

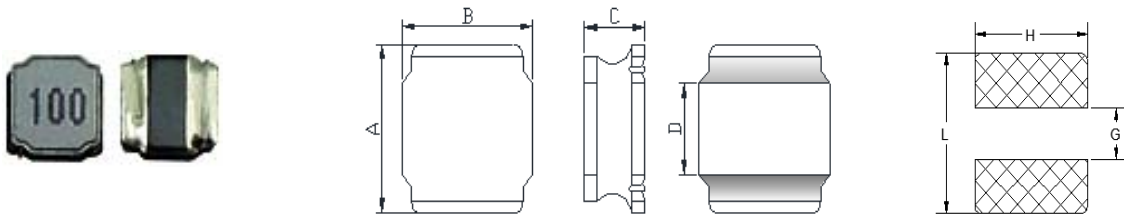
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Destop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,500 pcs/reel

| Type | A | B | C | D | L | G | H |
|----------|-----------|-----------|----------|-----------|----------|----------|----------|
| SDNR5040 | 5.0 ± 0.2 | 5.0 ± 0.2 | 4.0 max. | 4.0 ± 0.2 | 5.7 ref. | 2.3 ref. | 4.2 ref. |

Electrical Characteristics

| Part Number | Inductance (µH) | Measuring Freq. (KHz) | D.C.R ± 20% (Ω) | Isat. (A) | Irms. (A) | SRF min. (MHz) |
|----------------|-----------------|-----------------------|-----------------|-----------|-----------|----------------|
| SDNR5040-1R0NC | 1.0 ± 30% | 100 | 0.012 | 7.35 | 4.90 | 117 |
| SDNR5040-1R2NC | 1.2 ± 30% | 100 | 0.015 | 6.50 | 4.30 | 110 |
| SDNR5040-1R5NC | 1.5 ± 30% | 100 | 0.016 | 6.30 | 4.15 | 86 |
| SDNR5040-1R8NC | 1.8 ± 30% | 100 | 0.016 | 5.50 | 4.15 | 55 |
| SDNR5040-2R2NC | 2.2 ± 30% | 100 | 0.019 | 4.90 | 3.80 | 50 |
| SDNR5040-2R7NC | 2.7 ± 30% | 100 | 0.022 | 4.30 | 3.60 | 37 |
| SDNR5040-3R3NC | 3.3 ± 30% | 100 | 0.024 | 3.95 | 3.40 | 32 |
| SDNR5040-3R9NC | 3.9 ± 30% | 100 | 0.027 | 3.55 | 3.20 | 29 |
| SDNR5040-4R7NC | 4.7 ± 30% | 100 | 0.030 | 3.50 | 3.00 | 28 |
| SDNR5040-5R6MC | 5.6 ± 20% | 100 | 0.035 | 3.00 | 2.80 | 27 |
| SDNR5040-6R8MC | 6.8 ± 20% | 100 | 0.043 | 2.90 | 2.50 | 21 |
| SDNR5040-8R2MC | 8.2 ± 20% | 100 | 0.048 | 2.70 | 2.30 | 20 |
| SDNR5040-100MC | 10 ± 20% | 100 | 0.064 | 2.35 | 2.10 | 18 |
| SDNR5040-150MC | 15 ± 20% | 100 | 0.086 | 2.00 | 2.00 | 13 |
| SDNR5040-220MC | 22 ± 20% | 100 | 0.129 | 1.60 | 1.50 | 11 |
| SDNR5040-330MC | 33 ± 20% | 100 | 0.188 | 1.30 | 1.20 | 9 |
| SDNR5040-470MC | 47 ± 20% | 100 | 0.272 | 1.10 | 1.00 | 7 |
| SDNR5040-680MC | 68 ± 20% | 100 | 0.400 | 0.90 | 0.80 | 6 |
| SDNR5040-101MC | 100 ± 20% | 100 | 0.560 | 0.75 | 0.70 | 5 |
| SDNR5040-151MC | 150 ± 20% | 100 | 0.750 | 0.65 | 0.60 | 3.7 |
| SDNR5040-102MC | 1,000 ± 20% | 100 | 6.000 | 0.21 | 0.20 | 1.3 |

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient