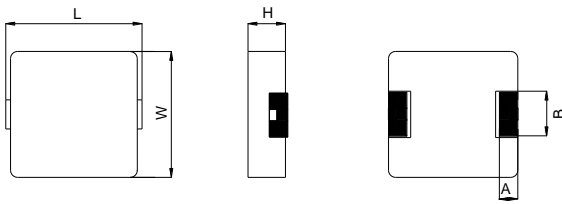


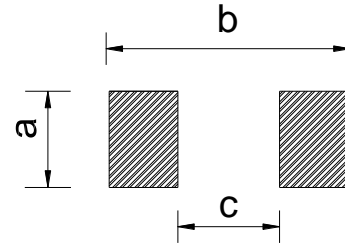
Dimensions



L	W	H	A	B
13.5±0.5	12.5±0.3	6.0 max.	2.3 typ.	4.7 typ.

Unit: mm

Recommended Land Pattern



a	b	c
5.0	14.2	8.0

Unit: mm

Description

- Magnetically shielded structure.
- 13.5 x 12.5 mm (L x W), 6.0mm 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 1257 P - 1R0 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 |
| | 12.5 X 5.7 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.
34C1257P-6R8MT01	6.8	±20%	13.8	19	7.7
34C1257P-100MT01	10	±20%	20.7	15.5	6.2
34C1257P-120MT01	12	±20%	23	13.5	6.0
34C1257P-150MT01	15	±20%	29	13.0	5.3
34C1257P-180MT01	18	±20%	35	12.0	4.8
34C1257P-220MT01	22	±20%	39.5	11.0	4.5
34C1257P-270MT01	27	±20%	56	9.0	3.8
34C1257P-330MT01	33	±20%	75	8.0	3.3
34C1257P-470MT01	47	±20%	90	7.0	3.0
34C1257P-680MT01	68	±20%	140	6.0	2.4
34C1257P-101MT01	100	±20%	200	5.0	2.0
34C1257P-121MT01	120	±20%	235	4.5	1.8
34C1257P-151MT01	150	±20%	350	4.0	1.5

- 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)