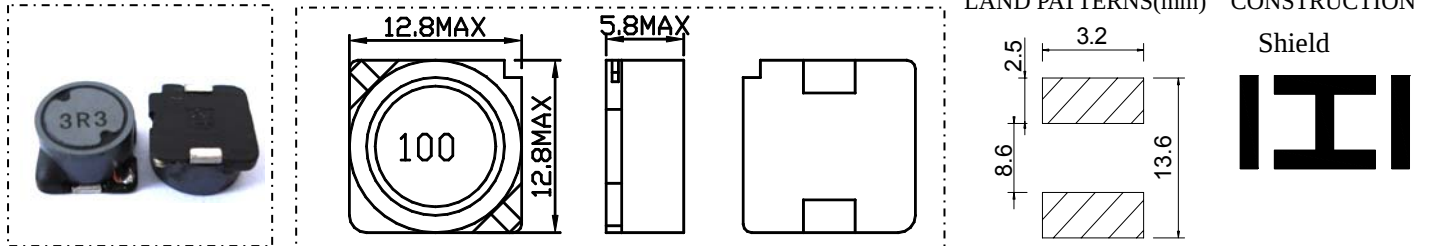


## EDRB1255

**Inductance Range:** 10 $\mu$ H~1500 $\mu$ H

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

## DIMENSIONS(mm)



## FEATURES:

- ★Quantity / Reel: 500pcs
- ★High current & low DCR, Quadrate 12.8mm Max, Height 5.5mm Typ.
- ★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 ( $\mu$ H) | Tolerance (%) | D.C.R( $\Omega$ ) Max. | Rated Current(A) |
|---------------|----------------|-----------------------|---------------|------------------------|------------------|
| EDRB1255-100M | 1KHz/0.3V      | 10                    | $\pm 20$      | 25.80m                 | 3.40             |
| EDRB1255-150M | 1KHz/0.3V      | 15                    | $\pm 20$      | 31.08m                 | 2.80             |
| EDRB1255-220M | 1KHz/0.3V      | 22                    | $\pm 20$      | 40.56m                 | 2.30             |
| EDRB1255-330M | 1KHz/0.3V      | 33                    | $\pm 20$      | 49.80m                 | 1.90             |
| EDRB1255-470M | 1KHz/0.3V      | 47                    | $\pm 20$      | 74.16m                 | 1.60             |
| EDRB1255-680M | 1KHz/0.3V      | 68                    | $\pm 20$      | 99.84m                 | 1.30             |
| EDRB1255-101M | 1KHz/0.3V      | 100                   | $\pm 20$      | 0.140                  | 1.10             |
| EDRB1255-151M | 1KHz/0.3V      | 150                   | $\pm 20$      | 0.228                  | 0.88             |
| EDRB1255-221M | 1KHz/0.3V      | 220                   | $\pm 20$      | 0.324                  | 0.72             |
| EDRB1255-331M | 1KHz/0.3V      | 330                   | $\pm 20$      | 0.492                  | 0.59             |
| EDRB1255-471M | 1KHz/0.3V      | 470                   | $\pm 20$      | 0.624                  | 0.49             |
| EDRB1255-681M | 1KHz/0.3V      | 680                   | $\pm 20$      | 0.912                  | 0.43             |
| EDRB1255-102M | 1KHz/0.3V      | 1000                  | $\pm 20$      | 1.344                  | 0.34             |
| EDRB1255-152M | 1KHz/0.3V      | 1500                  | $\pm 20$      | 2.076                  | 0.29             |

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 25% from the initial value or the temperature rise is  $\Delta T=40^{\circ}$ C ,whichever is smaller( $T_a=20^{\circ}$ C).