

# UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

## FEATURES

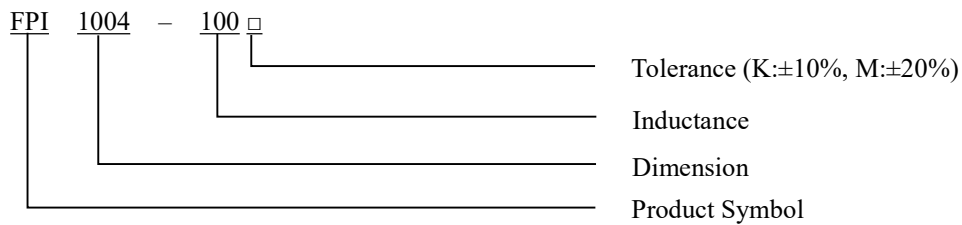
- ◆ Silver Plated Type
- ◆ High power and high saturation
- ◆ Ideal inductors for DC/DC conversion



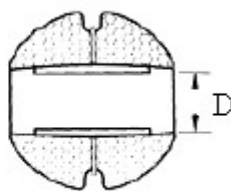
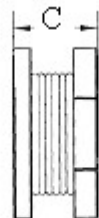
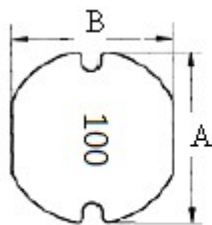
## APPLICATIONS

- ◆ Smart home devices.
- ◆ DC/DC converter devices.
- ◆ Various categories of consumer electronics.

## ORDERING CODE



## DIMENSIONS (UNIT: mm)



|   |                |     |
|---|----------------|-----|
| A | $10.0 \pm 0.3$ | m/m |
| B | $9.0 \pm 0.3$  | m/m |
| C | $4.0 \pm 0.3$  | m/m |
| D | 3.1 (REF)      | m/m |



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## UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

### ELECTRICAL CHARACTERISTICS FOR FPI1004

| Part No.      | Inductance (uH) | RDC ( $\Omega$ ) | IDC (A) |
|---------------|-----------------|------------------|---------|
| FPI1004-1R2 □ | 1.2             | 0.022            | 9.00    |
| FPI1004-6R8 □ | 6.8             | 0.040            | 5.00    |
| FPI1004-100 □ | 10              | 0.065            | 3.80    |
| FPI1004-150 □ | 15              | 0.080            | 3.20    |
| FPI1004-180 □ | 18              | 0.090            | 3.10    |
| FPI1004-220 □ | 22              | 0.110            | 3.00    |
| FPI1004-270 □ | 27              | 0.120            | 2.50    |
| FPI1004-330 □ | 33              | 0.140            | 2.10    |
| FPI1004-390 □ | 39              | 0.150            | 2.00    |
| FPI1004-470 □ | 47              | 0.170            | 1.80    |
| FPI1004-680 □ | 68              | 0.260            | 1.50    |
| FPI1004-101 □ | 100             | 0.320            | 1.40    |
| FPI1004-221 □ | 220             | 0.770            | 0.80    |
| FPI1004-331 □ | 330             | 1.150            | 0.95    |
| FPI1004-471 □ | 470             | 1.600            | 0.55    |
| FPI1004-561 □ | 560             | 1.700            | 0.50    |
| FPI1004-102 □ | 1000            | 3.500            | 0.45    |

\* 100uH 以上 Test Frequency : 1KHZ/1V

\* 100uH 以下 Test Frequency : 2.52MHZ/1V



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