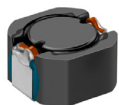


SURFACE MOUNT FIXED INDUCTOR

TYPE DS85LC

Inductance Range: 1.1 - 82 μ H
Frequency Range: 0.1 - 1MHz



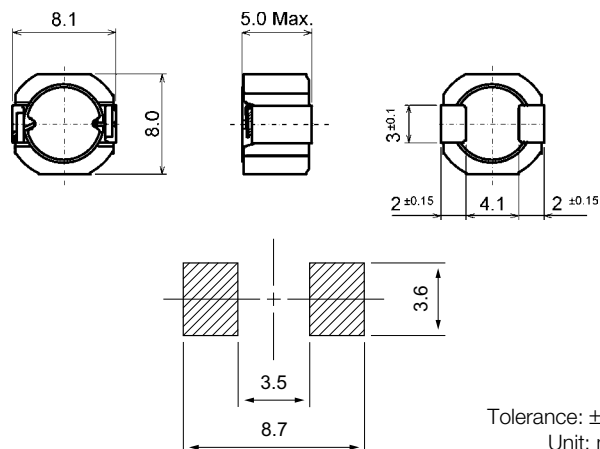
Description

The TOKO DS85LC 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
- 5.0mm maximum height
- Magnetically shielded
- Reflow solderable
- Packaged on 500 piece reels
- Lead-free terminations

Dimensions & Recommended Patterns:



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 DS85LC

TOKO Part Number	Inductance ⁽¹⁾ (μ H)	Tolerance (%)	DC ⁽²⁾ Resistance (Ω) max.	Inductance ⁽³⁾ Decrease Current -10% (A) max.	Temperature ⁽³⁾ Rise Current +40°C Δ T (A) max.
B1000AS-1R1N=P3	1.1	± 30	0.012	8.0	6.5
B1000AS-1R6N=P3	1.6	± 30	0.015	6.6	5.9
B1000AS-2R2N=P3	2.2	± 30	0.016	5.5	5.6
B1000AS-3R0N=P3	3.0	± 30	0.018	4.8	5.1
B1000AS-3R9N=P3	3.9	± 30	0.021	4.3	4.8
B1000AS-4R7N=P3	4.7	± 30	0.022	3.8	4.6
B1000AS-5R6N=P3	5.6	± 30	0.029	3.5	3.9
B1000AS-6R8N=P3	6.8	± 30	0.038	3.1	3.4
B1000AS-8R2N=P3	8.2	± 30	0.041	2.7	3.2
B1000AS-100M=P3	10	± 20	0.051	2.5	2.9
B1000AS-120M=P3	12	± 20	0.060	2.3	2.6
B1000AS-150M=P3	15	± 20	0.077	2.1	2.2
B1000AS-180M=P3	18	± 20	0.100	1.9	1.9
B1000AS-220M=P3	22	± 20	0.115	1.7	1.8
B1000AS-270M=P3	27	± 20	0.130	1.6	1.7
B1000AS-330M=P3	33	± 20	0.145	1.4	1.6
B1000AS-390M=P3	39	± 20	0.160	1.3	1.5
B1000AS-470M=P3	47	± 20	0.170	1.2	1.4
B1000AS-560M=P3	56	± 20	0.195	1.1	1.4
B1000AS-680M=P3	68	± 20	0.235	0.96	1.2
B1000AS-820M=P3	82	± 20	0.325	0.87	1.0

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



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