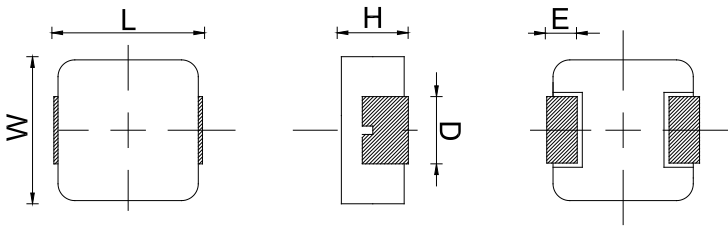


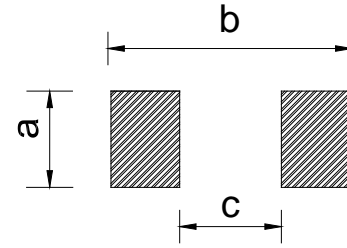
### Dimensions



L	W	H	D	E
7.0±0.3	6.6±0.3	1.8 max	3.0 typ.	1.8 typ.

Unit: mm

### Recommended Land Pattern



a	b	c
3.5	7.7	2.5

Unit: mm

### Description

- Magnetically metal power inductor.
- 7.0 x 6.6mm (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 6616 B - 2R2 M T 01**
- (1) (2) (3) (4) (5) (6) (7)
- (1) Product category
  - (2) Dimension symbol 6.6 X 1.6 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%
  - (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.
34C6616B-R22MT01	0.22	±20%	3.0	26	16
34C6616B-R47MT01	0.47	±20%	7.4	18	12
34C6616B-R68MT01	0.68	±20%	11	17	10
34C6616B-1R0MT01	1.0	±20%	17	14	7
34C6616B-1R2MT01	1.2	±20%	24	13.5	6.5
34C6616B-1R5MT01	1.5	±20%	25.2	13	6
34C6616B-2R2MT01	2.2	±20%	35	11	6
34C6616B-3R3MT01	3.3	±20%	46	9	5
34C6616B-4R7MT01	4.7	±20%	76	7	4
34C6616B-5R6MT01	5.6	±20%	86	6	3.5
34C6616B-6R8MT01	6.8	±20%	104	5.5	3
34C6616B-8R2MT01	8.2	±20%	140	4.5	2.6
34C6616B-100MT01	10	±20%	160	3.5	2.3

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