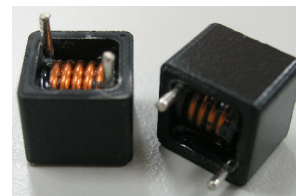


Power Inductor

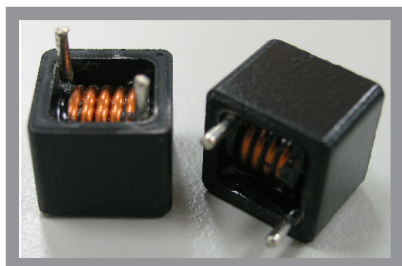
DIP / Assembly Type



BDRI series

FEATURES

1. Lowest height (10.0mm/max) in this package footprint.
2. Shielded construction.
3. Lowest DCR/ μ H, in this package size.
4. Handles high transient current spikes without saturation.
5. Ultra low buzz noise due to composite construction.
6. 100% Lead(Pb) & Halogen-Free and RoHS compliant.

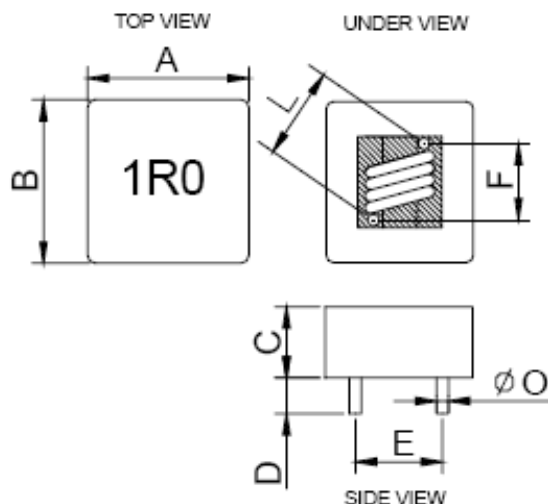


APPLICATIONS

1. Notebook/Desktop/Server applications.
2. High current POL converters.
3. Low profile, high current power supplies.
4. DC/DC converters in distributed power systems.
5. DC/DC converter for Field Programmable Gate Array (FPGA).

PARTNUMBER

DIMENSIONS



BDRI	109N	—	R50	M	C	F	V
A	B	C	D	E	F	G	

- A: Series
 B: Size
 C: Inductance
 D: Tolerance
 E: Coating
 F: Lead Free Code
 G: ID Code

Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	L(mm)	O(mm)
BDRI109N	10.5 max	10.5 max	10.0 max	3.5 $\pm$ 0.5	5.7 $\pm$ 0.5	5.7 $\pm$ 0.5	8.1 $\pm$ 0.5	1.2 $\pm$ 0.1
BDRI119N	11.5 max	11.5 max	10.5 max	3.4 $\pm$ 0.5	6.4 $\pm$ 0.5	6.3 $\pm$ 0.5	9.0 $\pm$ 0.5	1.3 $\pm$ 0.1
BDRI129N	12.5 max	12.5 max	10.0 max	3.5 $\pm$ 0.5	7.0 $\pm$ 0.5	6.7 $\pm$ 0.5		1.1 $\pm$ 0.1

BDRI 109N

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR	Irms (A)	Isat (A)
			m Ω $\pm$ 10%		
BDRI109N-R50MC	0.5	$\pm$ 20%	1.06	35	40
BDRI109N-1R2MC	1.2	$\pm$ 20%	1.8	28	36
BDRI109N-1R5MC	1.5	$\pm$ 20%	1.8	24	24

BDRI 119N

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR	Irms (A)	Isat (A)
			m Ω $\pm$ 10%		
BDRI119N-R47MC	0.47	$\pm$ 20%	0.78	35	50
BDRI119N-R60MC	0.6	$\pm$ 20%	0.78	32	42
BDRI119N-1R0MC	1	$\pm$ 20%	1.3	30	38
BDRI119N-2R0MC	2	$\pm$ 20%	2.14	21	21

BDRI 129N

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR	Irms (A)	Isat (A)
			m Ω $\pm$ 10%		
BDRI129N-R60MVC	0.6	$\pm$ 20%	0.85	38	40

