

TYPE D73F/C, D73CT, D73LF/LC, D75F/C

Frequency Range: 0.1~1MHz
Inductance Range: 1-100μH
4.7-470μH (D73CT)
1-560μH (D75F/C)

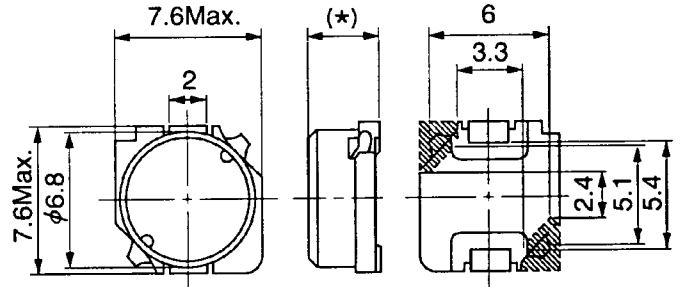


Features

- Low profile (3.0 ~ 5.1 mm max height)
- Inductance range: 1-560μH
- Available in magnetically shielded or unshielded versions
- Supplied on tape and reel for auto insertion
- Ideal for a variety of DC-DC converter inductor applications

Measurement Condition

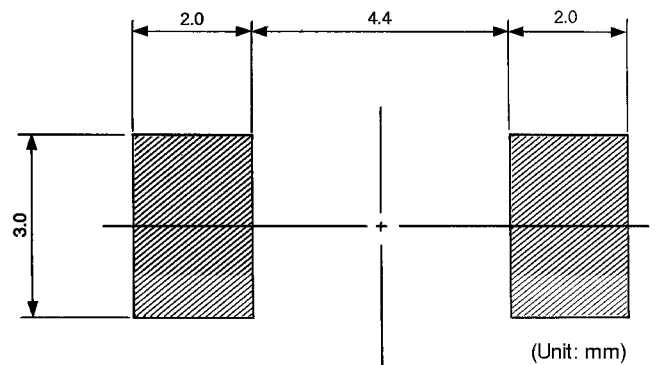
- Inductance is measured with a LCR-meter 4284A (HP) or equivalent.
- DC resistance is measured by Digital Multimeter TR6871 (Advantest) or equivalent.
- The Rated DC current is that which the inductance value decreases 10% by the excitation DC current, or which the temperature rises to 40°C by excitation DC current, whichever is lower.



Unit: mm

NOTES (*): D73LF/LC: 3.0 mm max.
D73F/C/CT: 3.5 mm max.
D75F/C: 5.1 mm max.

Recommended patterns:



(Unit: mm)

STANDARD PARTS SELECTION GUIDE

(1) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).

TYPE D73LF (Unshielded)

| TOKO Part Number | Inductance L (μH) | Tolerance | Test Frequency (kHz) | DC Resistance (Ω) max. | (A) max. ⁽¹⁾ |
|------------------|-------------------|-----------|----------------------|------------------------|-------------------------|
| 817FY-1R0M | 1.0 | ±20% | 100 | 0.02 | 3.60 |
| 817FY-1R5M | 1.5 | ±20% | 100 | 0.03 | 3.40 |
| 817FY-2R2M | 2.2 | ±20% | 100 | 0.03 | 2.68 |
| 817FY-3R3M | 3.3 | ±20% | 100 | 0.04 | 2.40 |
| 817FY-4R7M | 4.7 | ±20% | 100 | 0.06 | 2.26 |
| 817FY-6R8M | 6.8 | ±20% | 100 | 0.08 | 1.66 |
| 817FY-100M | 10.0 | ±20% | 100 | 0.12 | 1.37 |
| 817FY-120M | 12.0 | ±20% | 100 | 0.14 | 1.12 |
| 817FY-150M | 15.0 | ±20% | 100 | 0.18 | 1.08 |
| 817FY-180M | 18.0 | ±20% | 100 | 0.20 | 1.04 |
| 817FY-220M | 22.0 | ±20% | 100 | 0.27 | 0.80 |
| 817FY-270M | 27.0 | ±20% | 100 | 0.32 | 0.77 |
| 817FY-330M | 33.0 | ±20% | 100 | 0.35 | 0.71 |
| 817FY-390M | 39.0 | ±20% | 100 | 0.48 | 0.62 |
| 817FY-470M | 47.0 | ±20% | 100 | 0.56 | 0.56 |
| 817FY-560M | 56.0 | ±20% | 100 | 0.63 | 0.54 |
| 817FY-680M | 68.0 | ±20% | 100 | 0.71 | 0.50 |
| 817FY-820M | 82.0 | ±20% | 100 | 0.97 | 0.43 |
| 817FY-101M | 100.0 | ±20% | 100 | 1.08 | 0.39 |

TYPE D73LC (Shielded)

| TOKO Part Number | Inductance L (μH) | Tolerance | Test Frequency (kHz) | DC Resistance (Ω) max. | (A) max. ⁽¹⁾ |
|------------------|-------------------|-----------|----------------------|------------------------|-------------------------|
| 817CY-1R2M | 1.2 | ±20% | 100 | 0.02 | 2.73 |
| 817CY-1R8M | 1.8 | ±20% | 100 | 0.02 | 2.26 |
| 817CY-2R4M | 2.4 | ±20% | 100 | 0.03 | 1.91 |
| 817CY-3R3M | 3.3 | ±20% | 100 | 0.03 | 1.68 |
| 817CY-4R7M | 4.7 | ±20% | 100 | 0.04 | 1.28 |
| 817CY-6R8M | 6.8 | ±20% | 100 | 0.05 | 1.06 |
| 817CY-100M | 10.0 | ±20% | 100 | 0.08 | 1.04 |
| 817CY-120M | 12.0 | ±20% | 100 | 0.10 | 0.84 |
| 817CY-150M | 15.0 | ±20% | 100 | 0.11 | 0.77 |
| 817CY-180M | 18.0 | ±20% | 100 | 0.13 | 0.67 |
| 817CY-220M | 22.0 | ±20% | 100 | 0.18 | 0.62 |
| 817CY-270M | 27.0 | ±20% | 100 | 0.20 | 0.57 |
| 817CY-330M | 33.0 | ±20% | 100 | 0.26 | 0.51 |
| 817CY-390M | 39.0 | ±20% | 100 | 0.30 | 0.46 |
| 817CY-470M | 47.0 | ±20% | 100 | 0.41 | 0.45 |
| 817CY-560M | 56.0 | ±20% | 100 | 0.43 | 0.37 |
| 817CY-680M | 68.0 | ±20% | 100 | 0.50 | 0.35 |
| 817CE-820M | 82.0 | ±20% | 100 | 0.72 | 0.32 |
| 817CE-101M | 100 | ±20% | 100 | 0.78 | 0.30 |

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