

Power Inductor

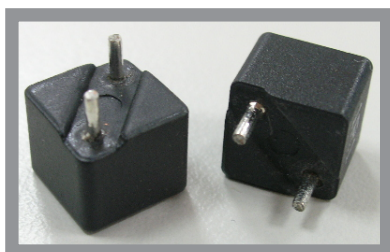
DIP /Molding Type



BDMI series

FEATURES

1. Lowest height (10mm/max) in this package footprint.
2. Shielded Molding construction.
3. Lowest DCR/ μ H, in this package size.
4. Frequency up to 1MHz.
5. 100% Lead(Pb)-Free and RoHS compliant.

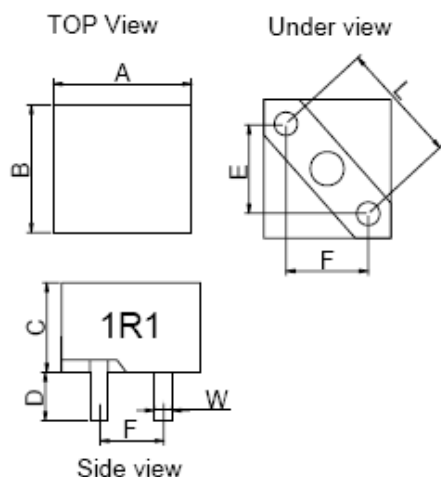


APPLICATIONS

1. Notebook/Desktop/Server applications.
2. DC/DC converters in distributed power systems.
3. DC/DC converter for Field Programmable Gate Array (FPGA).

PARTNUMBER

DIMENSIONS



BDMI	089E	—	R20	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)
BDMI089E	8.5 max	8.0 max	9.0 max	3.4 $\pm$ 0.5	6.3 $\pm$ 0.5	2.7 $\pm$ 0.5	6.85 $\pm$ 0.5
BDMI109E	10.5 max	10.5 max	10.0 max	3.4 $\pm$ 0.5	5.3 $\pm$ 0.5	5.3 $\pm$ 0.5	7.5 $\pm$ 0.5
BDMI119E	11.5 max	11.5 max	10.5 max	3.4 $\pm$ 0.5	6.6 $\pm$ 0.5	6.6 $\pm$ 0.5	9.3 $\pm$ 0.5
BDMI129E	12.5 max	12.5 max	10.5 max	3.4 $\pm$ 0.5	6.0 $\pm$ 0.5	7.3 $\pm$ 0.5	9.45 $\pm$ 0.5

BDMI 089E

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR	Irms (A)	Isat (A)
			m Ω $\pm$ 10%		
BDMI089E-R20MC	0.2	$\pm$ 20%	0.45	34	45
BDMI089E-R60MC	0.6	$\pm$ 20%	1.3	24	30
BDMI089E-1R0MC	1	$\pm$ 20%	2.3	20	25

BDMI 109E

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR	Irms (A)	Isat (A)
			m Ω $\pm$ 10%		
BDMI109E-R30MC	0.3	$\pm$ 20%	0.55	34	50
BDMI109E-R47MC	0.47	$\pm$ 20%	0.9	30	42
BDMI109E-R60MC	0.6	$\pm$ 20%	0.9	28	38
BDMI109E-1R0MC	1	$\pm$ 20%	1.6	25	35

BDMI 119E

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR	Irms (A)	Isat (A)
			m Ω $\pm$ 10%		
BDMI119E-R30MC	0.3	$\pm$ 20%	0.56	36	60
BDMI119E-R47MC	0.47	$\pm$ 20%	0.56	34	55
BDMI119E-R68MC	0.68	$\pm$ 20%	0.75	32	50
BDMI119E-1R2MC	1.2	$\pm$ 20%	1.85	25	40

BDMI 129E

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR	Irms (A)	Isat (A)
			m Ω $\pm$ 10%		
BDMI129E-R30MC	0.3	$\pm$ 20%	0.5	38	55
BDMI129E-R47MC	0.47	$\pm$ 20%	0.5	34	50
BDMI129E-R60MC	0.6	$\pm$ 20%	0.68	32	45