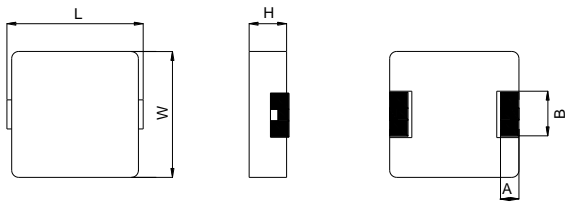


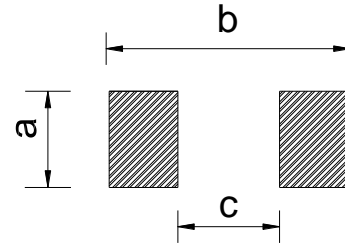
Dimensions



L	W	H	A	B
3.5±0.2	3.2±0.2	2.0 max.	0.7 typ.	1.2 typ.

Unit: mm

Recommended Land Pattern



a	b	c
1.45	4.1	1.9

Unit: mm

Description

- Magnetically metal power inductor.
- 3.5 x 3.2mm (L x W), 2.0mm max. Height.
- High current, low DCR, high efficiency.
- Very low acoustic noise and very low leakage flux noise.
- High reliability.
- RoHS compliant.

Product Identification

34C 3218 H - 2R2 M T 01

(1) (2) (3) (4) (5) (6) (7)

- (1) Product category
- (2) Dimension symbol 3.2 X 1.8 mm(W X H)
- (3) Internal control code
- (4) Inductance value 100=10×10⁰uH=10uH, 4R7=4.7uH
- (5) Tolerance M=±20%, Y=±30%
- (6) Packing Style T=Taping
- (7) Characteristic parameter level

Electrical Characteristics

Packaging 3000pcs/reel

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) typ.	Irms ④ (A) typ.
34C3218H-R47MT01	0.47	±20%	23	9.0	7.0
34C3218H-R68MT01	0.68	±20%	29	7.0	5.5
34C3218H-1R0MT01	1.0	±20%	38	5.0	4.0
34C3218H-1R5MT01	1.5	±20%	50	4.0	3.8
34C3218H-2R2MT01	2.2	±20%	75	3.7	3.5
34C3218H-3R3MT01	3.3	±20%	145	3.5	3.0
34C3218H-4R7MT01	4.7	±20%	200	3.0	2.6
34C3218H-5R6MT01	5.6	±20%	238	2.6	2.2
34C3218H-6R8MT01	6.8	±20%	300	2.2	1.9
34C3218H-8R2MT01	8.2	±20%	390	1.9	1.6
34C3218H-100MT01	10	±20%	422	1.6	1.4

① Inductance tested at 100 kHz, 0.1. 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 its initial value.

④ Irms: The DC current at which the temperature rise is Δt=40°C. (Ta=20°C)