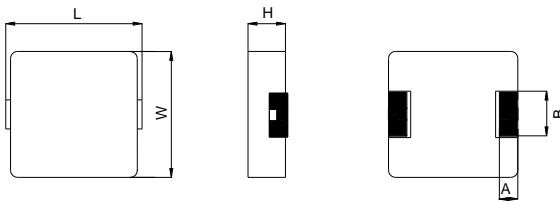


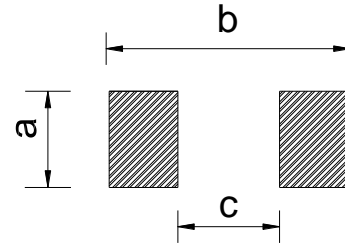
Dimensions



L	W	H	A	B
11.0±0.5	10.0±0.3	4.0 max.	2.3 typ.	3.0 typ.

Unit: mm

Recommended Land Pattern



a	b	c
3.5	13.6	5.4

Unit: mm

Description

- Magnetically shielded structure.
- 11.0 x 10.0 mm (L x W), 4.0mm max. Height.
- Metal composite molding structure provides less buzz noise.
- Low DCR, ultra high DC saturation current design.
- Ideally used in Notebook PC CPU power supply, etc.
- Custom inductors are also available.
- RoHS compliant.

Product Identification

34C 1038 H - 6R8 M T 01

- | | | | | | | |
|----------------------|----------------------|---------------------------|---|---------------|-------------------|------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| (1) Product category | (2) Dimension symbol | (3) Internal control code | (4) Inductance value | (5) Tolerance | (6) Packing Style | (7) Characteristic parameter level |
| | 10.0 X 3.8 mm(W X H) | | 100=10×10 ⁰ uH=10uH, 4R7=4.7uH | M=±20% | T=Taping | |

Electrical Characteristics

Packaging 500pcs/reel

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) typ.	Irms ④ (A) typ.
34C1038H-R36MT01	0.36	±20%	1.2	60	21
34C1038H-R39MT01	0.39	±20%	1.3	60	20
34C1038H-R45MT01	0.45	±20%	1.5	45	19
34C1038H-R56MT01	0.56	±20%	1.8	40	17
34C1038H-R68MT01	0.68	±20%	2.7	39	14
34C1038H-R88MT01	0.88	±20%	3.0	38	13.3
34C1038H-1R0MT01	1.0	±20%	3.3	36	12.7
34C1038H-1R5MT01	1.5	±20%	4.6	31	10.7
34C1038H-2R2MT01	2.2	±20%	7.0	27	8.7
34C1038H-3R3MT01	3.3	±20%	11.8	20	6.7
34C1038H-4R7MT01	4.7	±20%	15.5	17	5.8
34C1038H-6R8MT01	6.8	±20%	23.3	13.5	4.8
34C1038H-100MT01	10	±20%	30	12	4.2
34C1038H-150MT01	15	±20%	45	10	3.4
34C1038H-220MT01	22	±20%	74	7.0	2.6

- ① Inductance tested at 100 kHz, 1.0 Vrms using an Agilent/HP 4284A or equivalent.
 ② DCR measured on a micro-ohmmeter.
 ③ Isat: The DC current at which the inductance decreases by 30% of it's initial value.
 ④ Irms: The DC current at which the temperature rise is Δ t=40°C. (Ta=20°C)