

Power Inductors / Wire Wound type

**Discontinued**

Series: **R**

Type: **ELL5PR**



■ Features

- Magnetic shielded structure
- Low DC resistance and large current capability
- Adopted a rectangular core
- RoHS compliant

■ Recommended Applications

- DC-DC converter circuitry for computer peripherals and cellular phones.
- Chopper circuit decoupling chokes for DC-DC converter circuitry

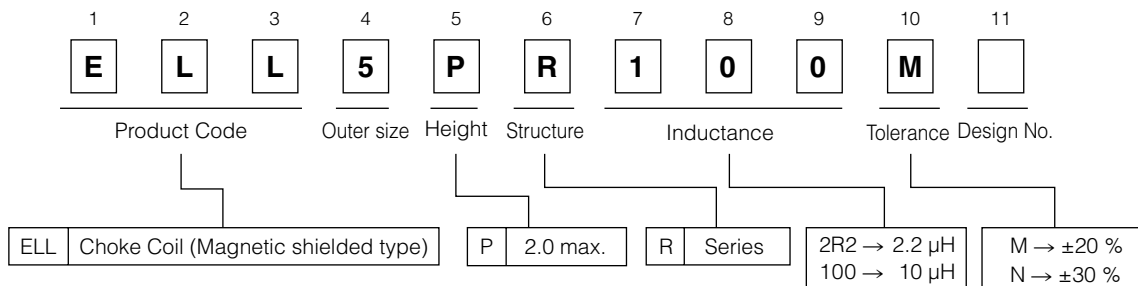
■ Standard Packing Quantity

- 2000 pcs./Reel

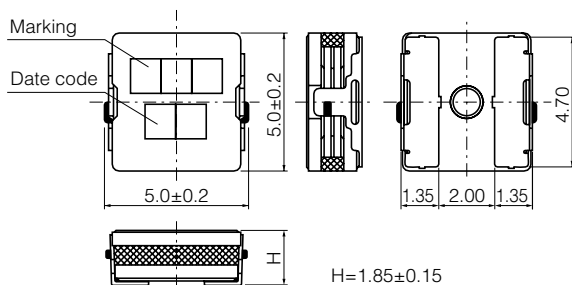
■ Soldering Conditions and Safety Precautions

Please see Data Files.

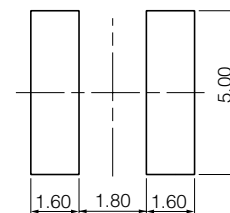
■ Explanation of Part Numbers



■ Dimensions in mm (not to scale)



■ Recommended Land Pattern in mm (not to scale)



Standard Parts

| Part Number | Inductance<br>(100 kHz) |      | R <sub>DC</sub><br>(at 20 °C) |      | Saturation<br>Rated Current <sup>*1</sup><br>(mA max.) | Temperature<br>Rise Current <sup>*2</sup><br>(mA max.) | Marking |
|-------------|-------------------------|------|-------------------------------|------|--|--|---------|
|             | (μH)                    | Tol. | (mΩ)                          | Tol. |  |  |         |
| ELL5PRR47N  | 0.47                    | ±30% | 12                            | ±20% | 5500   | 3900   | R47     |
| ELL5PR1R0N  | 1.0                     |      | 21                            |      | 4500   | 3000   | 1R0     |
| ELL5PR1R2N  | 1.2                     |      | 21                            |      | 4200   | 3000   | 1R2     |
| ELL5PR1R5N  | 1.5                     |      | 25                            |      | 4000   | 2850   | 1R5     |
| ELL5PR2R2N  | 2.2                     |      | 32                            |      | 3200   | 2400   | 2R2     |
| ELL5PR3R3N  | 3.3                     |      | 37                            |      | 2600   | 2300   | 3R3     |
| ELL5PR4R7N  | 4.7                     |      | 56                            |      | 2200   | 1800   | 4R7     |
| ELL5PR6R8N  | 6.8                     |      | 85                            |      | 1700   | 1400   | 6R8     |
| ELL5PR100M  | 10.0                    | ±20% | 150                           |      | 1400   | 1060   | 100     |
| ELL5PR150M  | 15.0                    |      | 190                           |      | 1200   | 1000   | 150     |
| ELL5PR220M  | 22.0                    |      | 290                           |      | 950  | 800  | 220     |

\*1 Saturation Rated Current : This DC current which causes a 30 % inductance reduction from its nominal value.

\*2 Temperature Rise Current : This indicates the value of current when temperature rise dt/t= 40 °C (at 20 °C).

Embossed Carrier Tape Dimensions in mm (not to scale)

