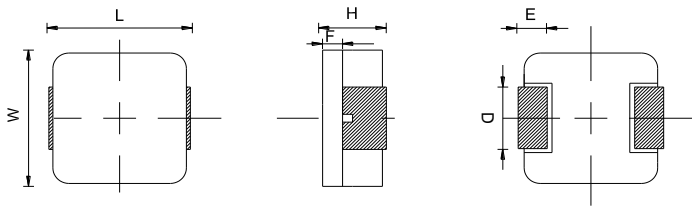


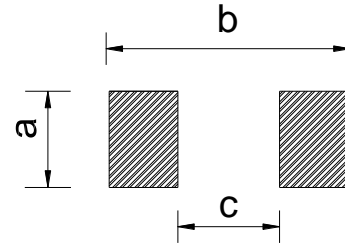
Dimensions



L	W	H	D	E
5.5±0.3	5.2±0.2	2.0 max.	1.5 typ.	1.1 typ.

Unit: mm

Recommended Land Pattern



a	b	c
1.8	6.0	2.2

Unit: mm

Description

- Magnetically metal power inductor.
- 5.5 x 5.2mm (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 5218 H - 2R2 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 |
| | 5.2 X 1.8 mm(W X H) | | 100=10×10 ⁰ uH=10uH, 4R7=4.7uH | M=±20%, Y=±30% | T=Taping | |

Electrical Characteristics

Packaging 3000pcs/reel

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) typ.	Irms ④ (A) typ.
34C5218H-R22MT01	0.22	±20%	5.5	25.0	8.1
34C5218H-R47MT01	0.47	±20%	8.6	18.0	6.5
34C5218H-R68MT01	0.68	±20%	12.4	12.8	5.4
34C5218H-1R0MT01	1.0	±20%	20	13.7	4.2
34C5218H-1R5MT01	1.5	±20%	30.5	9.8	3.5
34C5218H-2R2MT01	2.2	±20%	50	9.0	2.7
34C5218H-3R3MT01	3.3	±20%	76	7.3	2.2
34C5218H-4R7MT01	4.7	±20%	116	5.0	1.9
34C5218H-5R6MT01	5.6	±20%	122	4.0	1.8
34C5218H-6R8MT01	6.8	±20%	150	3.8	1.6
34C5218H-8R2MT01	8.2	±20%	171	3.5	1.5
34C5218H-100MT01	10	±20%	199	3.4	1.35

- 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)