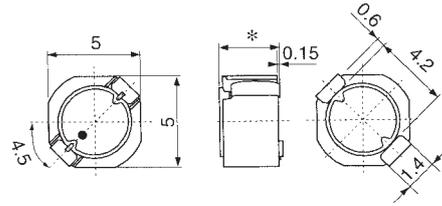


TYPE D53LC

Frequency Range: 0.1 - 1MHz
Inductance Range: 1.1 - 220μH



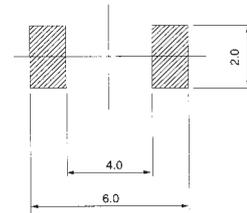
* : D52LC: 2.0 max.
D53LC: 3.0 max.

Unit: mm

Features

- Low profile (3.0mm max.)
- Magnetically shielded
- Available on tape and reel for auto-insertion
- Suitable for reflow soldering
- Lead-free terminations

Recommended patterns:



Unit: mm

STANDARD PARTS SELECTION GUIDE

- (1) Inductance is measured by LCR-meter 4284A (HP) or equivalent.
 (2) DC Resistance is measured by Digital Multimeter TR6871 (Advantest) or equivalent.
 (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).

TYPE D53LC (Type A)

TOKO Part Number	Lo (μH)	Inductance		DC Resistance Spec (mΩ) max.	Rated DC Current ⁽³⁾	
		Tolerance %	Test Freq. (kHz)		Δ L/L=30% (A) max.	Δ T=40°C (A) max.
#A915AY-1R1M=P3	1.1	± 20	100	20	3.87	3.25
#A915AY-2R0M=P3	2.0	± 20	100	27	2.92	2.64
#A915AY-3R3M=P3	3.3	± 20	100	34	2.36	2.26
#A915AY-4R7M=P3	4.7	± 20	100	45	1.87	2.01
#A915AY-6R8M=P3	6.8	± 20	100	68	1.51	1.65
#A915AY-100M=P3	10	± 20	100	90	1.33	1.41
#A915AY-150M=P3	15	± 20	100	142	1.05	1.10
#A915AY-220M=P3	22	± 20	100	208	0.86	0.81
#A915AY-330M=P3	33	± 20	100	257	0.72	0.75
#A915AY-470M=P3	47	± 20	100	352	0.62	0.64
#A915AY-680M=P3	68	± 20	100	525	0.51	0.52
#A915AY-101M=P3	100	± 20	100	801	0.43	0.44

TYPE D53LC (Type B)

TOKO Part Number	Lo (μH)	Inductance		DC Resistance Spec (mΩ) max.	Rated DC Current ⁽³⁾	
		Tolerance %	Test Freq. (kHz)		Δ L/L=30% (A) max.	Δ T=40°C (A) max.
#A915BY-4R7M=P3	4.7	± 20	100	35	1.13	2.18
#A915BY-6R8M=P3	6.8	± 20	100	50	0.99	1.81
#A915BY-100M=P3	10	± 20	100	67	0.74	1.50
#A915BY-150M=P3	15	± 20	100	97	0.58	1.28
#A915BY-220M=P3	22	± 20	100	135	0.51	1.12
#A915BY-330M=P3	33	± 20	100	206	0.41	0.88
#A915BY-470M=P3	47	± 20	100	268	0.34	0.75
#A915BY-680M=P3	68	± 20	100	371	0.29	0.64
#A915BY-101M=P3	100	± 20	100	569	0.26	0.51
#A915BY-151M=P3	150	± 20	100	940	0.21	0.38
#A915BY-221M=P3	220	± 20	100	1200	0.18	0.33

Note: =P3 is added to each part number to indicate tape and reel packaging.

Please read PRECAUTIONS and NOTES sections of this catalog for safe operation. This catalog contains consumer grade specifications only. Detailed technical specifications are available upon request.