

## UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

### FEATURES

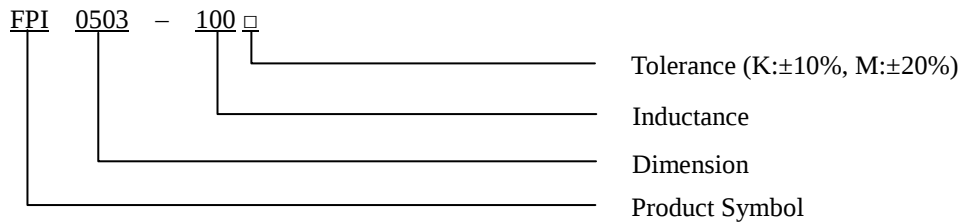
- ◆ Silver Plated Type
- ◆ High power and high saturation
- ◆ Ideal inductors for DC/DC conversion



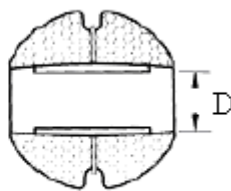
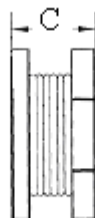
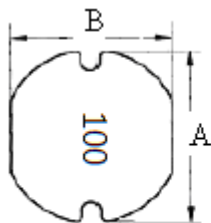
### APPLICATIONS

- ◆ Power supply for VTRs.
- ◆ Portable communication equipment.
- ◆ Notebook PCs.
- ◆ LCD televisions.
- ◆ DC/DC converters, etc.

### ORDERING CODE



### DIMENSIONS (UNIT: mm)



|   |               |     |
|---|---------------|-----|
| A | $5.8 \pm 0.3$ | m/m |
| B | $5.2 \pm 0.3$ | m/m |
| C | $3.0 \pm 0.5$ | m/m |
| D | 1.3 (REF)     | m/m |

## UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

### ELECTRICAL CHARACTERISTICS FOR FPI0503

| Part No.      | Inductance (uH) | RDC ( $\Omega$ ) | IDC (A) |
|---------------|-----------------|------------------|---------|
| FPI0503-R47 □ | 0.47            | 0.035            | 9.00    |
| FPI0503-2R2 □ | 2.20            | 0.040            | 5.10    |
| FPI0503-2R7 □ | 2.70            | 0.050            | 4.80    |
| FPI0503-3R3 □ | 3.30            | 0.065            | 4.00    |
| FPI0503-4R7 □ | 4.70            | 0.070            | 2.90    |
| FPI0503-5R1 □ | 5.10            | 0.075            | 2.90    |
| FPI0503-5R6 □ | 5.60            | 0.090            | 2.80    |
| FPI0503-6R8 □ | 6.80            | 0.095            | 2.60    |
| FPI0503-100 □ | 10              | 0.170            | 2.20    |
| FPI0503-120 □ | 12              | 0.180            | 2.10    |
| FPI0503-150 □ | 15              | 0.200            | 2.00    |
| FPI0503-220 □ | 22              | 0.300            | 1.30    |
| FPI0503-270 □ | 27              | 0.315            | 1.30    |
| FPI0503-330 □ | 33              | 0.380            | 1.10    |
| FPI0503-350 □ | 35              | 0.390            | 1.05    |
| FPI0503-390 □ | 39              | 0.400            | 0.95    |
| FPI0503-470 □ | 47              | 0.500            | 0.95    |
| FPI0503-560 □ | 56              | 0.700            | 0.80    |
| FPI0503-600 □ | 60              | 0.900            | 0.80    |
| FPI0503-680 □ | 68              | 1.000            | 0.75    |
| FPI0503-820 □ | 82              | 1.050            | 0.73    |
| FPI0503-101 □ | 100             | 1.100            | 0.70    |
| FPI0503-121 □ | 120             | 1.200            | 0.63    |
| FPI0503-151 □ | 150             | 1.500            | 0.56    |
| FPI0503-181 □ | 180             | 1.800            | 0.53    |
| FPI0503-221 □ | 220             | 2.500            | 0.48    |
| FPI0503-331 □ | 330             | 3.000            | 0.38    |
| FPI0503-471 □ | 470             | 3.800            | 0.37    |
| FPI0503-561 □ | 560             | 4.700            | 0.33    |
| FPI0503-102 □ | 1000            | 8.000            | 0.26    |

\* 100uH 以上 Test Frequency : 1KHZ/1V

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

CORE MASTER ENTERPRISE CO., LTD.

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