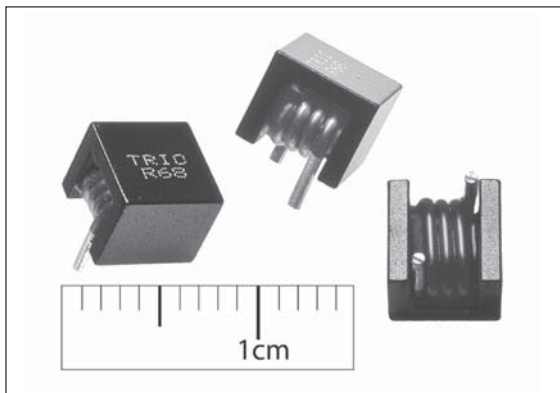


DIP POWER INDUCTORS (LD SERIES)

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

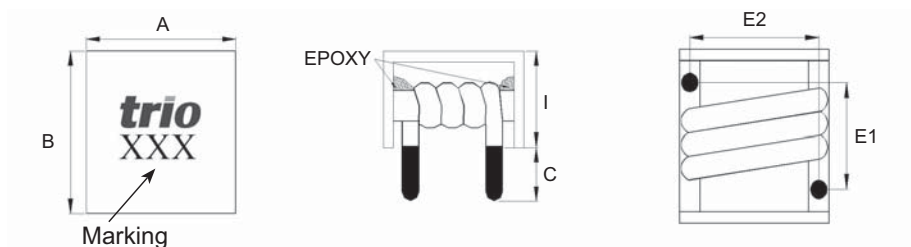
- High current inductors low voltage.
- Low radiation and low core loss.
- Less flux leakage and beat.
- Low DCR.
- Available in tape and reel package.

● 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
03

● CONFIGURATIONS & DIMENSIONS



Unit : mm

SERIES	A	B	C	E1	E2	I
LD-160	8.50 Max.	8.30 Max.	3.4±0.5	2.7±0.5	6.5±0.5	9.70 Max.
LD-210	10.0 Max.	10.0 Max.	3.4±0.5	4.0±0.5	7.0±0.5	10.0 Max.
LD-110	11.5 Max.	11.7 Max.	3.4±0.5	5.3±0.5	9.3±0.5	9.60 Max.

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	DCR (Ω , Max.)	Isat (A, Max.)	Irms (A, Max.)
LD-27B□160□□	MIG0809-R27□	0.27	0.0012	30	25
LD-29B□160□□	MIG0809-R29□	0.29	0.0012	30	25
LD-47B□160□□	MIG0809-R47□	0.47	0.0015	30	25
LD-48B□160□□	MIG0809-R48□	0.48	0.0030	28	23
LD-56B□160□□	MIG0809-R56□	0.56	0.0015	25	20
LD-33B□210□□	MIG0909-R33□	0.33	0.0010	35	30
LD-39B□210□□	MIG0909-R39□	0.39	0.0010	35	30
LD-47B□210□□	MIG0909-R47□	0.47	0.0012	35	30
LD-68B□210□□	MIG0909-R68□	0.68	0.0017	35	30
LD-10A□210□□	MIG0909-1R0□	1.00	0.0028	20	15
LD-30B□110□□	MIG1109-R30□	0.30	0.0080	40	35
LD-33B□110□□	MIG1109-R33□	0.33	0.0011	31	25
LD-36B□110□□	MIG1109-R36□	0.36	0.0012	31	25
LD-39B□110□□	MIG1109-R39□	0.39	0.00095	35	30
LD-47B□110□□	MIG1109-R47□	0.47	0.0011	40	35
LD-56B□110□□	MIG1109-R56□	0.56	0.0011	35	30
LD-68B□110□□	MIG1109-R68□	0.68	0.0017	30	25
LD-12A□110□□	MIG1109-1R2□	1.20	0.0040	21	18

- 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

LD
04