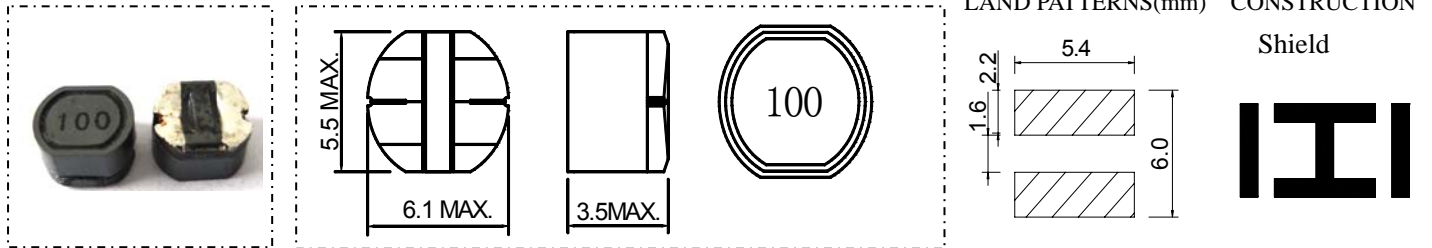


## EDR53

**Inductance Range:** 10 $\mu$ H~68 $\mu$ H

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

### DIMENSIONS(mm)



### FEATURES:

- ★Quantity / Reel: 2000pcs
- ★Small products, Round 5.8mm, Height 3.2mm 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 ( $\mu$ H)	Tolerance (%)	D.C.R( $\Omega$ ) Max.	Rated Current(A)
EDR53-100M	1KHz/0.3V	10	$\pm$ 20	0.14	1.00
EDR53-120M	1KHz/0.3V	12	$\pm$ 20	0.16	0.94
EDR53-150M	1KHz/0.3V	15	$\pm$ 20	0.18	0.86
EDR53-180M	1KHz/0.3V	18	$\pm$ 20	0.25	0.78
EDR53-220M	1KHz/0.3V	22	$\pm$ 20	0.32	0.76
EDR53-270M	1KHz/0.3V	27	$\pm$ 20	0.36	0.64
EDR53-330L,M	1KHz/0.3V	33	$\pm$ 15, $\pm$ 20	0.41	0.61
EDR53-390L,M	1KHz/0.3V	39	$\pm$ 15, $\pm$ 20	0.47	0.53
EDR53-470L,M	1KHz/0.3V	47	$\pm$ 15, $\pm$ 20	0.51	0.50
EDR53-560L,M	1KHz/0.3V	56	$\pm$ 15, $\pm$ 20	0.72	0.46
EDR53-680L,M	1KHz/0.3V	68	$\pm$ 15, $\pm$ 20	0.82	0.42

- 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).