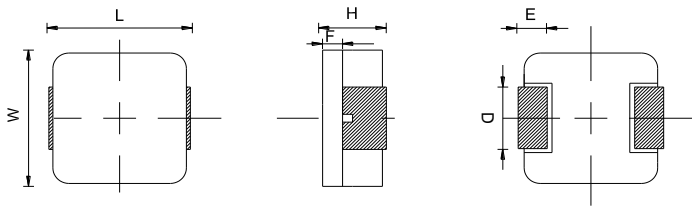


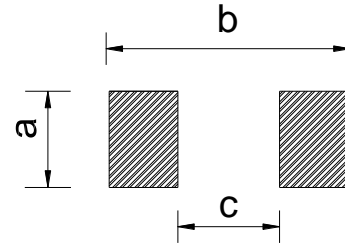
### Dimensions



L	W	H	D	E
4.45±0.25	4.06±0.25	2.0 max.	2.0 typ.	0.76 typ.

Unit: mm

### Recommended Land Pattern



a	b	c
2.4	5.2	2.2

Unit: mm

### Description

- Magnetically metal power inductor.
- 4.45 x 4.06mm (L x W), 1.8mm 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 4018 P - 2R2 M T 01

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

- (1) Product category
- (2) Dimension symbol 4.0 X 1.8 mm(W X H)
- (3) Internal control code
- (4) Inductance value 100=10×10<sup>0</sup>uH=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.
34C4018P-R10YT01	0.10	±30%	4.0	35	11
34C4018P-R22MT01	0.22	±20%	7.3	24	9.0
34C4018P-R33MT01	0.33	±20%	8.6	18	7.1
34C4018P-R47MT01	0.47	±20%	14	12	5.5
34C4018P-R68MT01	0.68	±20%	19	10	4.8
34C4018P-1R0MT01	1.0	±20%	27	8.5	4.0
34C4018P-1R2MT01	1.2	±20%	30	7.8	3.6
34C4018P-1R5MT01	1.5	±20%	42	7.0	3.8
34C4018P-2R2MT01	2.2	±20%	61	6.0	2.6
34C4018P-3R3MT01	3.3	±20%	76	4.0	2.2
34C4018P-4R7MT01	4.7	±20%	105	3.5	1.8
34C4018P-5R6MT01	5.6	±20%	125	3.0	1.6
34C4018P-6R8MT01	6.8	±20%	172	2.8	1.3
34C4018P-8R2MT01	8.2	±20%	180	2.5	1.2
34C4018P-100MT01	10	±20%	243	2.3	1.0
34C4018P-220MT01	22	±20%	500	1.4	0.7

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)

All specifications are subject to change without notice.