA-100K       | 10.0                           | ± 10          | 67.5                                   | 1.52                                     |
| #C2LA-120K       | 12.0                           | ± 10          | 75.5                                   | 1.44                                     |
| #C2LA-150K       | 15.0                           | ± 10          | 84.5                                   | 1.28                                     |
| #C2LA-180K       | 18.0                           | ± 10          | 97.5                                   | 1.12                                     |
| #C2LA-220K       | 22.0                           | ± 10          | 130                                    | 1.04                                     |
| #C2LA-270K       | 27.0                           | ± 10          | 160                                    | 0.88                                     |
| #C2LA-330K       | 33.0                           | ± 10          | 180                                    | 0.88                                     |
| #C2LA-390K       | 39.0                           | ± 10          | 200                                    | 0.80                                     |
| #C2LA-470K       | 47.0                           | ± 10          | 220                                    | 0.72                                     |
| #C2LA-560K       | 56.0                           | ± 10          | 280                                    | 0.63                                     |
| #C2LA-680K       | 68.0                           | ± 10          | 350                                    | 0.58                                     |
| #C2LA-820K       | 82.0                           | ± 10          | 460                                    | 0.54                                     |
| #C2LA-101K       | 100.0                          | ± 10          | 530                                    | 0.48                                     |
| #C2LA-121K       | 120.0                          | ± 10          | 590                                    | 0.44                                     |
| #C2LA-151K       | 150.0                          | ± 10          | 800                                    | 0.40                                     |
| #C2LA-181K       | 180.0                          | ± 10          | 900                                    | 0.37                                     |
| #C2LA-221K       | 220.0                          | ± 10          | 1050                                   | 0.32                                     |
| #C2LA-271K       | 270.0                          | ± 10          | 1320                                   | 0.28                                     |
| #C2LA-331K       | 330.0                          | ± 10          | 1680                                   | 0.26                                     |
| #C2LA-391K       | 390.0                          | ± 10          | 2050                                   | 0.24                                     |
| #C2LA-471K       | 470.0                          | ± 10          | 2400                                   | 0.21                                     |
| #C2LA-561K       | 560.0                          | ± 10          | 2650                                   | 0.19                                     |
| #C2LA-681K       | 680.0                          | ± 10          | 3250                                   | 0.18                                     |
| #C2LA-821K       | 820.0                          | ± 10          | 4300                                   | 0.16                                     |
| #C2LA-102K       | 1000.0                         | ± 10          | 5400                                   | 0.14                                     |

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.

Test frequency at 1.0kHz.

(2) Rated DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 25°C)

(3) DC resistance is measured with a digital multimeter TR6871 (Advantest) or equivalent.

(1) 使用LCR仪表4284A（Agilent技术）或者功能相同的仪器在测试频率1.0kHz下测试电感值。

(2) 额定直流电流是引起电感值从最初值降低10%，或者线圈温度升高40°C，两者中较小的一个。（参考周围环境温度25°C）

(3) 通过数码万用表TR6871（Advantest）或者相类似的工具测试直流电阻。