



## Fixed Inductors for Surface Mounting

TYPE

D73F/C

D73CT

D73LF/LC

D75F/C

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### 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)



D73F



D73C



D73CT



D73LF



D73LC



D75F



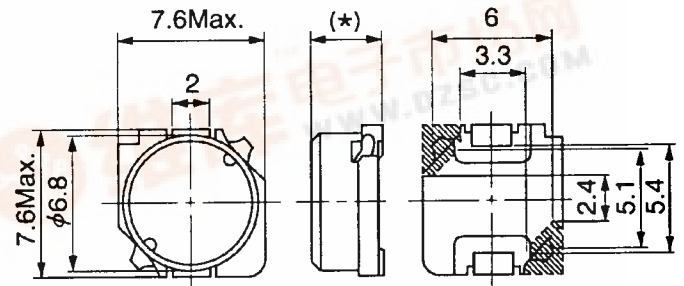
D75C

### 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

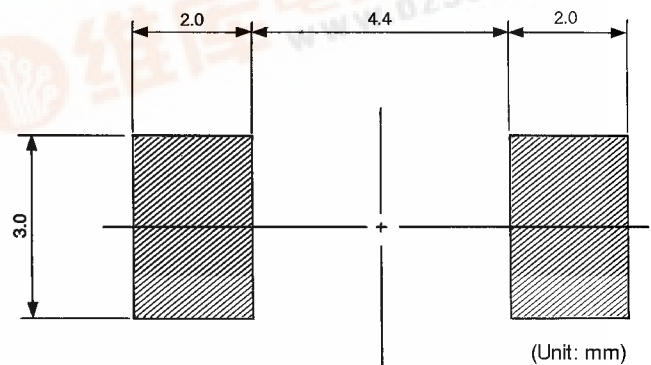
- Inductance is measured with a LCR-meter 4284A (HP) or equivalent.
- DC resistance is measured by Digital Multimeter TR6871 (Advantest) or equivalent.
- The Rated DC current is that which the inductance value decreases 10% by the excitation DC current, or which the temperature rises to 40°C by excitation 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. <sup>(1)</sup>
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. <sup>(1)</sup>
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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