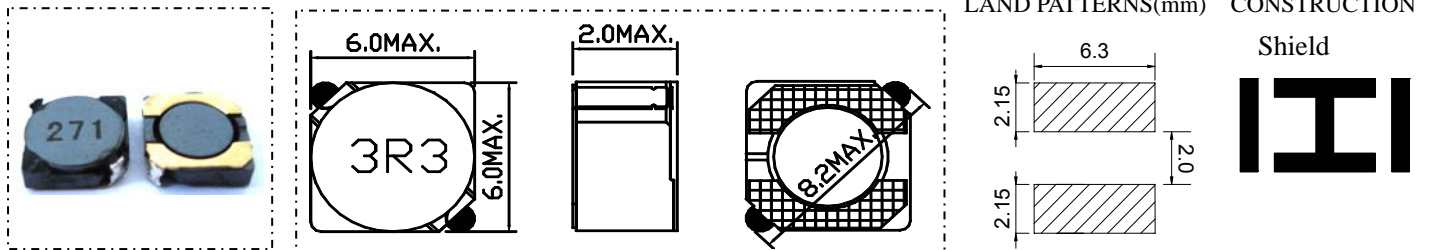


EDRH5D18

Inductance Range: 3.3 μ H~330 μ H

Temperature Range: -40 $^{\circ}$ C~+105 $^{\circ}$ C

DIMENSIONS(mm)



FEATURES:

- ★Quantity / Reel: 2500pcs
- ★Small products, Quadrate 6.0mm Max, Height 1.8mm Typ.
- ★The use of carrier tape package for SMT reflow soldering process
- ★Widely use in DC-DC converter/LCD TV/Notebook/ PDA/MP3 & MP4 player/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. | Rated Current(A) |
|-----------------|----------------|-----------------------|------------------|------------------------|------------------|
| EDRH5D18-3R3M,N | 10KHz/0.1V | 3.3 | $\pm 20, \pm 30$ | 47m | 2.07 |
| EDRH5D18-4R1M,N | 10KHz/0.1V | 4.1 | $\pm 20, \pm 30$ | 57m | 1.95 |
| EDRH5D18-5R4M,N | 10KHz/0.1V | 5.4 | $\pm 20, \pm 30$ | 76m | 1.60 |
| EDRH5D18-6R2M,N | 10KHz/0.1V | 6.2 | $\pm 20, \pm 30$ | 96m | 1.40 |
| EDRH5D18-6R8M,N | 10KHz/0.1V | 6.8 | $\pm 20, \pm 30$ | 96m | 1.30 |
| EDRH5D18-8R9M,N | 10KHz/0.1V | 8.9 | $\pm 20, \pm 30$ | 0.116 | 1.25 |
| EDRH5D18-100M,N | 10KHz/0.1V | 10 | $\pm 20, \pm 30$ | 0.124 | 1.20 |
| EDRH5D18-120M,N | 10KHz/0.1V | 12 | $\pm 20, \pm 30$ | 0.153 | 1.10 |
| EDRH5D18-150M,N | 10KHz/0.1V | 15 | $\pm 20, \pm 30$ | 0.196 | 0.97 |
| EDRH5D18-180M,N | 10KHz/0.1V | 18 | $\pm 20, \pm 30$ | 0.210 | 0.85 |
| EDRH5D18-220M,N | 10KHz/0.1V | 22 | $\pm 20, \pm 30$ | 0.290 | 0.80 |
| EDRH5D18-270M,N | 10KHz/0.1V | 27 | $\pm 20, \pm 30$ | 0.330 | 0.75 |
| EDRH5D18-330M,N | 10KHz/0.1V | 33 | $\pm 20, \pm 30$ | 0.386 | 0.65 |
| EDRH5D18-390M,N | 10KHz/0.1V | 39 | $\pm 20, \pm 30$ | 0.520 | 0.57 |
| EDRH5D18-470M,N | 10KHz/0.1V | 47 | $\pm 20, \pm 30$ | 0.595 | 0.54 |
| EDRH5D18-560M,N | 10KHz/0.1V | 56 | $\pm 20, \pm 30$ | 0.665 | 0.50 |
| EDRH5D18-680M,N | 10KHz/0.1V | 68 | $\pm 20, \pm 30$ | 0.840 | 0.43 |
| EDRH5D18-820M,N | 10KHz/0.1V | 82 | $\pm 20, \pm 30$ | 0.978 | 0.41 |
| EDRH5D18-101M,N | 10KHz/0.1V | 100 | $\pm 20, \pm 30$ | 1.200 | 0.36 |
| EDRH5D18-121M,N | 10KHz/0.1V | 120 | $\pm 20, \pm 30$ | 1.500 | 0.33 |
| EDRH5D18-151M,N | 10KHz/0.1V | 150 | $\pm 20, \pm 30$ | 1.710 | 0.31 |
| EDRH5D18-181M,N | 10KHz/0.1V | 180 | $\pm 20, \pm 30$ | 2.240 | 0.28 |
| EDRH5D18-221M,N | 10KHz/0.1V | 220 | $\pm 20, \pm 30$ | 2.440 | 0.23 |
| EDRH5D18-271M,N | 10KHz/0.1V | 270 | $\pm 20, \pm 30$ | 3.380 | 0.21 |
| EDRH5D18-331M,N | 10KHz/0.1V | 330 | $\pm 20, \pm 30$ | 4.340 | 0.18 |

- 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、 Rated Current: The rated current is the current at which the inductance decreases by 35% from the initial value or the temperature rise is $\Delta T=40^{\circ}$ C ,whichever is smaller($T_a=20^{\circ}$ C).