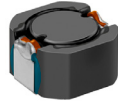
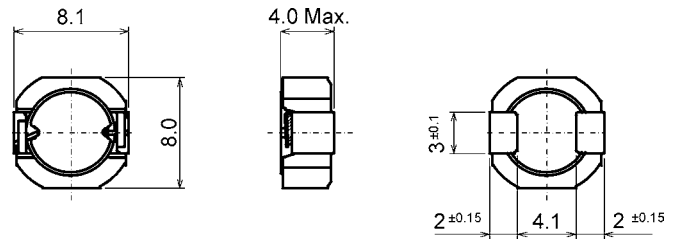


TYPE DS84LC

Inductance Range: 1.0 - 10 μ H
Frequency Range: 0.1 - 1MHz



Dimensions & Recommended Patterns:

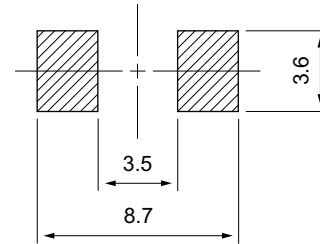


Description

The TOKO DS84LC Series of magnetically shielded surface mount fixed inductors are designed for general purpose DC-DC converter applications in consumer electronics platforms.

Features

- 8.4mm x 8.3mm footprint
- 4.0mm maximum height
- Magnetically shielded
- Reflow solderable
- Packaged on 500 piece reels
- Lead-free terminations



Tolerance: ± 0.3
Unit: mm

STANDARD PARTS SELECTION GUIDE

- (1) Inductance is measured by LCR-meter 4284A (Agilent) or equivalent.
- (2) DC resistance is measured by Digital Multimeter TR6871 (Advantest) or equivalent.
- (3) 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 DS84LC

TOKO Part Number	Inductance ⁽¹⁾ (μ H)	Tolerance (%)	DC Resistance ⁽²⁾ (Ω) max.	Inductance ⁽³⁾ Decrease Current -10% (A) max.	Temperature ⁽³⁾ Rise Current +40°C Δ T (A) max.
B1015AS-1R0N=P3	1.0	± 30	0.011	8.0	6.9
B1015AS-1R5N=P3	1.5	± 30	0.014	6.6	6.2
B1015AS-2R2N=P3	2.2	± 30	0.018	5.6	5.1
B1015AS-3R0N=P3	3.0	± 30	0.024	4.8	4.3
B1015AS-3R9N=P3	3.9	± 30	0.033	4.2	3.6
B1015AS-4R7N=P3	4.7	± 30	0.038	3.8	3.3
B1015AS-5R6N=P3	5.6	± 30	0.041	3.5	3.1
B1015AS-6R8N=P3	6.8	± 30	0.051	3.2	2.7
B1015AS-8R2N=P3	8.2	± 30	0.062	2.9	2.5
B1015AS-100M=P3	10	± 20	0.071	2.7	2.2

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



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