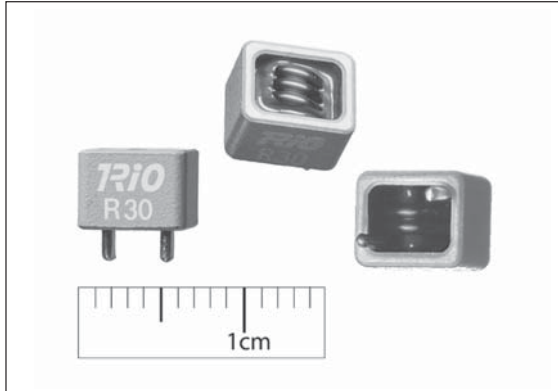


DIP POWER INDUCTORS (LD SERIES)

trio



● PART NUMBERING

LD - □□□ □ □□ □ □□
(1) (2) (3) (4) (5) (6)

- (1) Series
- (2) Inductance
- (3) Tolerance
- (4) Dimension
- (5) Material
- (6) Internal Serial No.

● FEATURES

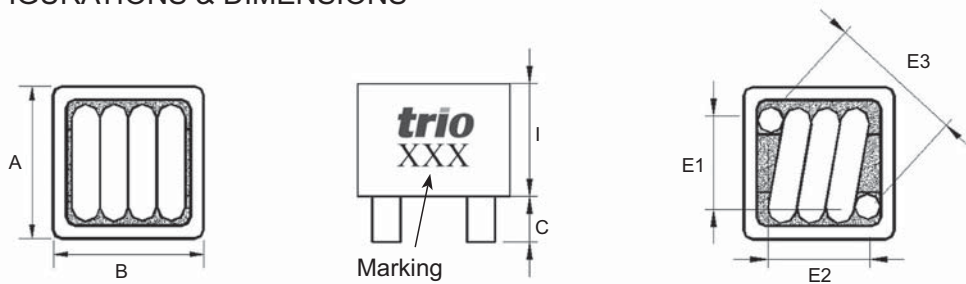
- High current inductors low voltage.
- Low radiation and low core loss.
- Less flux leakage and beat.
- Low DCR.
- Available in tape and reel package.

● APPLICATIONS

- High Frequency SMP
- Switching Power Supplies
- Countermeasure against spike ripples
- EMI/RFI Filters
- High current DC/DC Converters for Desktops & Servers
- Input & Output Devices

LD
07

● CONFIGURATIONS & DIMENSIONS



Unit : mm

SERIES	A	B	C	E1	E2	E3	I
LD-180	12.0 Max.	12.0 Max.	3.4±0.5	5.7±0.5	6.3±0.5	8.5±0.5	9.0 Max.

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	DCR (Ω , Max.)	Isat (A, Max.)	Irms (A, Max.)
LD-30B□180□□	KIG1108-R30□	0.30	0.0086	50	38
LD-60B□180□□	KIG1108-R60□	0.60	0.0086	50	38
LD-12A□180□□	KIG1108-1R2□	1.20	0.0032	30	20
LD-20A□180□□	KIG1108-2R0□	2.00	0.0035	30	21
LD-25A□180□□	KIG1108-2R5□	2.50	0.0048	28	15

- Tested at 25°C, 100 KHz, 1V.
- Temperature rise : 40°C Typ. at Irms
- Inductance drop : 20% Typ. at Isat
- Operating temperature : -55°C to +105°C
- Storage temperature : -40°C to +85°C