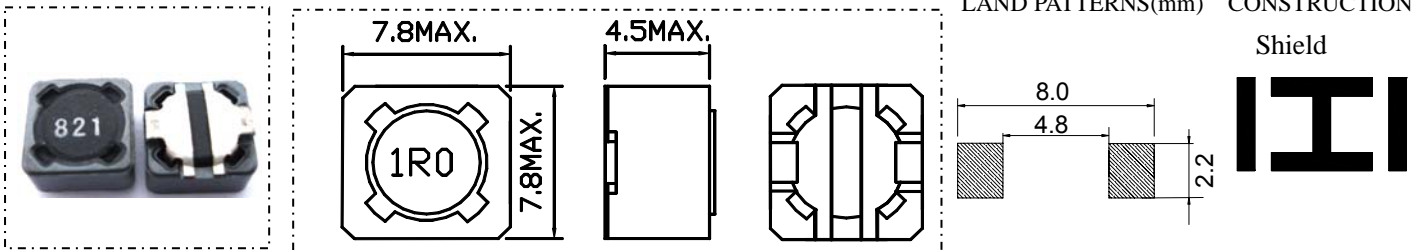


SDRH74B

Inductance Range: 1.0 μ H~1000 μ H
Temperature Range: -40 $^{\circ}$ C~+105 $^{\circ}$ C

DIMENSIONS(mm)



FEATURES:

- ★Quantity / Reel: 1000pcs
- ★High current & low DCR, Quadrate 7.8mm Max, Height 4.5mm Max.
- ★The use of carrier tape package for SMT reflow soldering process
- ★Widely use in DC-DC converter/LCD TV/Notebook/ PDA /Digital camera/DVD etc.
- ★Design to customer requirement

RoHS Compliant(SGS Certified Result)

| | | | | | |
|----------|----|------|------|-------|--|
| Pb | Cd | Cr+6 | PBBs | PBDEs | |
| <1000ppm | ND | ND | ND | ND | |

Electrical Characteristics:

| Part Number | Test Condition | Inductance (μ H) | Tolerance (%) | D.C.R(Ω) Max. | Isat1(A) @L-Drop10% (Max.) | Isat2(A) @L-Drop35% (Max.) | I rms(A) @ Δ T=40 $^{\circ}$ C (Max.) |
|----------------|----------------|-----------------------|--------------------|------------------------|----------------------------|----------------------------|--|
| SDRH74B-1R0M,N | 100KHz/0.3V | 1.0 | \pm 20, \pm 30 | 13m | 9.50 | 10.50 | 8.40 |
| SDRH74B-1R8M,N | 100KHz/0.3V | 1.8 | \pm 20, \pm 30 | 17m | 7.70 | 8.60 | 6.40 |
| SDRH74B-2R2M,N | 100KHz/0.3V | 2.2 | \pm 20, \pm 30 | 19m | 6.80 | 7.50 | 6.00 |
| SDRH74B-3R3M,N | 100KHz/0.3V | 3.3 | \pm 20, \pm 30 | 27m | 6.00 | 6.50 | 6.40 |
| SDRH74B-3R9M,N | 100KHz/0.3V | 3.9 | \pm 20, \pm 30 | 30m | 5.40 | 6.00 | 5.60 |
| SDRH74B-4R7M,N | 100KHz/0.3V | 4.7 | \pm 20, \pm 30 | 34m | 5.00 | 5.50 | 5.60 |
| SDRH74B-5R6M,N | 100KHz/0.3V | 5.6 | \pm 20, \pm 30 | 42m | 4.10 | 5.00 | 4.80 |
| SDRH74B-6R8M,N | 100KHz/0.3V | 6.8 | \pm 20, \pm 30 | 48m | 3.80 | 4.50 | 4.80 |
| SDRH74B-8R2M,N | 100KHz/0.3V | 8.2 | \pm 20, \pm 30 | 58m | 3.60 | 4.10 | 4.40 |
| SDRH74B-100M | 1KHz/0.3V | 10 | \pm 20 | 67m | 2.55 | 3.50 | 4.00 |
| SDRH74B-150M | 1KHz/0.3V | 15 | \pm 20 | 95m | 2.40 | 3.30 | 3.60 |
| SDRH74B-180M | 1KHz/0.3V | 18 | \pm 20 | 117m | 2.10 | 2.90 | 3.20 |
| SDRH74B-220M | 1KHz/0.3V | 22 | \pm 20 | 136m | 2.00 | 2.60 | 3.04 |
| SDRH74B-270M | 1KHz/0.3V | 27 | \pm 20 | 147m | 1.90 | 2.40 | 2.56 |
| SDRH74B-330M | 1KHz/0.3V | 33 | \pm 20 | 182m | 1.65 | 2.10 | 2.24 |
| SDRH74B-390M | 1KHz/0.3V | 39 | \pm 20 | 196m | 1.55 | 2.00 | 2.00 |
| SDRH74B-470M | 1KHz/0.3V | 47 | \pm 20 | 0.240 | 1.50 | 1.82 | 2.00 |
| SDRH74B-560M | 1KHz/0.3V | 56 | \pm 20 | 0.300 | 1.35 | 1.60 | 1.76 |
| SDRH74B-680M | 1KHz/0.3V | 68 | \pm 20 | 0.350 | 1.25 | 1.50 | 1.76 |
| SDRH74B-820M | 1KHz/0.3V | 82 | \pm 20 | 0.470 | 1.10 | 1.30 | 1.60 |
| SDRH74B-101M | 1KHz/0.3V | 100 | \pm 20 | 0.590 | 1.00 | 1.18 | 1.28 |
| SDRH74B-151M | 1KHz/0.3V | 150 | \pm 20 | 0.920 | 0.75 | 0.90 | 0.96 |
| SDRH74B-181M | 1KHz/0.3V | 180 | \pm 20 | 1.030 | 0.74 | 0.86 | 0.96 |
| SDRH74B-221M | 1KHz/0.3V | 220 | \pm 20 | 1.250 | 0.70 | 0.77 | 0.88 |
| SDRH74B-271M | 1KHz/0.3V | 270 | \pm 20 | 1.560 | 0.63 | 0.70 | 0.80 |
| SDRH74B-331M | 1KHz/0.3V | 330 | \pm 20 | 1.940 | 0.59 | 0.65 | 0.72 |
| SDRH74B-391M | 1KHz/0.3V | 390 | \pm 20 | 2.500 | 0.50 | 0.59 | 0.57 |
| SDRH74B-471M | 1KHz/0.3V | 470 | \pm 20 | 2.800 | 0.45 | 0.54 | 0.60 |
| SDRH74B-561M | 1KHz/0.3V | 560 | \pm 20 | 3.600 | 0.42 | 0.50 | 0.56 |
| SDRH74B-681M | 1KHz/0.3V | 680 | \pm 20 | 4.020 | 0.40 | 0.44 | 0.48 |
| SDRH74B-821M | 1KHz/0.3V | 820 | \pm 20 | 4.560 | 0.35 | 0.40 | 0.44 |
| SDRH74B-102M | 1KHz/0.3V | 1000 | \pm 20 | 6.050 | 0.28 | 0.35 | 0.38 |

- 1、Inductance is measured with a LCR meter:HP4284A & 3532-50 or equivalent.
- 2、D.C .R is measured with a Digital Multimeter TH2512B or equivalent.
- 3、The Isat1 is the current at which the inductance decreases by 10% from the initial value
- 4、The Isat2 is the current at which the inductance decreases by 35% from the initial value
- 5、The I rms by Stand-Type is the current at which the temperature rise is Δ T \leq 40 $^{\circ}$ C, whichever (Ta=20 $^{\circ}$ C)