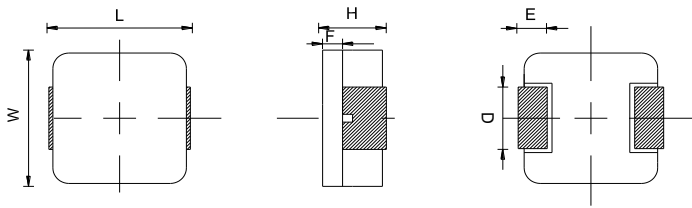


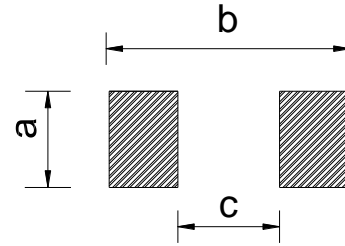
Dimensions



L	W	H	D	E
5.7±0.3	5.2±0.2	3.0.max.	1.5 typ.	1.1 typ.

Unit: mm

Recommended Land Pattern



a	b	c
1.8	6.5	2.5

Unit: mm

Description

- Magnetically metal power inductor.
- 5.7 x 5.2mm (L x W), 3.0mm 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 5228 H - 2R2 M T 01

- | | | | | | | |
|------------------------------------|---------------------------------|-----------|-----|-----|-----|-----|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| (1) Product category | | | | | | |
| (2) Dimension symbol | 5.2 X 2.8 mm | (W X H) | | | | |
| (3) Internal control code | | | | | | |
| (4) Inductance value | 100=10×10 ⁰ uH=10uH, | 4R7=4.7uH | | | | |
| (5) Tolerance | M=±20%, | Y=±30% | | | | |
| (6) Packing Style | T=Taping | | | | | |
| (7) Characteristic parameter level | | | | | | |

Electrical Characteristics

Packaging 2000pcs/reel

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) typ.	Irms ④ (A) typ.
34C5228H-R15YT01	0.15	±30%	2.7	30	11
34C5228H-R47MT01	0.47	±20%	7.4	16	7.2
34C5228H-R68MT01	0.68	±20%	12	14	5.5
34C5228H-1R0MT01	1.0	±20%	14	11	5.2
34C5228H-1R2MT01	1.2	±20%	16	11	4.9
34C5228H-1R5MT01	1.5	±20%	25	10	4.0
34C5228H-2R2MT01	2.2	±20%	35	9.0	3.3
34C5228H-3R3MT01	3.3	±20%	38	8.0	3.2
34C5228H-4R7MT01	4.7	±20%	53	6.0	2.7
34C5228H-5R6MT01	5.6	±20%	63	4.5	2.4
34C5228H-6R8MT01	6.8	±20%	76.2	4.3	2.2
34C5228H-100MT01	10	±20%	128	3.5	1.7
34C5228H-220MT01	22	±20%	250	1.7	1.2

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