

# SHIELDED SMD POWER INDUCTORS / SRI TYPE

## FEATURES

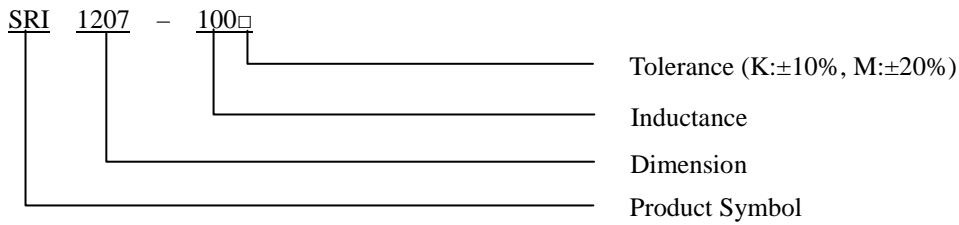
- ◆ Excellent solder ability and high heat resistance for flow soldering.
- ◆ For large current circuits due to its low DC resistance.
- ◆ Excellent in terminal strength due to its high performance ferrite core material and solder ability.



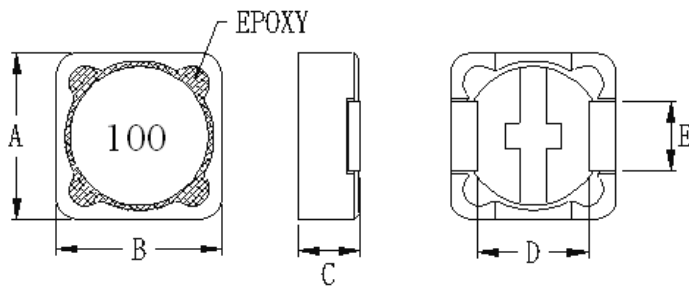
## APPLICATIONS

- ◆ LCD TV & Notebook
- ◆ DC/DC converter
- ◆ Power supplies for portable communication equipment

## ORDERING CODE



## DIMENSIONS (UNIT: mm)



|   |            |     |
|---|------------|-----|
| A | 12.0 ± 0.5 | m/m |
| B | 12.0 ± 0.5 | m/m |
| C | 8.0 (MAX)  | m/m |
| D | 8.0 (REF)  | m/m |
| E | 5.0 (REF)  | m/m |



CORE MASTER ENTERPRISE CO., LTD.

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### ELECTRICAL CHARACTERISTICS FOR SRI1207

| Part No.      | Inductance (uH) | RDC ( $\Omega$ ) | IDC (A) |
|---------------|-----------------|------------------|---------|
| SRI1207-1R2 □ | 1.2             | 0.015            | 19.00   |
| SRI1207-2R2 □ | 2.2             | 0.01600          | 18.00   |
| SRI1207-2R4 □ | 2.4             | 0.01600          | 17.00   |
| SRI1207-2R9 □ | 2.9             | 0.01700          | 16.00   |
| SRI1207-3R3 □ | 3.3             | 0.01800          | 13.00   |
| SRI1207-3R5 □ | 3.5             | 0.01800          | 13.00   |
| SRI1207-3R9 □ | 3.9             | 0.01800          | 13.00   |
| SRI1207-4R4 □ | 4.4             | 0.01900          | 12.00   |
| SRI1207-4R7 □ | 4.7             | 0.01900          | 12.00   |
| SRI1207-5R0 □ | 5.0             | 0.01900          | 12.00   |
| SRI1207-5R6 □ | 5.6             | 0.02000          | 11.50   |
| SRI1207-6R0 □ | 6.0             | 0.02100          | 11.50   |
| SRI1207-6R1 □ | 6.1             | 0.02100          | 11.50   |
| SRI1207-6R8 □ | 6.8             | 0.02200          | 11.00   |
| SRI1207-7R5 □ | 7.5             | 0.02200          | 9.50    |
| SRI1207-7R6 □ | 7.6             | 0.02200          | 9.50    |
| SRI1207-8R2 □ | 8.2             | 0.02300          | 9.50    |
| SRI1207-100 □ | 10              | 0.02400          | 8.00    |
| SRI1207-120 □ | 12              | 0.02500          | 7.50    |
| SRI1207-150 □ | 15              | 0.02700          | 7.00    |
| SRI1207-180 □ | 18              | 0.03300          | 6.00    |
| SRI1207-220 □ | 22              | 0.04320          | 5.50    |
| SRI1207-270 □ | 27              | 0.04600          | 5.20    |
| SRI1207-330 □ | 33              | 0.06500          | 3.50    |
| SRI1207-390 □ | 39              | 0.07300          | 3.40    |
| SRI1207-470 □ | 47              | 0.10000          | 3.30    |
| SRI1207-560 □ | 56              | 0.12000          | 3.30    |
| SRI1207-680 □ | 68              | 0.12000          | 3.20    |
| SRI1207-820 □ | 82              | 0.15001          | 3.20    |
| SRI1207-101 □ | 100             | 0.22000          | 2.90    |



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|---------------|-----------------|------------------|---------|
| SRI1207-121 □ | 120             | 0.29000          | 2.25    |
| SRI1207-151 □ | 150             | 0.30000          | 2.10    |
| SRI1207-181 □ | 180             | 0.30000          | 2.00    |
| SRI1207-191 □ | 190             | 0.30000          | 1.80    |
| SRI1207-221 □ | 220             | 0.50000          | 1.70    |
| SRI1207-271 □ | 270             | 0.50000          | 1.60    |
| SRI1207-331 □ | 330             | 0.55000          | 1.50    |
| SRI1207-391 □ | 390             | 0.58000          | 1.40    |
| SRI1207-471 □ | 470             | 0.80000          | 1.40    |
| SRI1207-561 □ | 560             | 0.80000          | 1.10    |
| SRI1207-681 □ | 680             | 0.80000          | 1.00    |
| SRI1207-751 □ | 750             | 0.80000          | 1.00    |
| SRI1207-801 □ | 800             | 0.93000          | 0.95    |
| SRI1207-821 □ | 820             | 1.00000          | 0.90    |
| SRI1207-102 □ | 1000            | 1.50000          | 0.80    |
| SRI1207-142 □ | 1400            | 1.78000          | 0.60    |
| SRI1207-152 □ | 1500            | 1.78000          | 0.60    |
| SRI1207-222 □ | 2200            | 3.10000          | 0.55    |
| SRI1207-252 □ | 2500            | 3.20000          | 0.50    |
| SRI1207-332 □ | 3300            | 3.85000          | 0.47    |
| SRI1207-502 □ | 5000            | 7.50000          | 0.35    |
| SRI1207-103 □ | 10000           | 13.50000         | 0.09    |
| SRI1207-223 □ | 22000           | 40.00000         | 0.08    |

\*100uH 以上 Test Frequency : 1KHZ/1V

\*100uH 以下 Test Frequency : 100KHZ/0.1V



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