

FEATURES

Compact and thin.
Large permissible D.C. current and low D.C. resistance.

APPLICATIONS

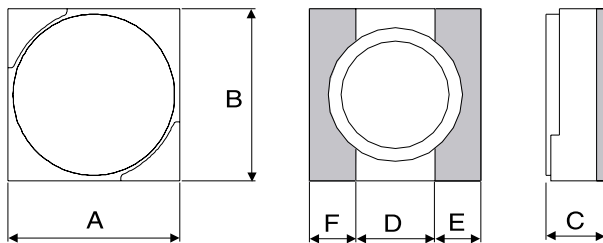
DC-DC converter of portable equipment.
Camcorder, LCD television set, Digital still camera, P.D.A., Notebook.
Small size communication equipment.

PRODUCT IDENTIFICATION

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②
③
④
⑤
 MSCDRI - 2D11C - 100 M □ □

- ① Product Code
- ② Core Dimensions
- ③ Inductance Code
- ④ Tolerance Code
- ⑤ Pattern Code

PRODUCT SERIES



| Part No. | A | B | C | D | E | F |
|--------------|-----------|-----------|-----------|-----|-----|-----|
| MSCDRI-2D11C | 3.1 ± 0.3 | 3.1 ± 0.3 | 1.25Max | 1.0 | 1.1 | 1.1 |
| MSCDRI-2D18C | 3.1 ± 0.3 | 3.1 ± 0.3 | 1.8 ± 0.3 | 1.0 | 1.1 | 1.1 |

Notes: Dimension in mm

■ PRODUCT SPECIFICATIONS

| Part No. | Inductance (μ H) | DC Resistance(Ω)Max. | | Permissible DC Current(A)Max. | |
|----------|--------------------------|-------------------------------|-------|-------------------------------|-------|
| | | 2D11C | 2D18C | 2D11C | 2D18C |
| 1R5 | 1.5 | 0.100 | | 0.90 | |
| 1R7 | 1.7 | | 0.044 | | 1.85 |
| 2R2 | 2.2 | 0.165 | 0.060 | 0.78 | 1.60 |
| 3R3 | 3.3 | 0.168 | 0.086 | 0.60 | 1.45 |
| 4R7 | 4.7 | 0.170 | 0.140 | 0.50 | 1.20 |
| 6R8 | 6.8 | 0.260 | 0.160 | 0.44 | 1.05 |
| 8R2 | 8.2 | | 0.230 | | 0.90 |
| 100 | 10 | 0.400 | 0.245 | 0.35 | 0.78 |
| 150 | 15 | 0.600 | 0.345 | 0.27 | 0.70 |
| 220 | 22 | 0.850 | 0.660 | 0.20 | 0.37 |
| 330 | 33 | 1.300 | | 0.15 | |
| 470 | 47 | 1.800 | | 0.11 | |

1. TEST FREQ. (L): @ 100KHz/250mV

2. TOLERANCE OF INDUCTANCE: 1~8.2 μ H \pm 30%(N) 10~470 μ H \pm 20%(M)

3. The max. permissible DC current is the DC current applied which causes 35% reduction of its initial inductance value, or the coil temperature to rise by 40°C, whichever is lower.