

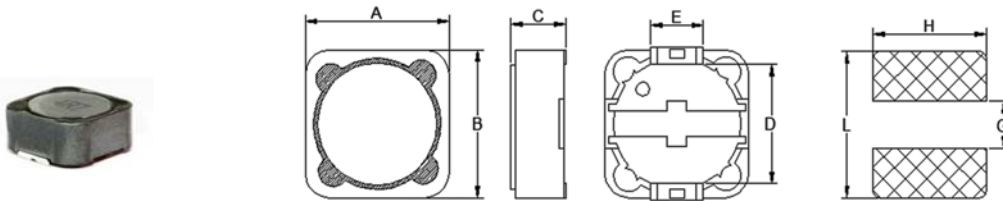
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

| Type | A | B | C | D | E | L | G | H |
|-----------|------------|------------|----------|-----------|-----|------|-----|-----|
| SDRH125LD | 12.0 ± 0.3 | 12.0 ± 0.3 | 6.0 Max. | 7.6 ± 0.2 | 5.0 | 12.6 | 7.0 | 5.4 |

Electrical Characteristics

| Part Number | Inductance (uH) | Measuring Freq. (KHz) | D.C.R (Ω) max. | Isat (A) max. | Irms (A) max. |
|-----------------|-----------------|-----------------------|----------------|---------------|---------------|
| SDRH125LD-7R5NC | 7.5 ± 30% | 100 | 0.019 | 7.00 | 6.40 |
| SDRH125LD-100NC | 10 ± 30% | 100 | 0.029 | 6.00 | 5.40 |
| SDRH125LD-120MC | 12 ± 20% | 1 | 0.032 | 5.40 | 5.20 |
| SDRH125LD-150MC | 15 ± 20% | 1 | 0.035 | 5.00 | 5.00 |
| SDRH125LD-180MC | 18 ± 20% | 1 | 0.041 | 4.50 | 4.60 |
| SDRH125LD-220MC | 22 ± 20% | 1 | 0.044 | 4.20 | 4.50 |
| SDRH125LD-270MC | 27 ± 20% | 1 | 0.052 | 3.70 | 4.20 |
| SDRH125LD-330MC | 33 ± 20% | 1 | 0.065 | 3.25 | 3.80 |
| SDRH125LD-390MC | 39 ± 20% | 1 | 0.075 | 3.00 | 3.40 |
| SDRH125LD-470MC | 47 ± 20% | 1 | 0.095 | 2.90 | 2.70 |
| SDRH125LD-560MC | 56 ± 20% | 1 | 0.125 | 2.50 | 2.60 |
| SDRH125LD-680MC | 68 ± 20% | 1 | 0.140 | 2.25 | 2.40 |
| SDRH125LD-820MC | 82 ± 20% | 1 | 0.157 | 2.10 | 2.30 |
| SDRH125LD-101MC | 100 ± 20% | 1 | 0.187 | 2.00 | 2.15 |
| SDRH125LD-121MC | 120 ± 20% | 1 | 0.228 | 1.70 | 1.90 |
| SDRH125LD-151MC | 150 ± 20% | 1 | 0.280 | 1.60 | 1.75 |
| SDRH125LD-181MC | 180 ± 20% | 1 | 0.335 | 1.45 | 1.48 |
| SDRH125LD-221MC | 220 ± 20% | 1 | 0.395 | 1.35 | 1.40 |
| SDRH125LD-271MC | 270 ± 20% | 1 | 0.520 | 1.20 | 1.25 |
| SDRH125LD-331MC | 330 ± 20% | 1 | 0.710 | 1.10 | 1.05 |
| SDRH125LD-391MC | 390 ± 20% | 1 | 0.800 | 0.98 | 1.00 |
| SDRH125LD-471MC | 470 ± 20% | 1 | 0.920 | 0.90 | 0.95 |
| SDRH125LD-561MC | 560 ± 20% | 1 | 1.200 | 0.83 | 0.85 |
| SDRH125LD-681MC | 680 ± 20% | 1 | 1.350 | 0.71 | 0.78 |
| SDRH125LD-821MC | 820 ± 20% | 1 | 1.400 | 0.62 | 0.72 |
| SDRH125LD-102MC | 1,000 ± 20% | 1 | 1.950 | 0.58 | 0.60 |

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