

## 7E04LA



### ■ Features

- SMD magnetic shielded type of power inductor
- Suitable for power supply choke coil
- Available in 3 types of electronic characteristics
- Low DC Resistance

Magnetic structure :

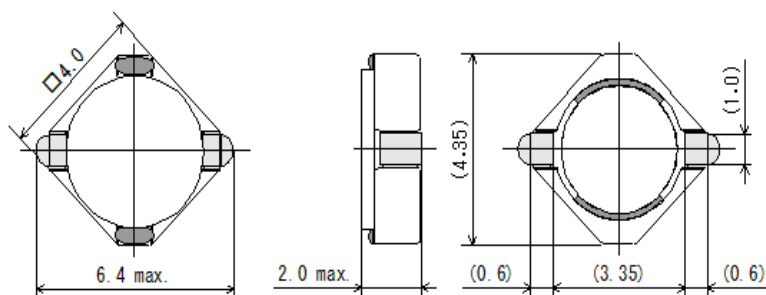


Weight : 0.09 g

### ■ Applications

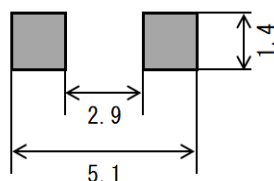
- Audio Visual/Camera, Portable Audio
- Computer & Peripheral Device/Computer, Printer(MFP)
- Others/FA, Medical, Energy, Power Supply, Transceivers

### ■ Dimensions



(Unit : mm)

### ■ Recommended Land Pattern



(Unit : mm)



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## ■ Specifications

| SAGAMI Part No. | Inductance<br>( $\mu$ H) | DCR<br>( $\Omega$ )<br>$\pm 30\%$ | DC Saturation<br>Allowable Current<br>(A) | Temperature Rise<br>Allowable Current<br>(A) |
|-----------------|--------------------------|-----------------------------------|-------------------------------------------|----------------------------------------------|
| 7E04LA-1R5N     | 1.5 $\pm 30\%$           | 0.0150                            | 1.40                                      | 3.10                                         |
| 7E04LA-1R8N     | 1.8 $\pm 30\%$           | 0.0200                            | 1.20                                      | 2.70                                         |
| 7E04LA-2R4N     | 2.4 $\pm 30\%$           | 0.0260                            | 1.00                                      | 2.40                                         |
| 7E04LA-3R6N     | 3.6 $\pm 30\%$           | 0.0370                            | 0.900                                     | 2.10                                         |
| 7E04LA-4R3N     | 4.3 $\pm 30\%$           | 0.0470                            | 0.800                                     | 1.80                                         |
| 7E04LA-5R1N     | 5.1 $\pm 30\%$           | 0.0520                            | 0.730                                     | 1.70                                         |
| 7E04LA-6R8N     | 6.8 $\pm 30\%$           | 0.0720                            | 0.650                                     | 1.50                                         |
| 7E04LA-7R5N     | 7.5 $\pm 30\%$           | 0.0770                            | 0.600                                     | 1.40                                         |
| 7E04LA-100M     | 10 $\pm 20\%$            | 0.0950                            | 0.550                                     | 1.20                                         |
| 7E04LA-120M     | 12 $\pm 20\%$            | 0.120                             | 0.480                                     | 1.10                                         |
| 7E04LA-150M     | 15 $\pm 20\%$            | 0.150                             | 0.440                                     | 1.00                                         |
| 7E04LA-180M     | 18 $\pm 20\%$            | 0.190                             | 0.400                                     | 0.900                                        |
| 7E04LA-220M     | 22 $\pm 20\%$            | 0.210                             | 0.370                                     | 0.830                                        |
| 7E04LA-270M     | 27 $\pm 20\%$            | 0.270                             | 0.330                                     | 0.720                                        |
| 7E04LA-330M     | 33 $\pm 20\%$            | 0.340                             | 0.300                                     | 0.660                                        |
| 7E04LA-390M     | 39 $\pm 20\%$            | 0.380                             | 0.270                                     | 0.620                                        |
| 7E04LA-470M     | 47 $\pm 20\%$            | 0.480                             | 0.250                                     | 0.530                                        |
| 7E04LA-560M     | 56 $\pm 20\%$            | 0.560                             | 0.220                                     | 0.500                                        |

Inductance Measuring Condition: 100kHz, 1V(<10 $\mu$ H), 1kHz, 1V( $\geq 10\mu$ H)

DC saturation allowable current: The current value which inductance decrease within 35% from the initial value

Temperature rise allowable current: The rise in temperature of core surface is 25°C



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