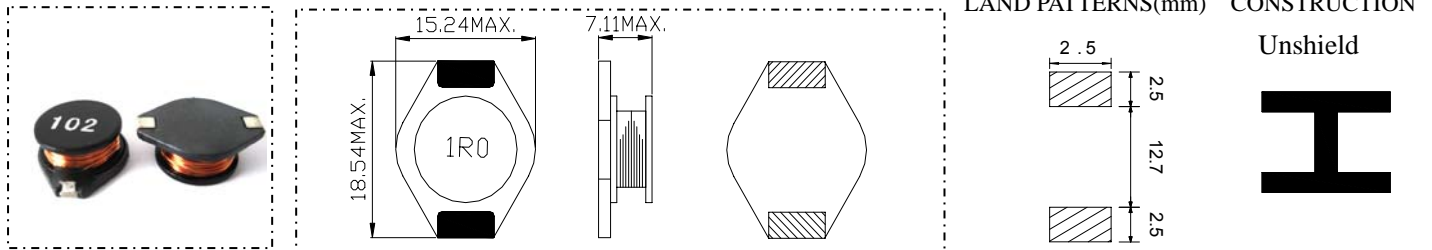


## EDBE1807B

**Inductance Range:** 1.0 $\mu$ H~1000 $\mu$ H

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

### DIMENSIONS(mm)



### FEATURES:

- ★Quantity / Reel: 400pcs
- ★High current & low DCR, Elliptic 15.24mm\*18.54mm, Height 6.50mm 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	
					Isat(A)	Irms(A)
EDBE1807B-1R0N	100KHz/1.0V	1.0	$\pm$ 30	9m	20.00	8.60
EDBE1807B-2R2M	100KHz/1.0V	2.2	$\pm$ 20	14m	16.00	7.10
EDBE1807B-3R3N	100KHz/1.0V	3.3	$\pm$ 30	18m	14.00	6.20
EDBE1807B-5R6M	100KHz/1.0V	5.6	$\pm$ 20	20m	12.00	5.30
EDBE1807B-100M	100KHz/1.0V	10	$\pm$ 20	31m	10.00	4.30
EDBE1807B-150M	100KHz/1.0V	15	$\pm$ 20	36m	8.00	4.00
EDBE1807B-220M	100KHz/1.0V	22	$\pm$ 20	47m	7.00	3.50
EDBE1807B-330M	100KHz/1.0V	33	$\pm$ 20	66m	5.50	3.00
EDBE1807B-470M	100KHz/1.0V	47	$\pm$ 20	86m	4.50	2.60
EDBE1807B-680M	100KHz/1.0V	68	$\pm$ 20	130m	3.50	2.30
EDBE1807B-101M	100KHz/1.0V	100	$\pm$ 20	190m	3.00	1.80
EDBE1807B-151M	100KHz/1.0V	150	$\pm$ 20	250m	2.60	1.50
EDBE1807B-221M	100KHz/1.0V	220	$\pm$ 20	0.380	2.40	1.20
EDBE1807B-331M	100KHz/1.0V	330	$\pm$ 20	0.560	1.90	1.00
EDBE1807B-471M	100KHz/1.0V	470	$\pm$ 20	0.850	1.40	0.82
EDBE1807B-681M	100KHz/1.0V	680	$\pm$ 20	1.100	1.20	0.72
EDBE1807B-102M	100KHz/1.0V	1000	$\pm$ 20	1.800	1.00	0.56

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 Isat is the current at which the inductance decreases by 10% from the initial value
4. The Irms by Stand-Type is the current at which the temperature rise is  $\Delta T \leq 40^{\circ}$ C, whichever ( $T_a = 20^{\circ}$ C)