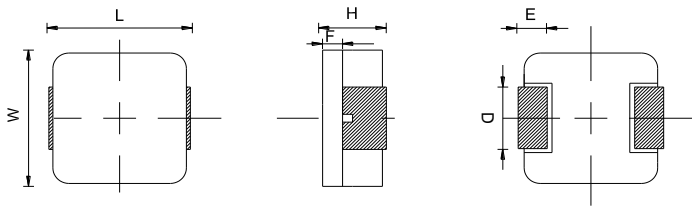


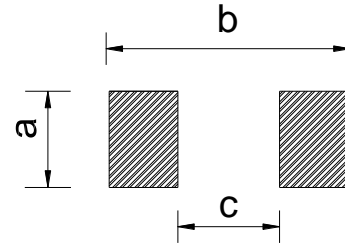
Dimensions



L	W	H	D	E
5.7±0.3	5.2±0.2	1.2 max.	2.5 typ.	1.1 typ.

Unit: mm

Recommended Land Pattern



a	b	c
2.2	6.0	2.8

Unit: mm

Description

- Magnetically metal power inductor.
- 5.7 x 5.2mm (L x W), 1.2mm 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 5210 P - 2R2 M T 01

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

- (1) Product category
- (2) Dimension symbol 5.2 X 1.0 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 4000pcs/reel

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) typ.	Irms ④ (A) typ.
34C5210P-R10YT01	0.1	±30%	5.2	14.5	14
34C5210P-R22YT01	0.22	±30%	6.7	14.0	10.7
34C5210P-R33MT01	0.33	±20%	9.4	13.5	8.5
34C5210P-R36MT01	0.36	±20%	11.5	13.0	8.0
34C5210P-R47MT01	0.47	±20%	15.8	11.0	7.0
34C5210P-R68MT01	0.68	±20%	24.5	9.0	6.0
34C5210P-1R0MT01	1.0	±20%	30	6.0	5.0
34C5210P-1R2MT01	1.2	±20%	40	5.5	4.5
34C5210P-1R5MT01	1.5	±20%	44	5.0	4.0
34C5210P-2R2MT01	2.2	±20%	75	4.0	3.5
34C5210P-3R3MT01	3.3	±20%	86	3.8	3.0
34C5210P-4R7MT01	4.7	±20%	115	3.2	2.5
34C5210P-5R6MT01	5.6	±20%	201	3.2	2.4
34C5210P-6R8MT01	6.8	±20%	222	3.0	2.0
34C5210P-8R2MT01	8.2	±20%	378	2.8	1.7
34C5210P-100MT01	10	±20%	385	1.8	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 Δt=40°C. (Ta=20°C)