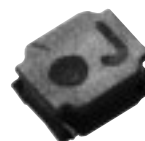


### SMD Choke Coils

Series: **J**

Type: **ELLYFJ**



Type ELLYFJ

#### ■ Features

- Small and low profile (2.5×2.0×H1.2 mm)
- The magnetic shield effect is provided by adhesive with magnetic materials structure
- Low DC resistance and large current capability
- Shock resistant
- RoHS compliant

#### ■ Recommended Applications

- DC/DC converter for smart phone , mobile phone, DSC, HDD

#### ■ Standard Packing Quantity

- 3000 pcs./Reel

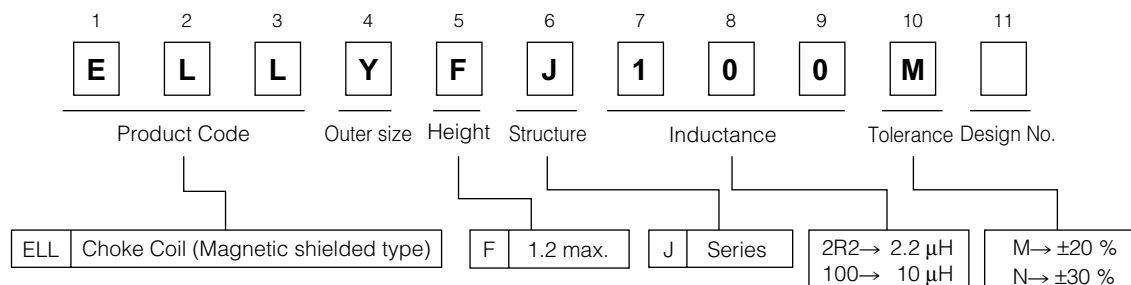
#### ■ Soldering Conditions

Please see Page 169

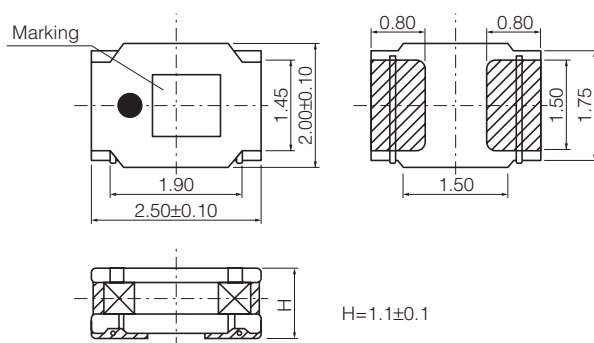
#### ■ Safety Precautions

Please see Page 170

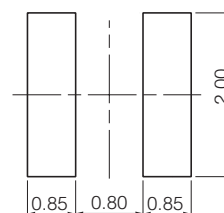
#### ■ Explanation of Part Numbers



#### ■ 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. |                                                        |                                                        |         |
| ELLYFJR47N  | 0.47                    | ±30% | 48                            | ±20% | 2500                                                   | 2150                                                   | 5       |
| ELLYFJ1R0N  | 1.0                     |      | 73                            |      | 2200                                                   | 1750                                                   | A       |
| ELLYFJ1R5N  | 1.5                     |      | 105                           |      | 1750                                                   | 1450                                                   | C       |
| ELLYFJ2R2M  | 2.2                     | ±20% | 130                           |      | 1700                                                   | 1300                                                   | D       |
| ELLYFJ3R3M  | 3.3                     |      | 230                           |      | 1200                                                   | 980                                                    | E       |
| ELLYFJ4R7M  | 4.7                     |      | 330                           |      | 1080                                                   | 820                                                    | H       |
| ELLYFJ5R6M  | 5.6                     |      | 350                           |      | 1000                                                   | 800                                                    | J       |
| ELLYFJ6R8M  | 6.8                     |      | 490                           |      | 850                                                    | 670                                                    | K       |
| ELLYFJ100M  | 10.0                    |      | 620                           |      | 730                                                    | 600                                                    | M       |
| ELLYFJ150M  | 15.0                    |      | 1000                          |      | 590                                                    | 470                                                    | O       |
| ELLYFJ220M  | 22.0                    |      | 1650                          |      | 400                                                    | 370                                                    | R       |

\*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)

