

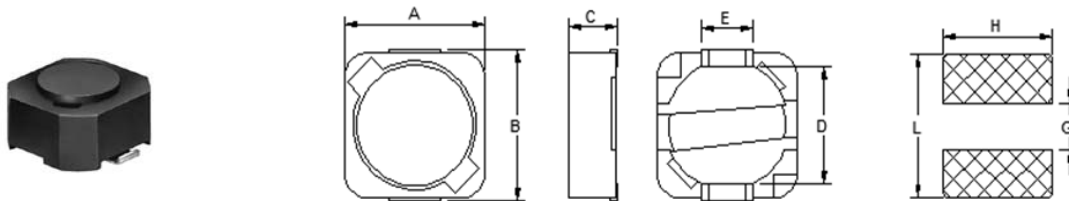
### Features

1. Excellent solderability and high heat resistance.
2. Takes up less PCB real estate and save more power
3. Suitable for surface mounting equipment
4. With magnetic shield against radiation

### Applications

Idealy used in Mobilephone, PDS, MP3, DVC, Portable DVD etc.. As DC-DC convertor inductors.

### Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

| Type    | A         | B         | C        | D         | E   | L   | G   | H   |
|---------|-----------|-----------|----------|-----------|-----|-----|-----|-----|
| SDRH64B | 6.2 ± 0.3 | 5.9 ± 0.3 | 4.5 Max. | 4.6 ± 0.2 | 1.5 | 7.3 | 4.0 | 2.0 |

### Electrical Characteristics

| Part Number   | Inductance (uH) | Measuring Freq. (KHz) | D.C.R (Ω) max. | Rated Current (A) max. |
|---------------|-----------------|-----------------------|----------------|------------------------|
| SDRH64B-100MC | 10 ± 20%        | 100                   | 0.120          | 1.35                   |
| SDRH64B-120MC | 12 ± 20%        | 100                   | 0.130          | 1.20                   |
| SDRH64B-150MC | 15 ± 20%        | 100                   | 0.180          | 1.10                   |
| SDRH64B-180MC | 18 ± 20%        | 100                   | 0.240          | 1.00                   |
| SDRH64B-220MC | 22 ± 20%        | 100                   | 0.270          | 0.91                   |
| SDRH64B-270MC | 27 ± 20%        | 100                   | 0.300          | 0.82                   |
| SDRH64B-330MC | 33 ± 20%        | 100                   | 0.330          | 0.75                   |
| SDRH64B-390MC | 39 ± 20%        | 100                   | 0.370          | 0.69                   |
| SDRH64B-470MC | 47 ± 20%        | 100                   | 0.520          | 0.62                   |
| SDRH64B-560MC | 56 ± 20%        | 100                   | 0.560          | 0.58                   |
| SDRH64B-680MC | 68 ± 20%        | 100                   | 0.630          | 0.52                   |
| SDRH64B-820MC | 82 ± 20%        | 100                   | 0.710          | 0.47                   |
| SDRH64B-101MC | 100 ± 20%       | 100                   | 1.030          | 0.43                   |
| SDRH64B-121MC | 120 ± 20%       | 100                   | 1.150          | 0.39                   |
| SDRH64B-151MC | 150 ± 20%       | 100                   | 1.680          | 0.35                   |
| SDRH64B-181MC | 180 ± 20%       | 100                   | 1.870          | 0.32                   |
| SDRH64B-221MC | 220 ± 20%       | 100                   | 2.080          | 0.29                   |
| SDRH64B-271MC | 270 ± 20%       | 100                   | 2.370          | 0.26                   |
| SDRH64B-331MC | 330 ± 20%       | 100                   | 2.670          | 0.23                   |
| SDRH64B-391MC | 390 ± 20%       | 100                   | 2.940          | 0.22                   |
| SDRH64B-471MC | 470 ± 20%       | 100                   | 3.930          | 0.20                   |
| SDRH64B-561MC | 560 ± 20%       | 100                   | 5.430          | 0.18                   |
| SDRH64B-681MC | 680 ± 20%       | 100                   | 7.320          | 0.17                   |
| SDRH64B-821MC | 820 ± 20%       | 100                   | 8.240          | 0.15                   |
| SDRH64B-102MC | 1,000 ± 20%     | 100                   | 9.260          | 0.14                   |

#### 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