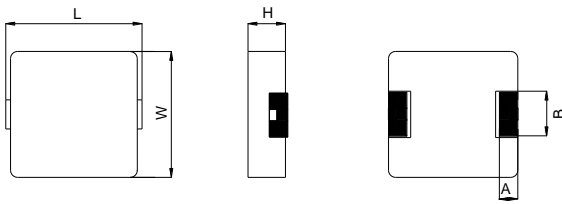


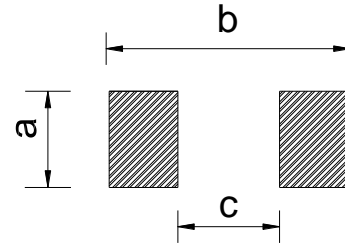
Dimensions



L	W	H	A	B
7.3±0.3	6.6±0.3	3.0 max.	1.8 typ.	3.0 typ.

Unit: mm

Recommended Land Pattern



a	b	c
3.5	8.4	2.5

Unit: mm

Description

- Magnetically shielded structure.
- 7.3 x 6.6 mm (L x W), 3.0mm max. Height.
- Metal composite molding structure provides less buzz noise.
- Low DCR, ultra high DC saturation current design.
- Ideally used in Notebook PC CPU power supply, etc.
- Custom inductors are also available.
- RoHS compliant.

Product Identification

34C 6628 H - 6R8 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 |
| | 6.6 X 2.8 mm(W X H) | | 100=10×10 ⁰ uH=10uH, 4R7=4.7uH | M=±20% | T=Taping | |

Electrical Characteristics

Packaging 1000pcs/reel

Part Number	Inductance ① (uH)	Inductance Tolerance	DCR ② (mΩ) max.	Isat ③ (A) typ.	Irms ④ (A) typ.
34C6628H-R22YT01	0.22	±30%	2.8	40.0	13.0
34C6628H-R33MT01	0.33	±20%	3.9	32.0	11.0
34C6628H-R47MT01	0.47	±20%	4.2	26.0	10.5
34C6628H-R56MT01	0.56	±20%	5.0	25.5	9.5
34C6628H-R68MT01	0.68	±20%	5.5	25.0	9.3
34C6628H-R75MT01	0.75	±20%	6.6	24.5	8.5
34C6628H-R82MT01	0.82	±20%	8.0	24.0	7.7
34C6628H-1R0MT01	1.0	±20%	10	22.0	7.0
34C6628H-1R5MT01	1.5	±20%	15	18.0	5.6
34C6628H-1R8MT01	1.8	±20%	17	16.0	5.3
34C6628H-2R2MT01	2.2	±20%	20	14.0	4.9
34C6628H-2R5MT01	2.5	±20%	22	13.0	4.6
34C6628H-3R3MT01	3.3	±20%	30	13.5	4.0
34C6628H-4R7MT01	4.7	±20%	40	10.0	3.4
34C6628H-5R6MT01	5.6	±20%	48	9.0	3.1
34C6628H-6R8MT01	6.8	±20%	60	8.0	2.8
34C6628H-8R2MT01	8.2	±20%	68	7.5	2.6
34C6628H-100MT01	10	±20%	85	6.0	2.3
34C6628H-220MT01	22	±20%	190	3.5	1.6

- 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)