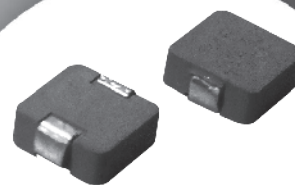


Power Inductor

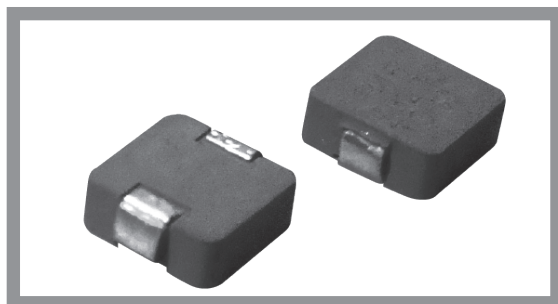
SMD /Molding Type



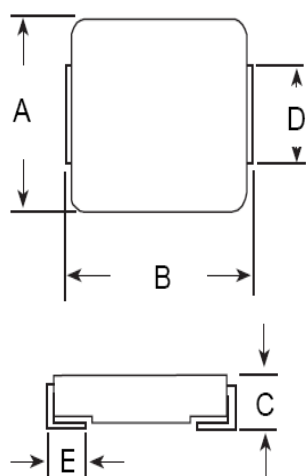
BSMI series

FEATURES

1. Operating temperature -55 to +125 °C.
2. High performance (saturation current) due to powdered iron composition.
3. Low loss due to design of low DC resistance.
4. Frequency application up to 3MHz.
5. Low profile with max thickness 3.0mm.
6. 100% lead free and metted RoHS standard.
7. Excellent solderability and resistance to soldering heat .
8. Suitable for reflow soldering.
9. High reliability and easy surface mount assembly.



DIMENSIONS



APPLICATIONS

- DC/DC converters in Notebook, Netbook, desktop and server and low profile, high current power supplies.

PARTNUMBER

- A: PRODUCT FAMILY
 B: SIZE
 C: INDUCTANCE VALUE
 D: TOLERANCE
 E: COATING
 F: Lead Free
 G: ID CODE

BSMI	0420	-	R10	M	C	F	V
A	B		C	D	E	F	G

Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
0420	4.3 max.	4.7 max.	2.0 max.	2.0±0.05	0.76±0.30
0520	5.4 max.	5.7 max.	2.0 max.	2.54±0.25	1.02±0.30
0530	5.4 max.	5.7 max.	3.0 max.	2.54±0.25	1.02±0.30
0618	6.7 max.	7.2 max.	1.8 max.	3.18±0.3	1.27±0.30
0624	6.7 max.	7.2 max.	2.4 max.	3.18±0.3	1.27±0.30
0630	6.7 max.	7.2 max.	3.0 max.	3.18±0.3	1.27±0.30
1040	10.3 max.	11.2 max.	4.0 max.	3.0±0.3	2.0±0.30
1230	12.9 max.	13.7 max.	3.5 max.	4.7±0.3	2.3±0.30
1250	12.9 max.	13.7 max.	5.0 max.	4.7±0.3	2.3±0.30
1260	12.9 max.	13.7 max.	6.5 max.	4.7±0.3	2.3±0.30

BSMI0420

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR		Irms (A)	Isat (A)
			Typ.m Ω	Max.m Ω		
BSMI0420-R10MC	0.1	$\pm 20\%$	3.5	4.0	22.0	12.0
BSMI0420-R22MC	0.22	$\pm 20\%$	6.0	6.6	12.5	9.0
BSMI0420-R47MC	0.47	$\pm 20\%$	12.5	14.0	9.5	7.0
BSMI0420-1R0MC	1.0	$\pm 20\%$	24.0	27.0	7.0	4.5
BSMI0420-2R2MC	2.2	$\pm 20\%$	52.0	58.0	5.0	3.0
BSMI0420-4R7MC	4.7	$\pm 20\%$	95.0	105.0	1.7	1.8

BSMI0520

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR		Irms (A)	Isat (A)
			Typ.m Ω	Max.m Ω		
BSMI0520-R10MC	0.1	$\pm 20\%$	2.7	2.9	21	25
BSMI0520-R22MC	0.22	$\pm 20\%$	4.1	4.5	17	13
BSMI0520-R33MC	0.33	$\pm 20\%$	5.5	5.9	13	7.5
BSMI0520-R47MC	0.47	$\pm 20\%$	7.1	7.7	12.5	8
BSMI0520-1R0MC	1	$\pm 20\%$	16.8	18.1	7.5	7
BSMI0520-2R2MC	2.2	$\pm 20\%$	34.9	37.7	5	5.5
BSMI0520-3R3MC	3.3	$\pm 20\%$	53.5	57.8	4.1	4.7
BSMI0520-4R7MC	4.7	$\pm 20\%$	75.3	81.3	3.2	3
BSMI0520-5R6MC	5.6	$\pm 20\%$	85.2	92	3	2.2
BSMI0520-6R8MC	6.8	$\pm 20\%$	114	121	2.8	2.1
BSMI0520-10RMC	10	$\pm 20\%$	169.3	182.8	2.2	2

BSMI0530

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR		Irms (A)	Isat (A)
			Typ.m Ω	Max.m Ω		
BSMI0530-R10MC	0.1	$\pm 20\%$	2.6	2.9	21	25
BSMI0530-R22MC	0.22	$\pm 20\%$	3.5	3.9	21	14.5
BSMI0530-R33MC	0.33	$\pm 20\%$	4.5	5	16.5	9
BSMI0530-R47MC	0.47	$\pm 20\%$	5.4	6	14	9
BSMI0530-1R0MC	1	$\pm 20\%$	10	11	10	6.5
BSMI0530-1R5MC	1.5	$\pm 20\%$	17.1	18.5	7.5	7
BSMI0530-2R2MC	2.2	$\pm 20\%$	22.5	25	6.75	5.5
BSMI0530-3R3MC	3.3	$\pm 20\%$	36.4	40.4	5.5	7
BSMI0530-4R7MC	4.7	$\pm 20\%$	54	60	4.5	5.2
BSMI0530-5R6MC	5.6	$\pm 20\%$	63	70.6	4.25	3.5
BSMI0530-10RMC	10	$\pm 20\%$	122.1	131.9	2.75	2.25
BSMI0530-22RMC	22	$\pm 20\%$	260	270	1.9	1.7

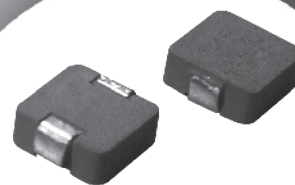
BSMI0618

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR		Irms (A)	Isat (A)
			Typ.m Ω	Max.m Ω		
BSMI0618-R10MC	0.1	$\pm 20\%$	3	3.5	18	40
BSMI0618-R15MC	0.15	$\pm 20\%$	4.7	5.2	15	38
BSMI0618-R22MC	0.22	$\pm 20\%$	5.3	5.7	14	26
BSMI0618-R33MC	0.33	$\pm 20\%$	6.6	7	12	18
BSMI0618-R47MC	0.47	$\pm 20\%$	8.4	9.3	11	18
BSMI0618-R68MC	0.68	$\pm 20\%$	12.7	13.9	9	17
BSMI0618-R82MC	0.82	$\pm 20\%$	13.8	15.9	8	17
BSMI0618-1R0MC	1	$\pm 20\%$	17.5	18.3	7	14
BSMI0618-1R5MC	1.5	$\pm 20\%$	32.6	34	4	11.5
BSMI0618-2R2MC	2.2	$\pm 20\%$	40.3	46	3.75	13
BSMI0618-2R5MC	2.5	$\pm 20\%$	49.9	52.4	3.5	10.4
BSMI0618-3R3MC	3.3	$\pm 20\%$	56.2	60.1	3.25	10
BSMI0618-4R7MC	4.7	$\pm 20\%$	76.6	78	3	8



Power Inductor

SMD /Molding Type



BSMI0624

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR		Irms (A)	Isat (A)
			Typ.m Ω	Max.m Ω		
BSMI0624-R10MC	0.1	$\pm 20\%$	1.5	1.7	30.0	50.0
BSMI0624-R22MC	0.22	$\pm 20\%$	2.9	3.2	21.0	34.0
BSMI0624-R33MC	0.33	$\pm 20\%$	3.7	4.1	18.0	22.0
BSMI0624-R47MC	0.47	$\pm 20\%$	6.0	6.5	13.5	21.0
BSMI0624-R68MC	0.68	$\pm 20\%$	8.7	9.4	11.0	18.0
BSMI0624-R82MC	0.82	$\pm 20\%$	10.6	11.8	10.0	17.0
BSMI0624-1R0MC	1	$\pm 20\%$	13.1	14.2	9.0	16.0
BSMI0624-1R5MC	1.5	$\pm 20\%$	18.5	21.2	7.5	15.0
BSMI0624-2R2MC	2.2	$\pm 20\%$	28.0	34.0	6.5	14.0
BSMI0624-3R3MC	3.3	$\pm 20\%$	36.5	51.6	5.0	13.0
BSMI0624-4R7MC	4.7	$\pm 20\%$	45.2	63.0	4.5	10.0
BSMI0624-6R8MC	6.8	$\pm 20\%$	72.5	95.0	3.5	9.0
BSMI0624-8R2MC	8.2	$\pm 20\%$	84.2	106.0	3.0	8.0
BSMI0624-10RMC	10	$\pm 20\%$	115.6	129.0	2.5	7.0

BSMI0630

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR		Irms (A)	Isat (A)
			Typ.m Ω	Max.m Ω		
BSMI0630-1R0MC	1	$\pm 20\%$	7.6	8.0	12.5	9.5
BSMI0630-2R2MC	2.2	$\pm 20\%$	15.7	16.5	9.0	7.0
BSMI0630-3R3MC	3.3	$\pm 20\%$	24.8	26.0	7.0	6.5
BSMI0630-4R7MC	4.7	$\pm 20\%$	31.8	33.4	6.0	4.0
BSMI0630-6R8MC	6.8	$\pm 20\%$	44.6	46.8	5.5	4.0
BSMI0630-8R2MC	8.2	$\pm 20\%$	52.3	54.9	5.0	4.0
BSMI0630-10RMC	10	$\pm 20\%$	67.8	71.2	4.0	3.5
BSMI0630-22RMC	22	$\pm 20\%$	128.9	135.0	2.9	2.5

BSMI1040

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR		Irms (A)	Isat (A)
			Typ.m Ω	Max.m Ω		
BSMI1040-R19MC	0.19	$\pm 20\%$	0.7	0.8	40.0	46.0
BSMI1040-R22MC	0.22	$\pm 20\%$	0.85	0.95	33.0	44.0
BSMI1040-R24MC	0.24	$\pm 20\%$	0.85	0.95	33.0	44.0
BSMI1040-R36MC	0.36	$\pm 20\%$	1.05	1.15	32.0	30.0
BSMI1040-R47MC	0.47	$\pm 20\%$	1.53	1.68	30.0	30.0
BSMI1040-R56MC	0.56	$\pm 20\%$	1.61	1.8	32.0	22.0
BSMI1040-R78MC	0.78	$\pm 20\%$	1.8	1.9	27.0	22.0
BSMI1040-1R0MC	1	$\pm 20\%$	2.3	2.5	25.0	20.0
BSMI1040-1R8MC	1.8	$\pm 20\%$	4.5	5	17.0	16.0
BSMI1040-2R0MC	2	$\pm 20\%$	5.2	5.8	16.0	14.0
BSMI1040-4R7MC	4.7	$\pm 20\%$	12.9	14.2	9.5	7.6
BSMI1040-6R8MC	6.8	$\pm 20\%$	17.5	19.3	9.0	7.5
BSMI1040-10RMC	10	$\pm 20\%$	27.8	30.5	7.5	7.1
BSMI1040-15RMC	15	$\pm 20\%$	40.9	45	6.3	6.0
BSMI1040-22RMC	22	$\pm 20\%$	60.4	66	5.0	4.5
BSMI1040-33RMC	33	$\pm 20\%$	87.5	94.5	4.4	4.0
BSMI1040-47RMC	47	$\pm 20\%$	132	145	3.3	3.0
BSMI1040-100MC	100	$\pm 20\%$	249	270	2.5	2.25

BSMI1230

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR		Irms (A)	Isat (A)
			Typ.m Ω	Max.m Ω		
BSMI1230-R10MC	0.1	$\pm 20\%$	0.8	0.96	43	84
BSMI1230-R15MC	0.15	$\pm 20\%$	1	1.2	41	75
BSMI1230-R22MC	0.22	$\pm 20\%$	1.1	1.3	38.5	65
BSMI1230-R33MC	0.33	$\pm 20\%$	1.3	1.5	36.5	62
BSMI1230-R47MC	0.47	$\pm 20\%$	1.6	2	32	55
BSMI1230-R60MC	0.6	$\pm 20\%$	1.8	2.2	29	51
BSMI1230-R68MC	0.68	$\pm 20\%$	2.3	2.5	28	49

BSMI1230

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR		Irms (A)	Isat (A)
			Typ.m Ω	Max.m Ω		
BSMI1230-R82MC	0.82	$\pm 20\%$	2.6	3	25	44
BSMI1230-1R0MC	1	$\pm 20\%$	3.3	3.5	24	40
BSMI1230-1R5MC	1.5	$\pm 20\%$	5.1	5.5	19	35
BSMI1230-1R8MC	1.8	$\pm 20\%$	6.5	7	16.5	30
BSMI1230-2R2MC	2.2	$\pm 20\%$	7.2	8	16	29
BSMI1230-3R3MC	3.3	$\pm 20\%$	11	12	12	27
BSMI1230-4R7MC	4.7	$\pm 20\%$	14.3	15	10	24
BSMI1230-5R6MC	5.6	$\pm 20\%$	18.3	19	9.5	19
BSMI1230-6R8MC	6.8	$\pm 20\%$	19.8	22	9	18
BSMI1230-8R2MC	8.2	$\pm 20\%$	24.8	28	8.5	16
BSMI1230-10RMC	10	$\pm 20\%$	30.4	34	7	14

BSMI1250

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR		Irms (A)	Isat (A)
			Typ.m Ω	Max.m Ω		
BSMI1250-R10MC	0.1	$\pm 20\%$	0.53	0.6	55	118
BSMI1250-R22MC	0.22	$\pm 20\%$	0.64	0.8	51	110
BSMI1250-R33MC	0.33	$\pm 20\%$	0.85	1.1	42	80
BSMI1250-R47MC	0.47	$\pm 20\%$	1.1	1.3	38	65
BSMI1250-R56MC	0.56	$\pm 20\%$	1.3	1.5	36	55
BSMI1250-R68MC	0.68	$\pm 20\%$	1.5	1.7	34	54
BSMI1250-R82MC	0.82	$\pm 20\%$	2	2.3	31	53
BSMI1250-1R0MC	1	$\pm 20\%$	2.1	2.5	29	50
BSMI1250-1R5MC	1.5	$\pm 20\%$	3.4	4.1	23	48
BSMI1250-1R8MC	1.8	$\pm 20\%$	4.2	4.9	19	40
BSMI1250-2R2MC	2.2	$\pm 20\%$	4.6	5.5	20	32
BSMI1250-3R3MC	3.3	$\pm 20\%$	7.7	9.2	15	32
BSMI1250-4R7MC	4.7	$\pm 20\%$	12.8	15	12	27
BSMI1250-5R6MC	5.6	$\pm 20\%$	14	16.5	11.5	22
BSMI1250-6R8MC	6.8	$\pm 20\%$	15.4	18.5	11	21
BSMI1250-7R8MC	7.8	$\pm 20\%$	17.2	20.5	10	18
BSMI1250-8R2MC	8.2	$\pm 20\%$	18.9	22.5	9.5	18
BSMI1250-10RMC	10	$\pm 20\%$	21.4	25.5	9	16

BSMI1260

BW Part Number	Inductance (μ H)	Percent Tolerance	DCR		Irms (A)	Isat (A)
			Typ.m Ω	Max.m Ω		
BSMI1260-R10MC	0.1	$\pm 20\%$	0.47	0.5	60	120
BSMI1260-R15MC	0.15	$\pm 20\%$	0.53	0.6	55	118
BSMI1260-R22MC	0.22	$\pm 20\%$	0.63	0.7	53	112
BSMI1260-R30MC	0.3	$\pm 20\%$	0.7	0.8	48	72
BSMI1260-R33MC	0.33	$\pm 20\%$	0.83	0.9	46	65
BSMI1260-R40MC	0.4	$\pm 20\%$	0.9	1	44	64
BSMI1260-R47MC	0.47	$\pm 20\%$	1	1.2	41	63
BSMI1260-R56MC	0.56	$\pm 20\%$	1.2	1.4	37	62
BSMI1260-R68MC	0.68	$\pm 20\%$	1.4	1.6	35	60
BSMI1260-R82MC	0.82	$\pm 20\%$	1.6	1.9	33	50
BSMI1260-1R0MC	1	$\pm 20\%$	1.7	2	32	49
BSMI1260-1R2MC	1.2	$\pm 20\%$	2.1	2.5	30	48
BSMI1260-1R5MC	1.5	$\pm 20\%$	2.5	3	27	45
BSMI1260-1R8MC	1.8	$\pm 20\%$	2.8	3.2	24	41
BSMI1260-2R2MC	2.2	$\pm 20\%$	3.5	4.2	22	40
BSMI1260-3R3MC	3.3	$\pm 20\%$	5.7	6.8	18	35
BSMI1260-4R7MC	4.7	$\pm 20\%$	8	8.7	13.5	32
BSMI1260-5R6MC	5.6	$\pm 20\%$	9.3	10	13.5	32
BSMI1260-6R8MC	6.8	$\pm 20\%$	13.1	14	11.5	16.5
BSMI1260-8R2MC	8.2	$\pm 20\%$	14.5	15.5	10.5	16
BSMI1260-10RMC	10	$\pm 20\%$	16.4	17.2	10	15.5

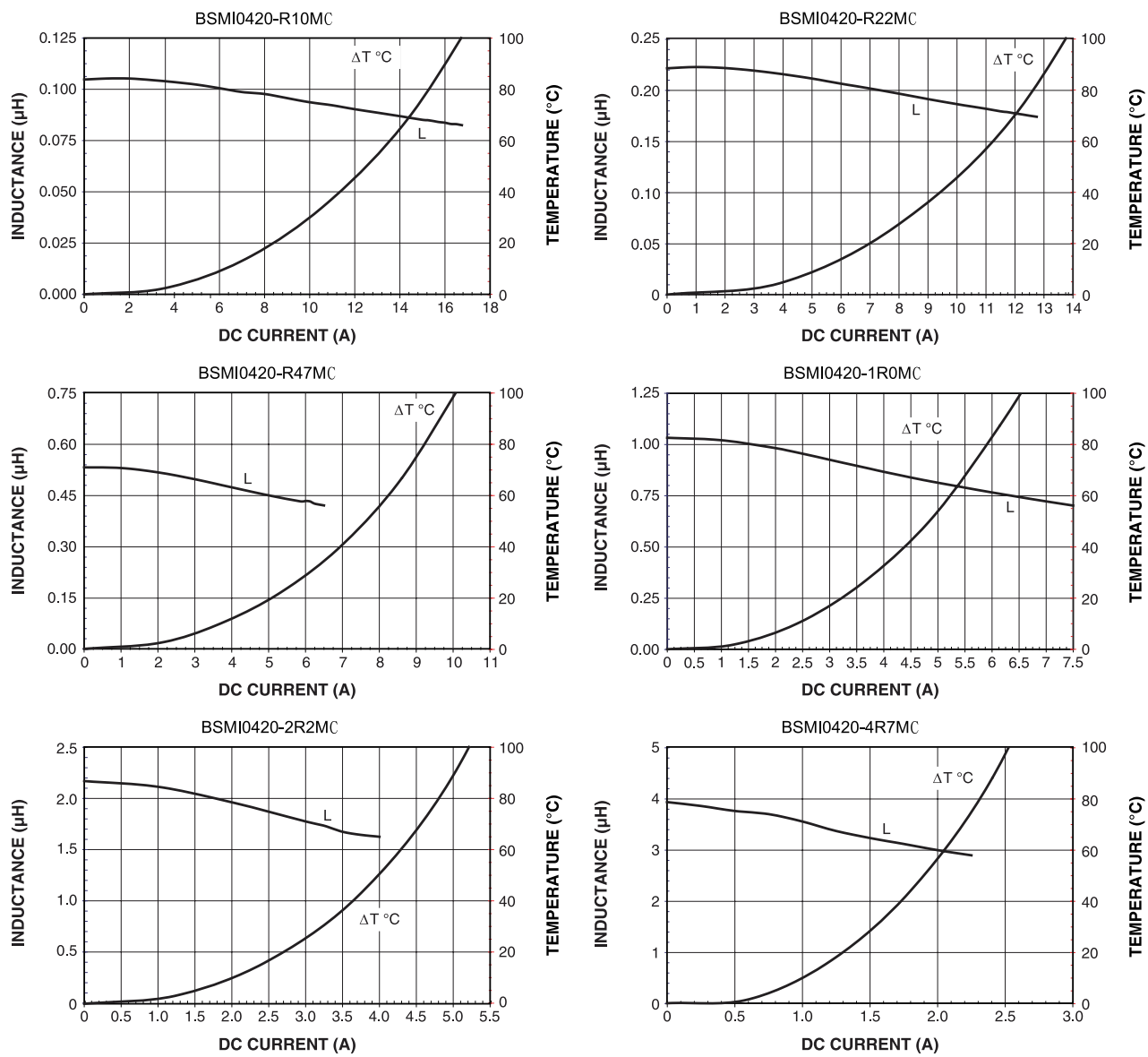


Power Inductor

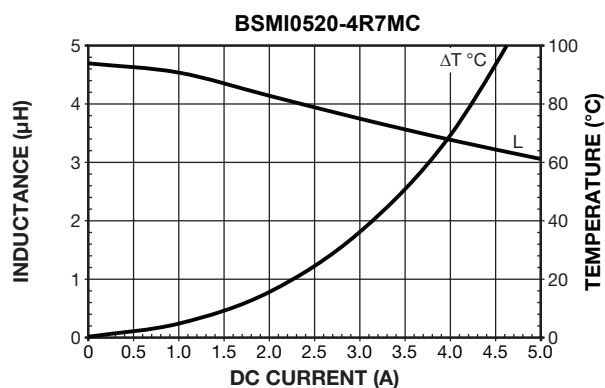
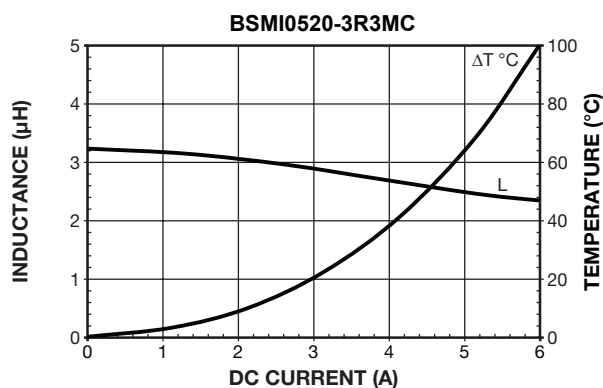
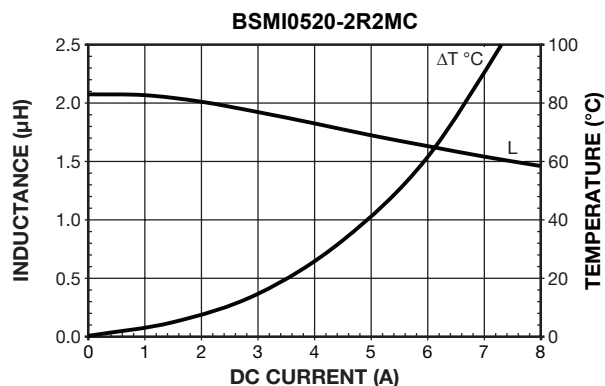
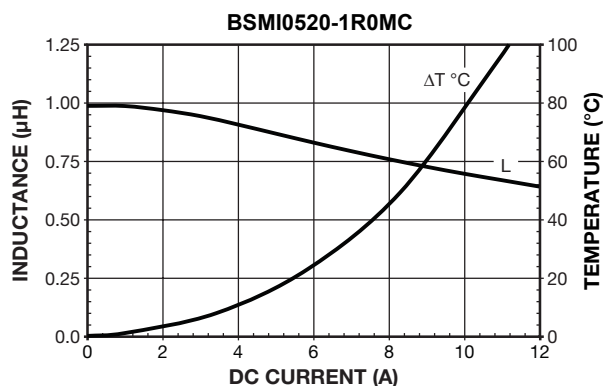
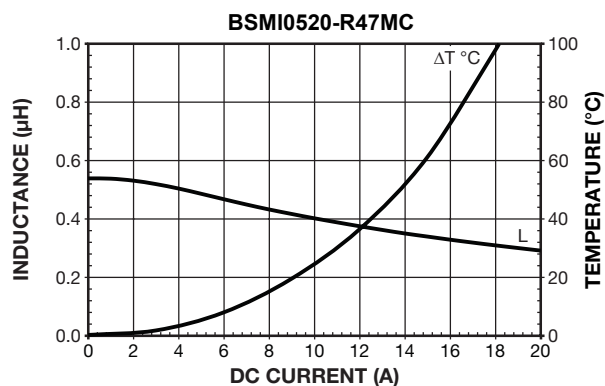
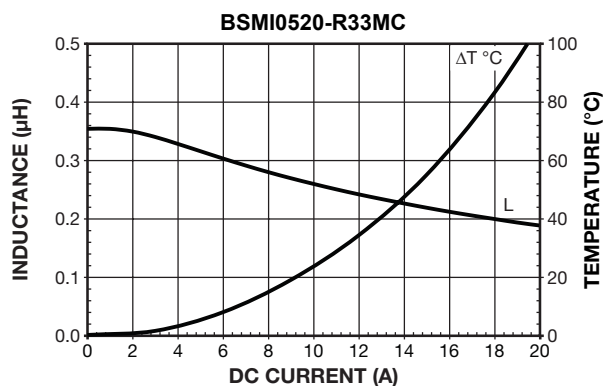
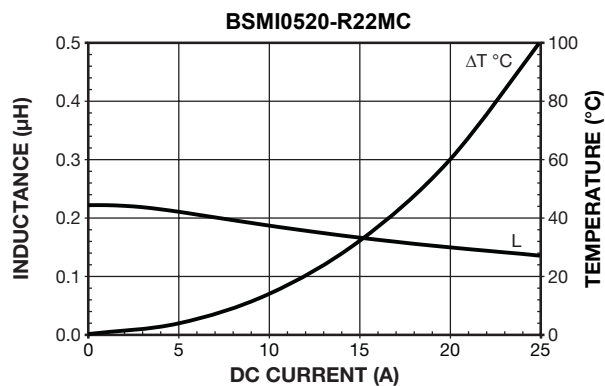
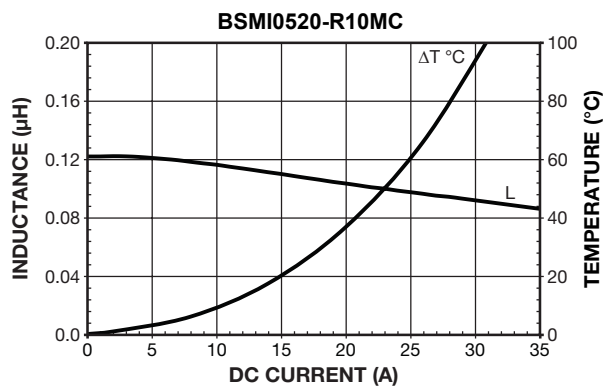
SMD /Molding Type



BSMI0420



BSMI0520



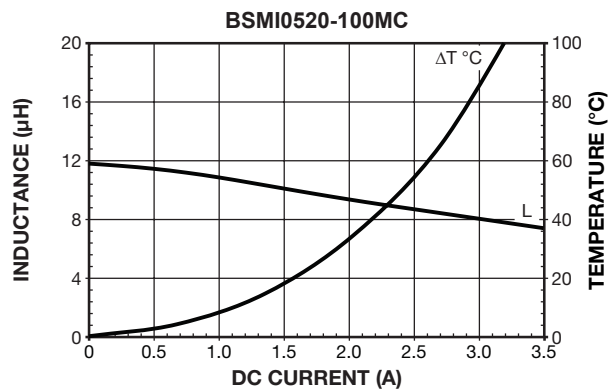
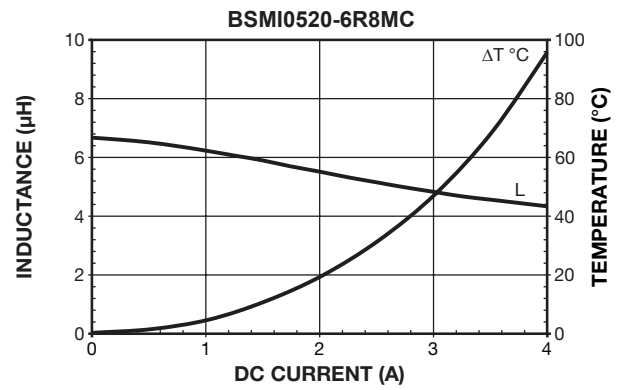
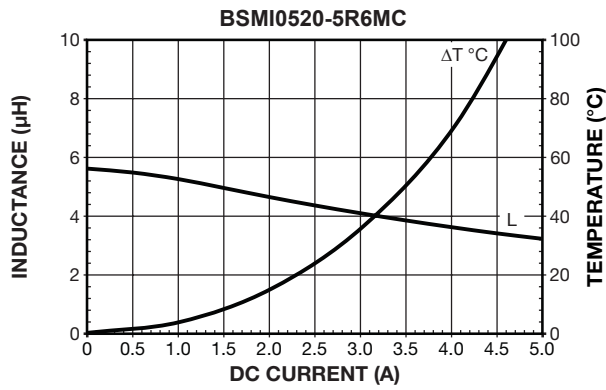


Power Inductor

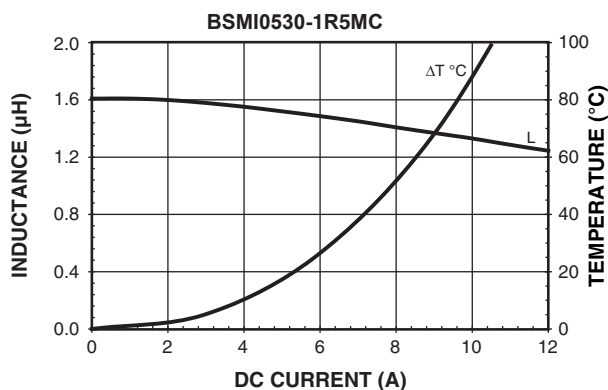
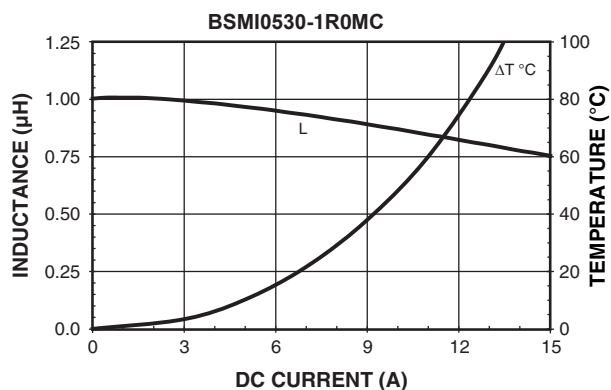
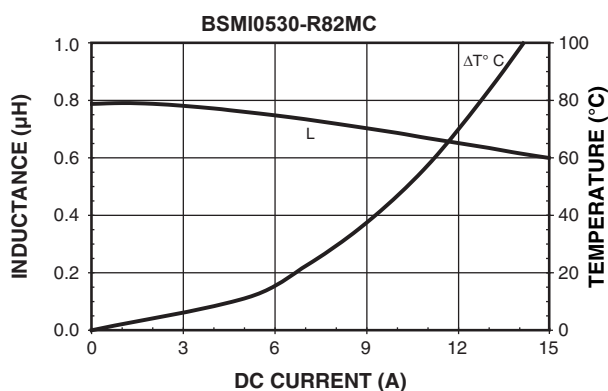
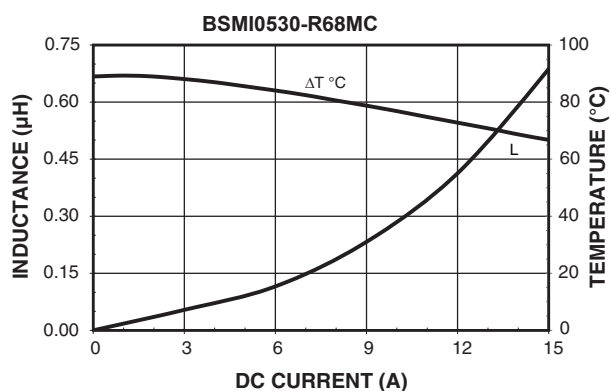
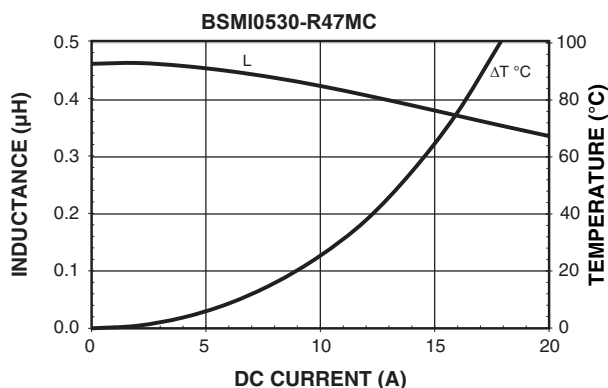
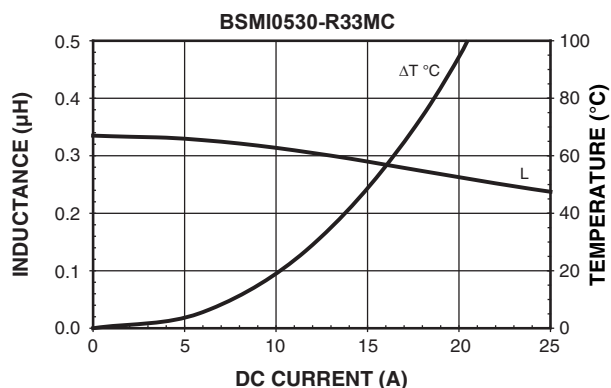
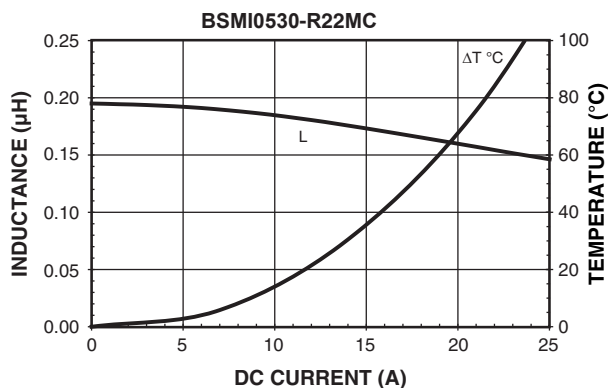
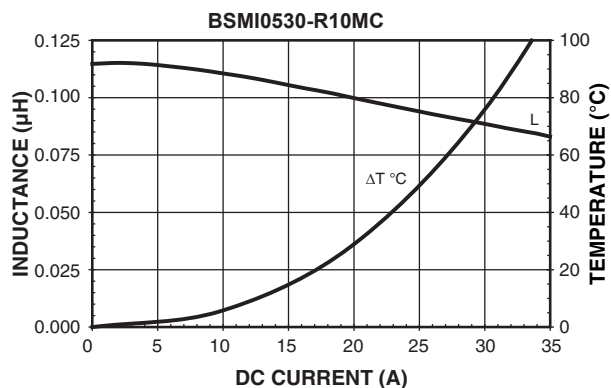
SMD /Molding Type



BSMI0520



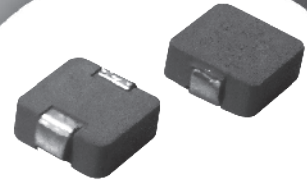
BSMI0530



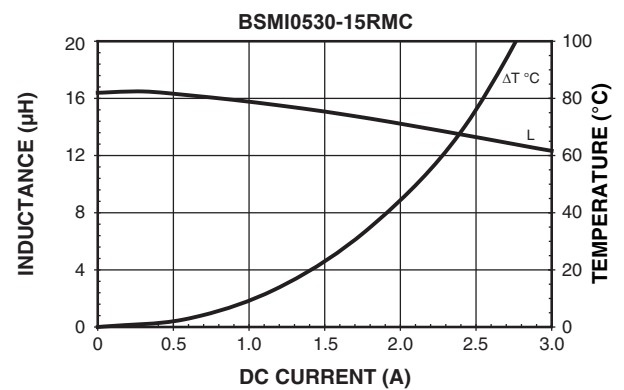
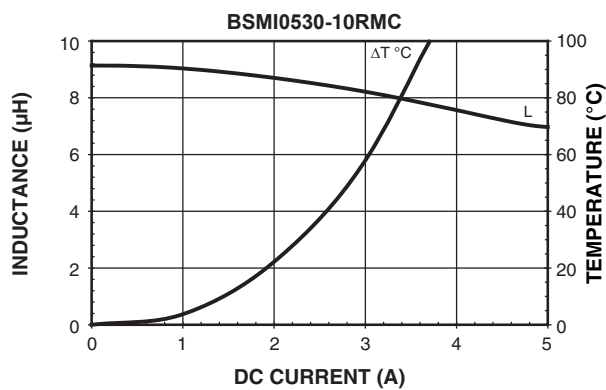
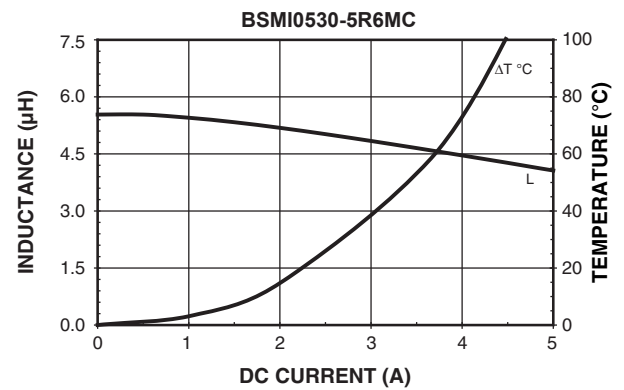
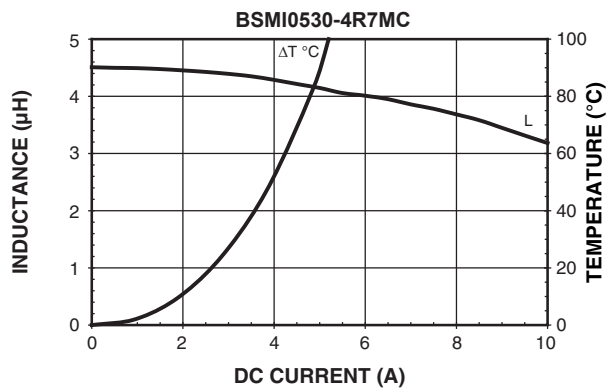
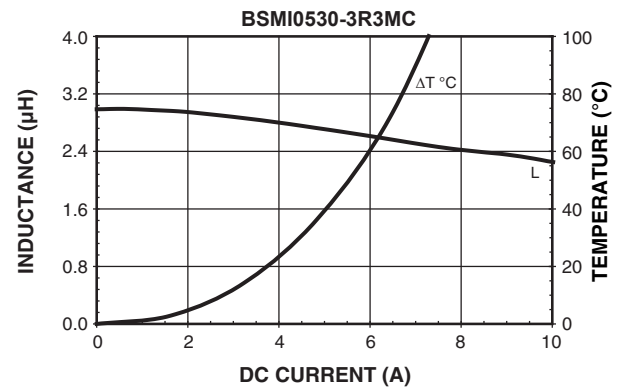
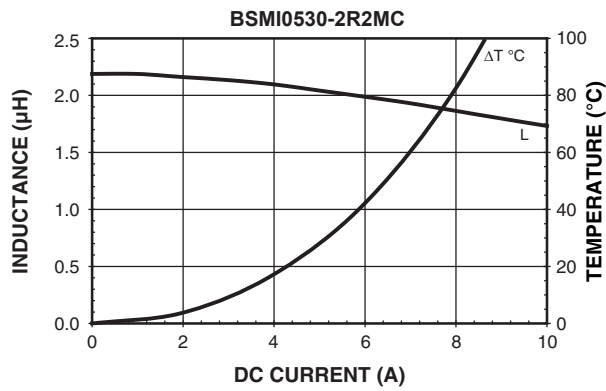


Power Inductor

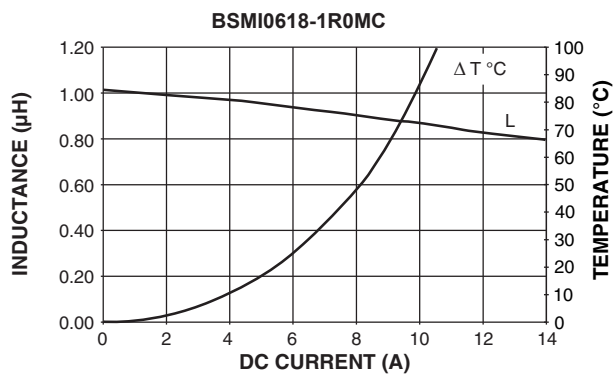
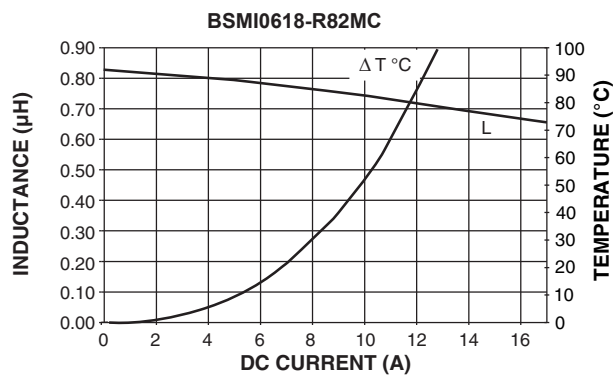
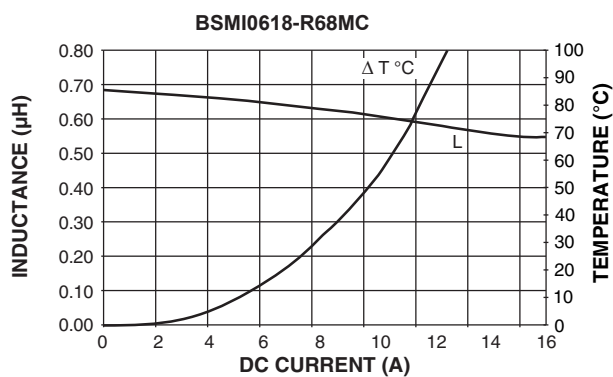
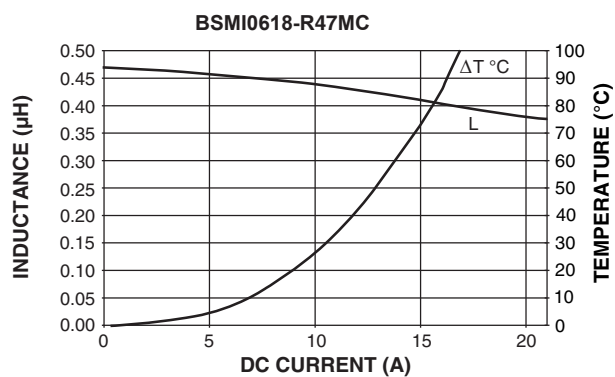
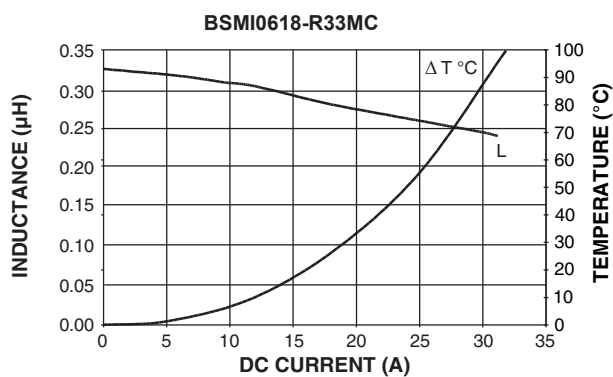
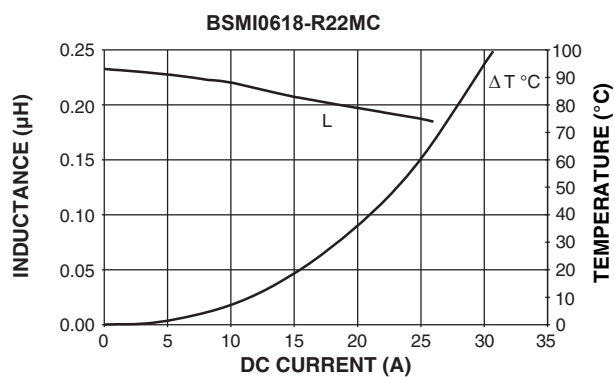
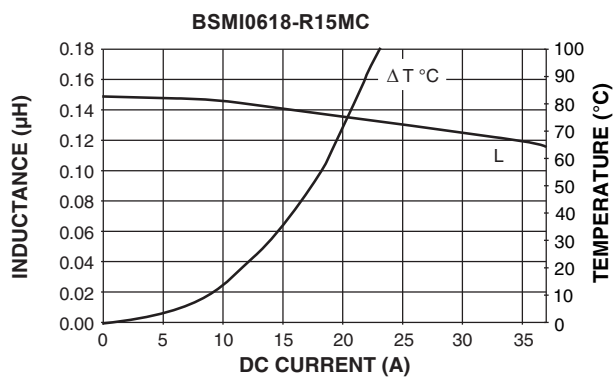
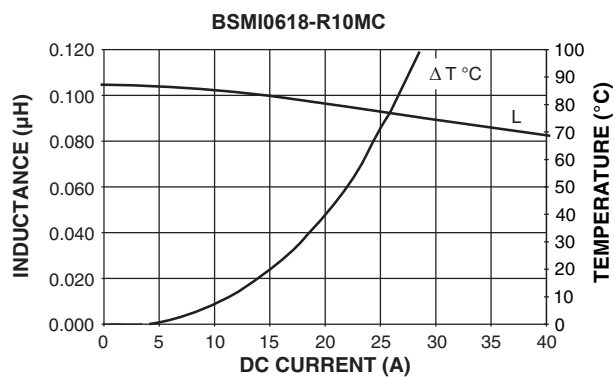
SMD / Molding Type



BSMI0530



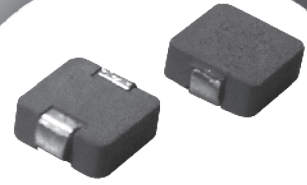
BSMI0618



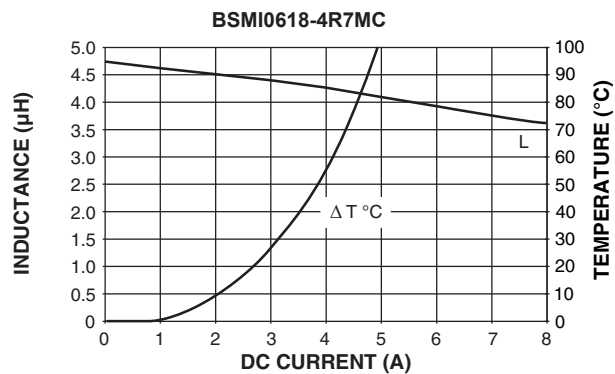
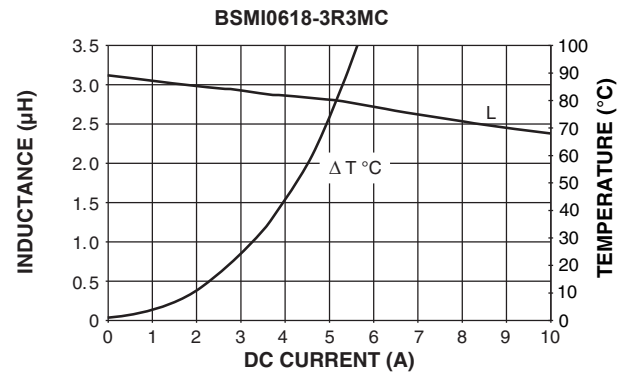
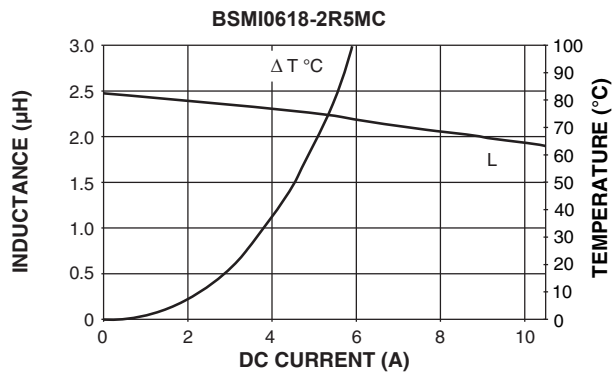
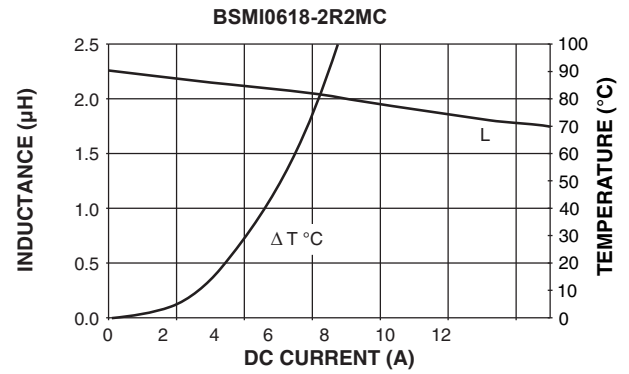
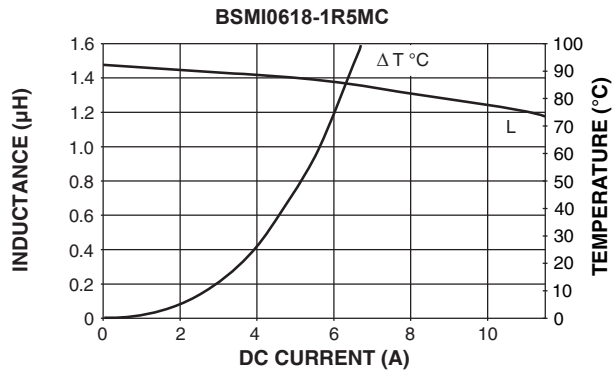


Power Inductor

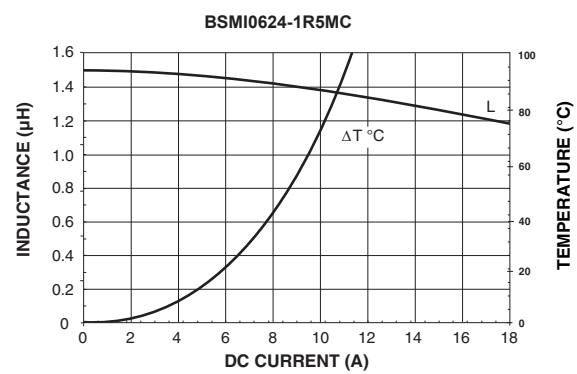
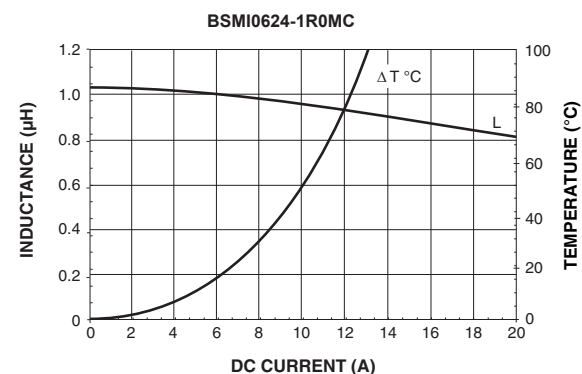
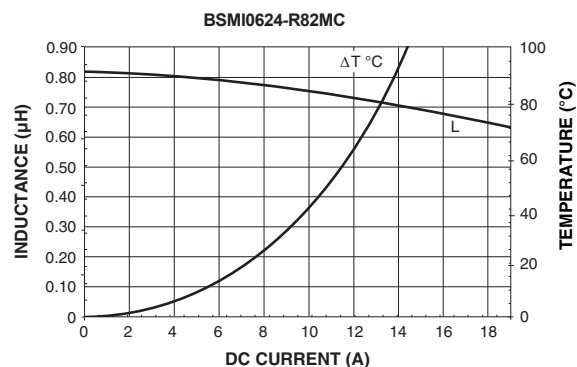
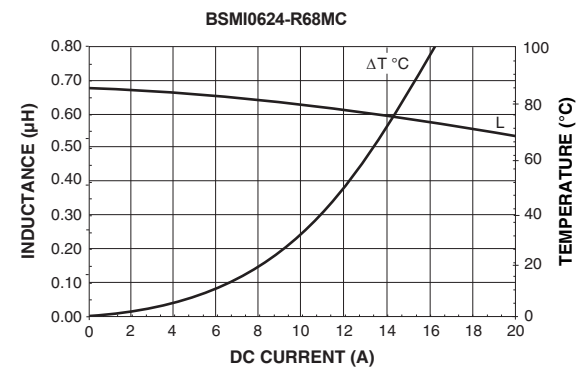
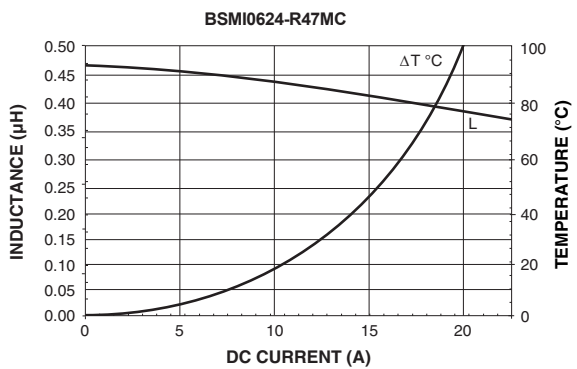
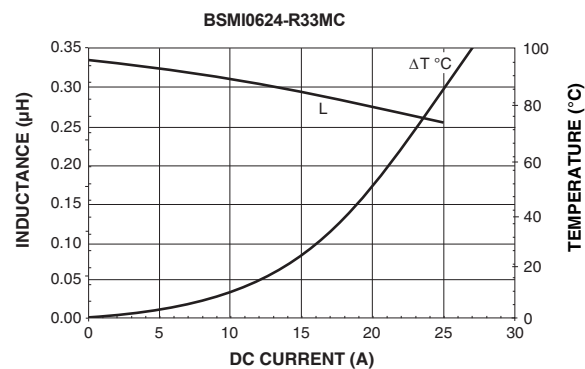
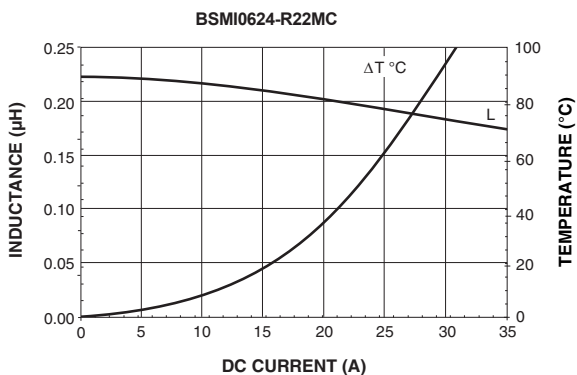
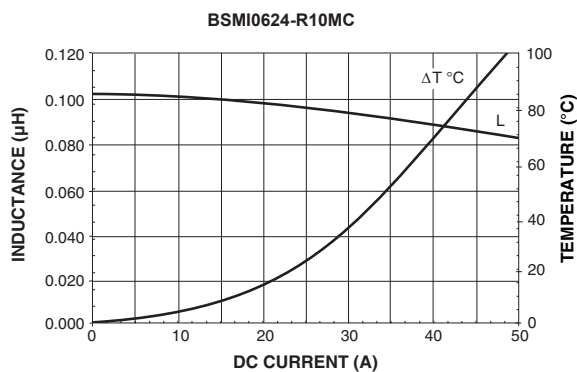
SMD / Molding Type



BSMI0618



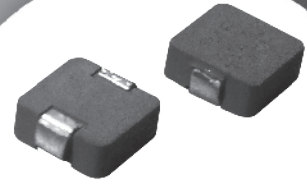
BSMI0624



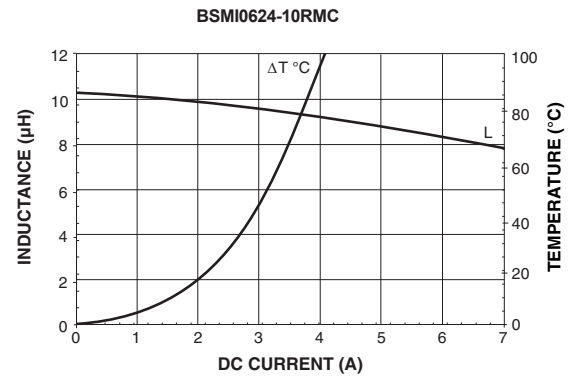
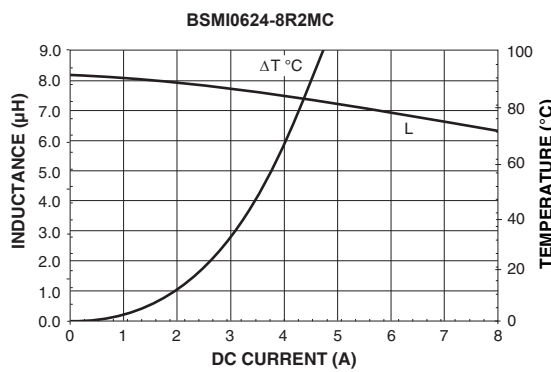
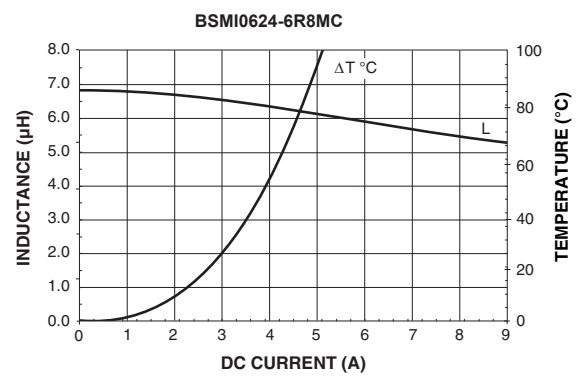
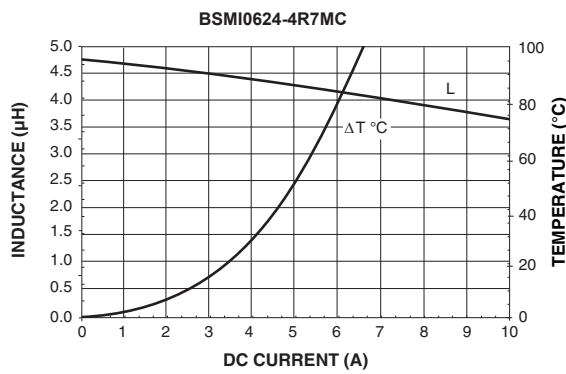
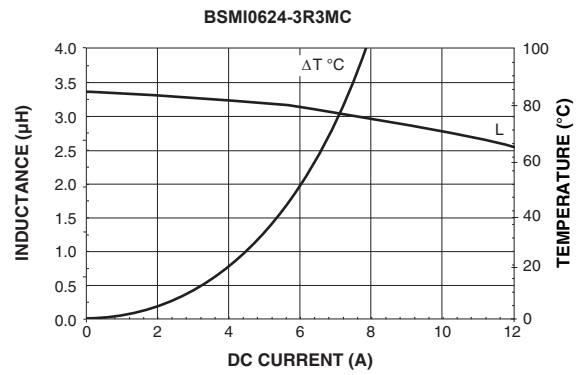
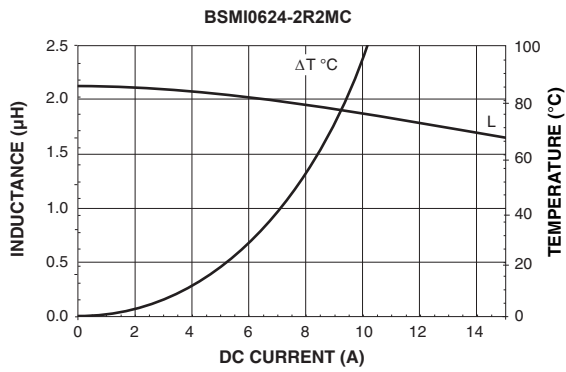


Power Inductor

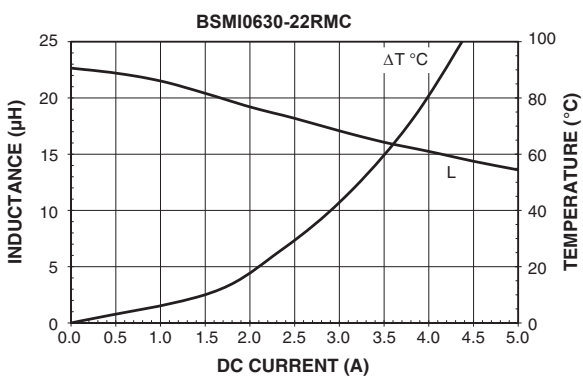
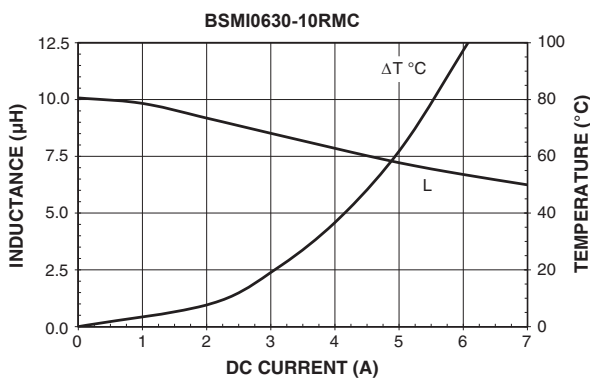
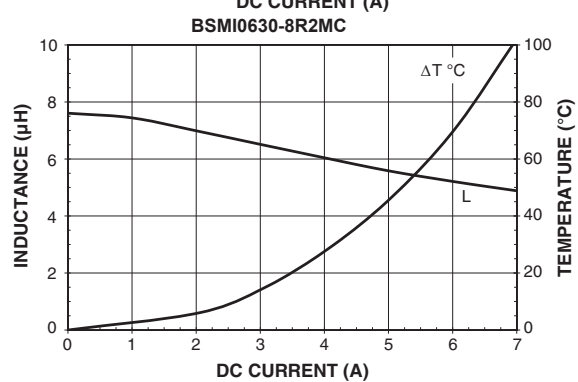
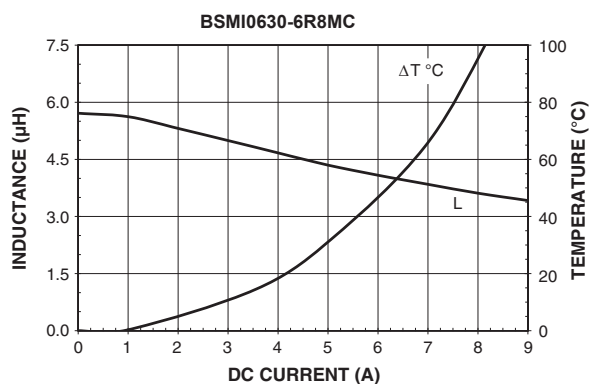
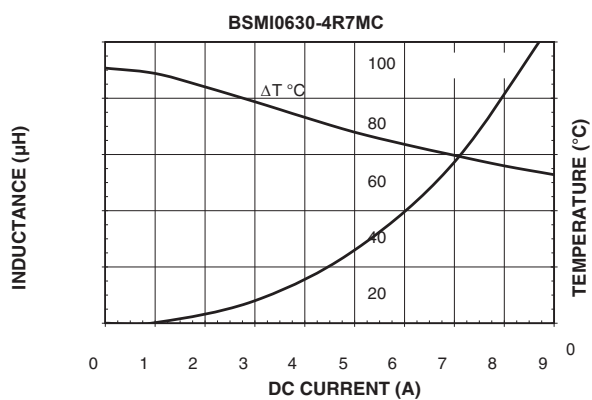
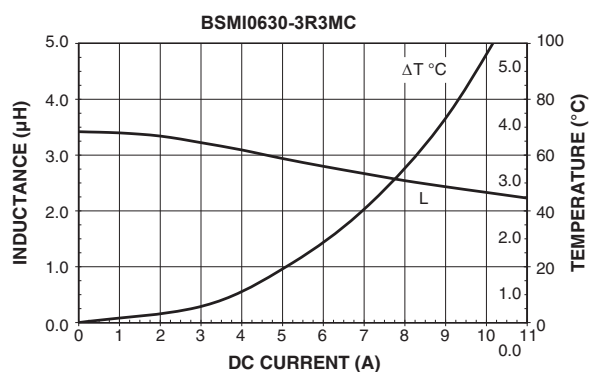
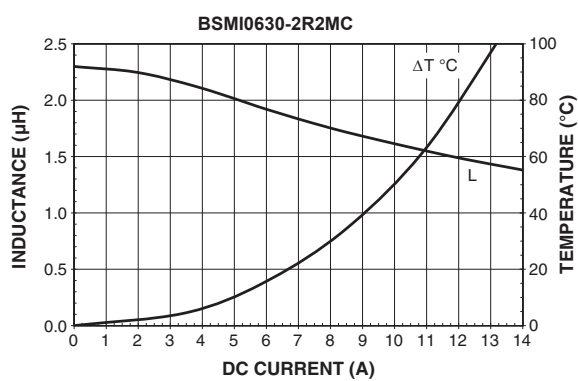
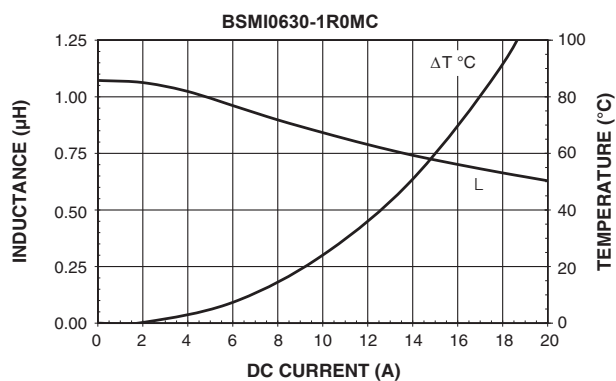
SMD /Molding Type



BSMI0624



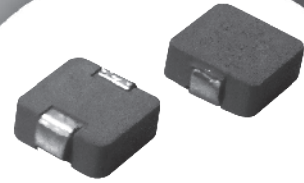
BSMI0630



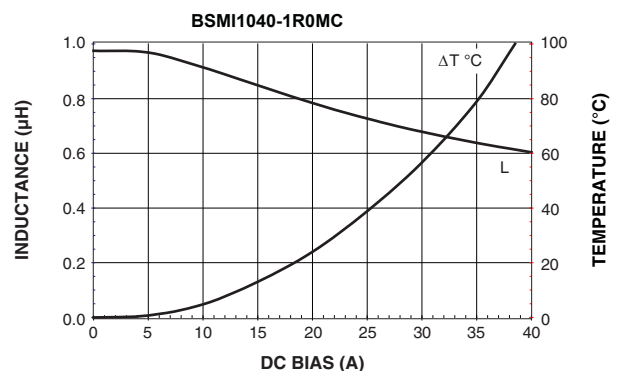
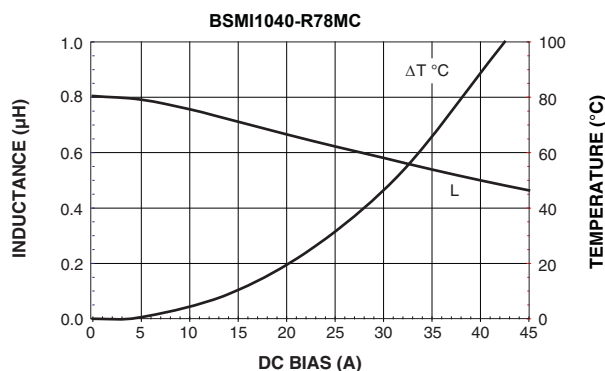
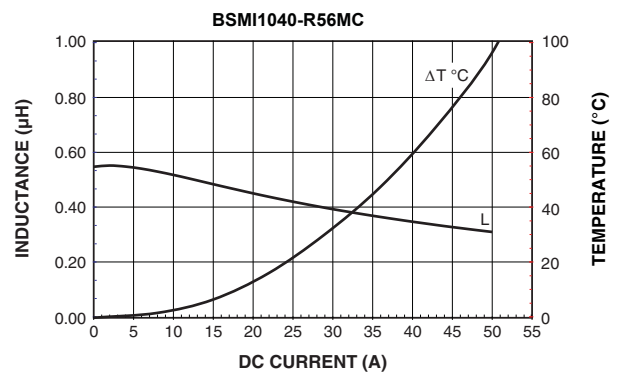
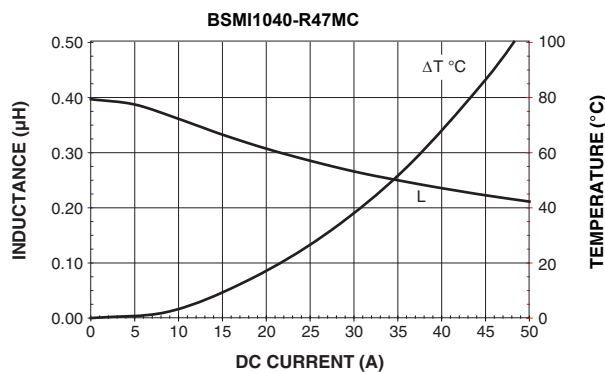
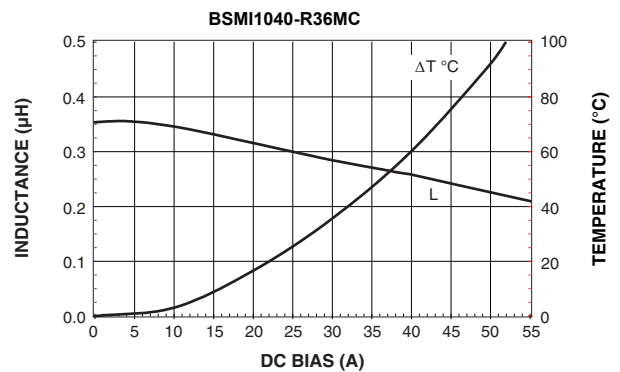
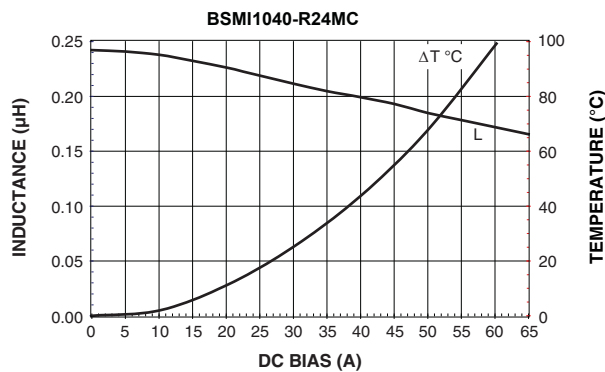
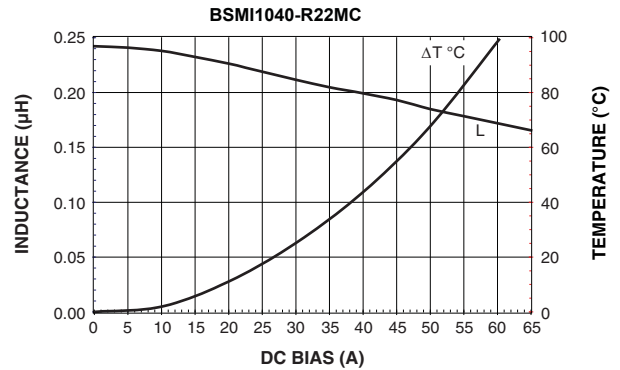
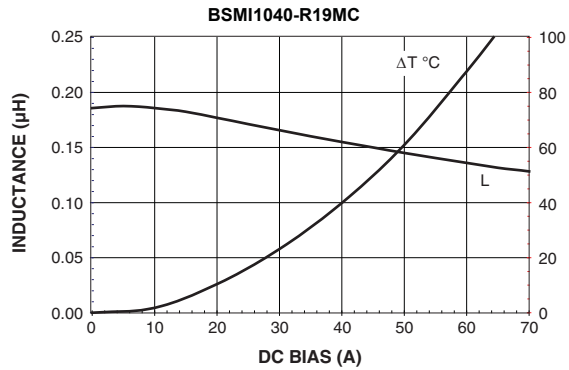


Power Inductor

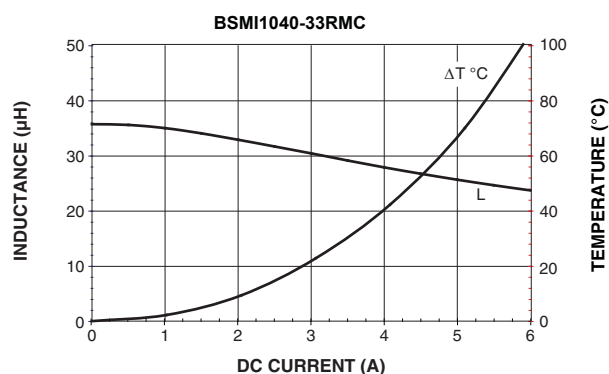
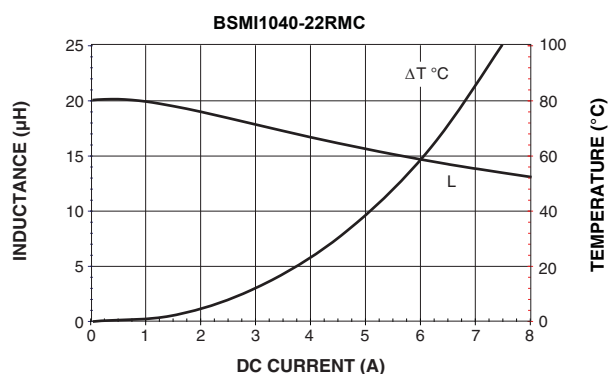
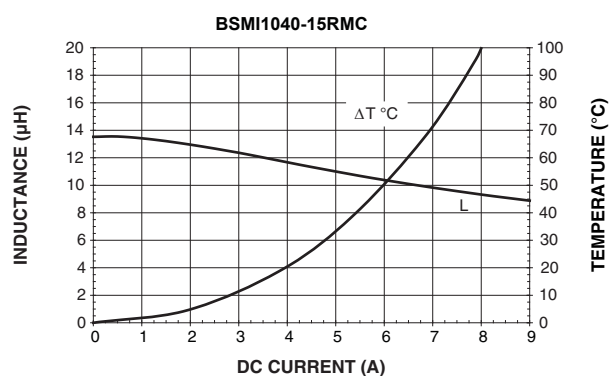
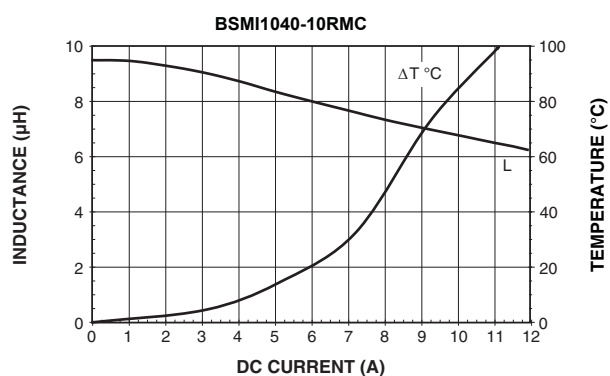
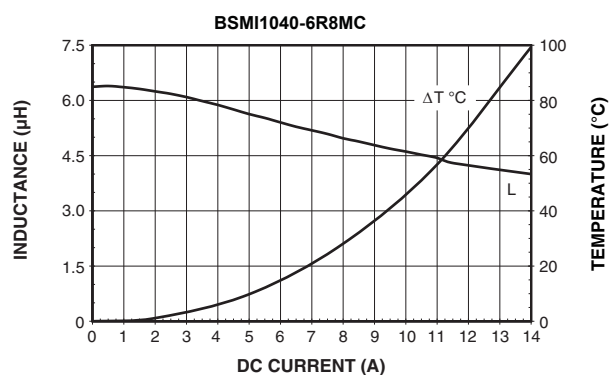
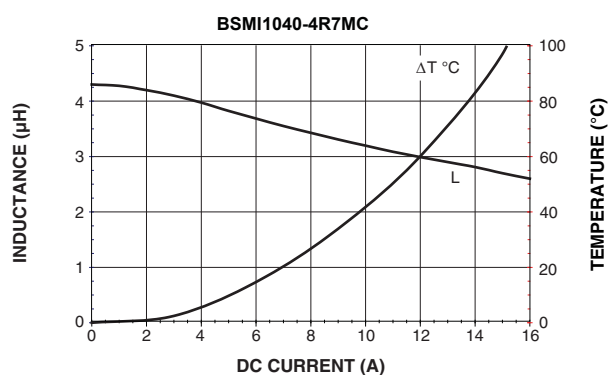
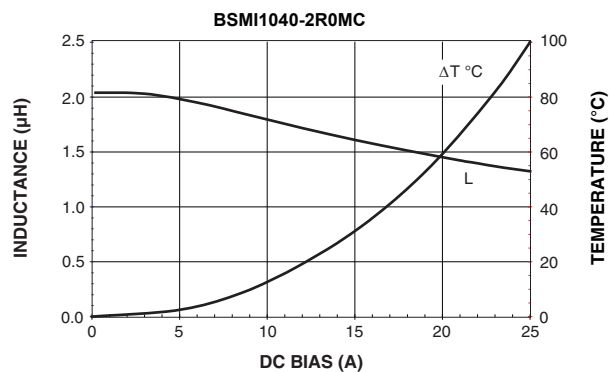
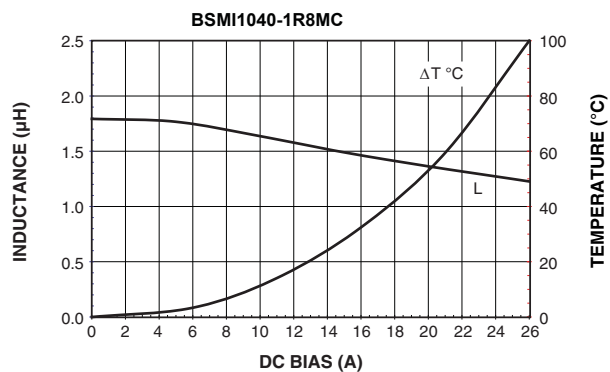
SMD / Molding Type



BSMI1040



BSMI1040



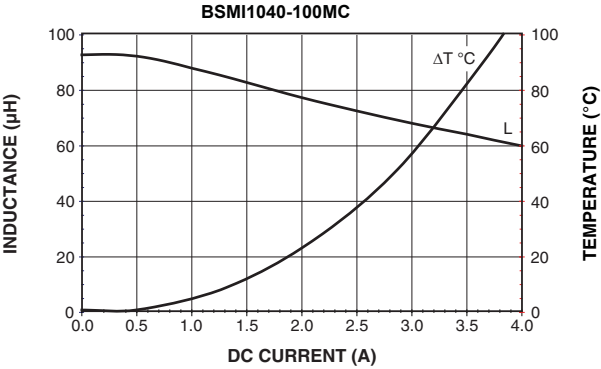
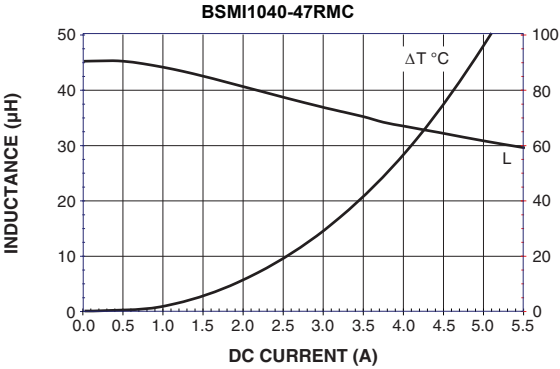


Power Inductor

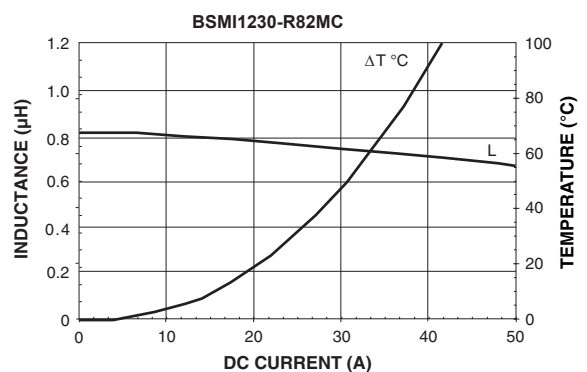
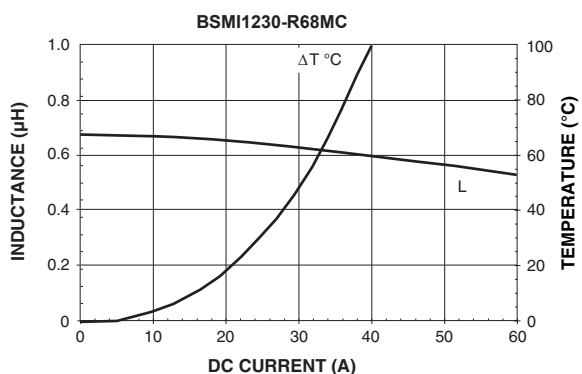
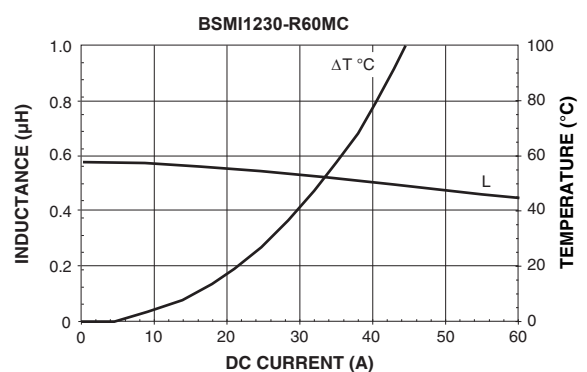
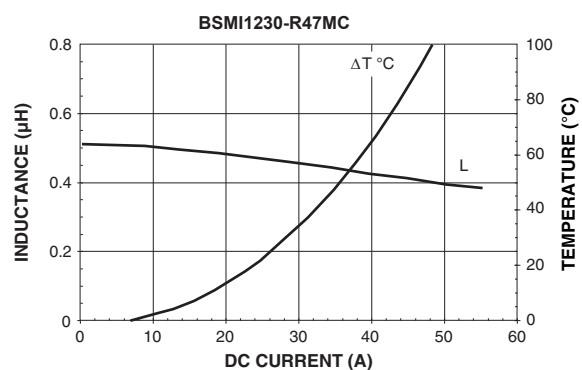
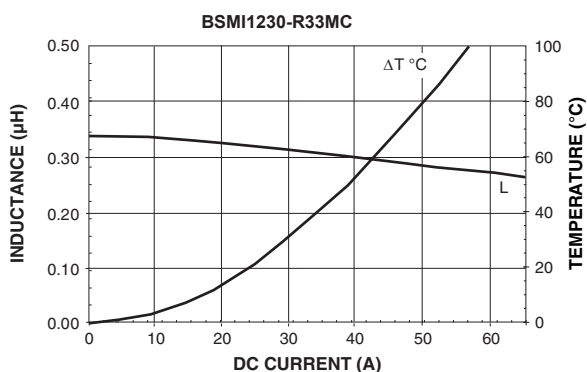
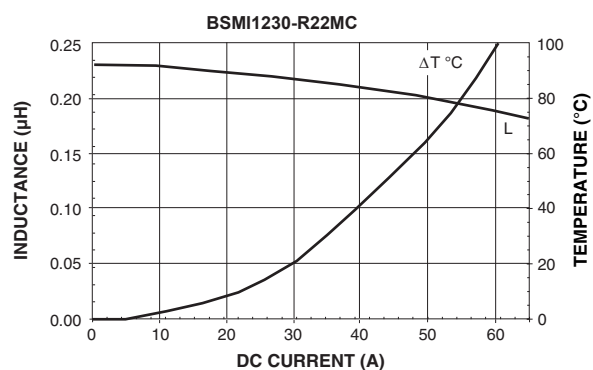
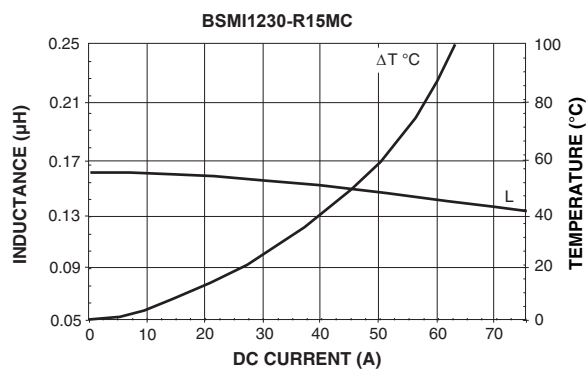
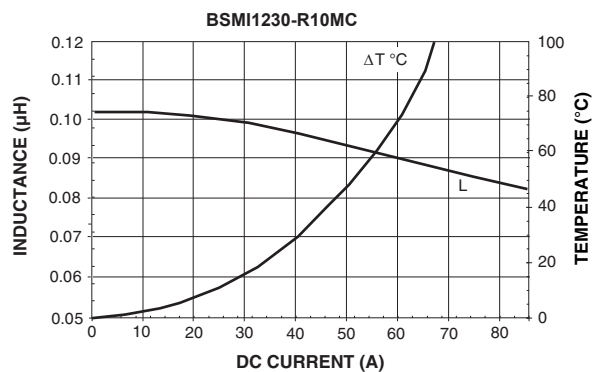
SMD /Molding Type



BSMI1040

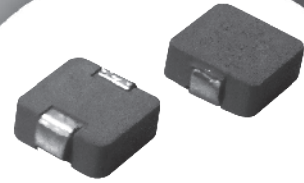


BSMI1230

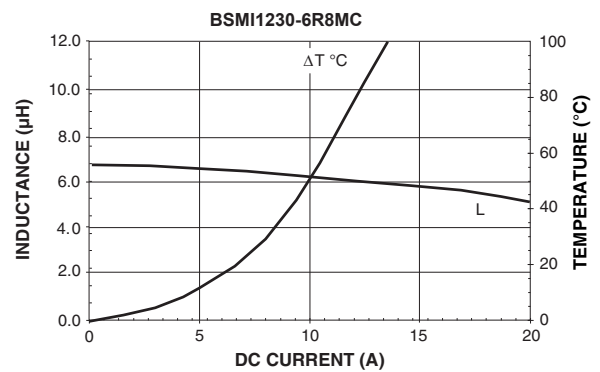
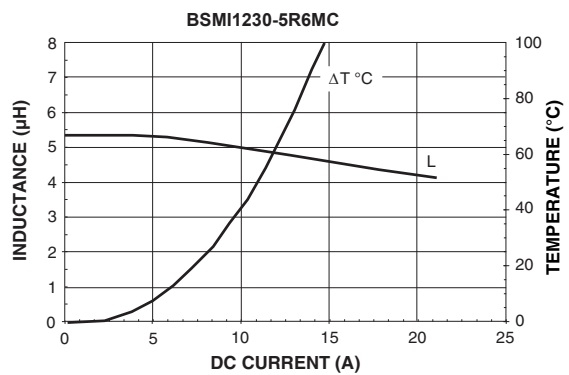
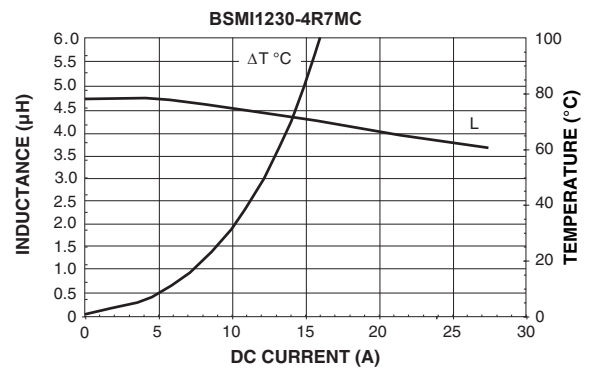
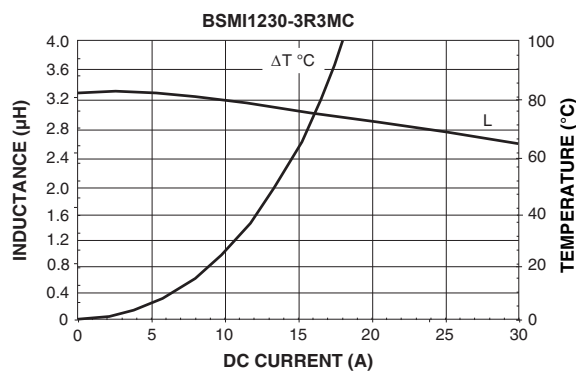
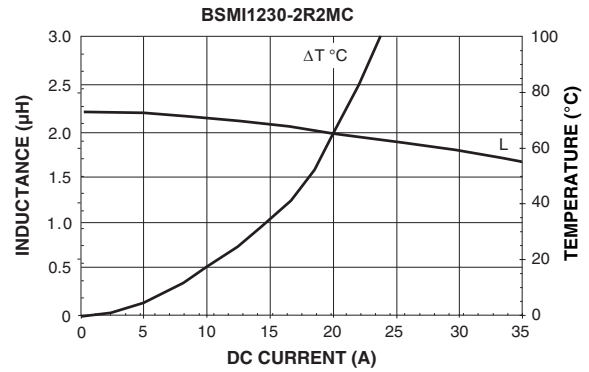
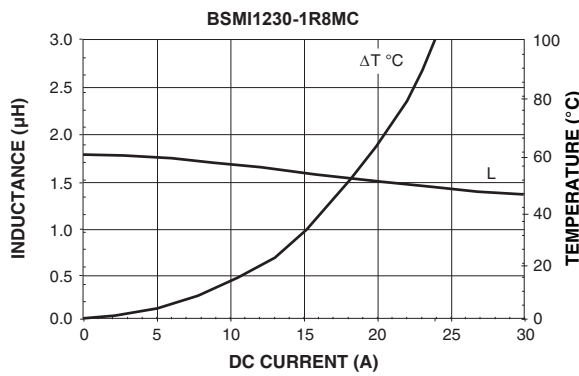
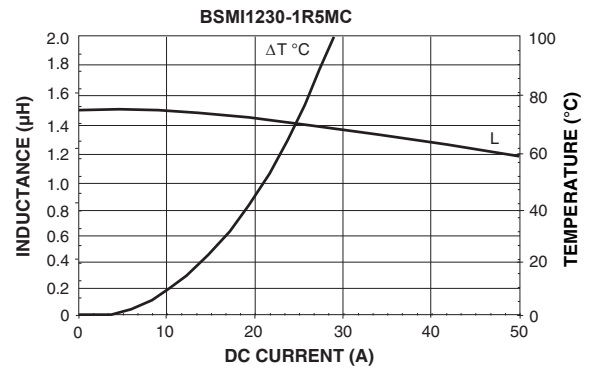
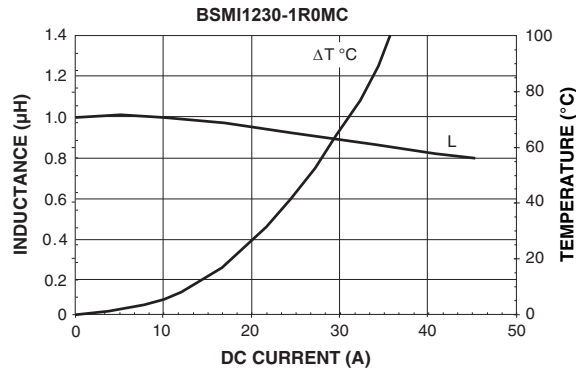


Power Inductor

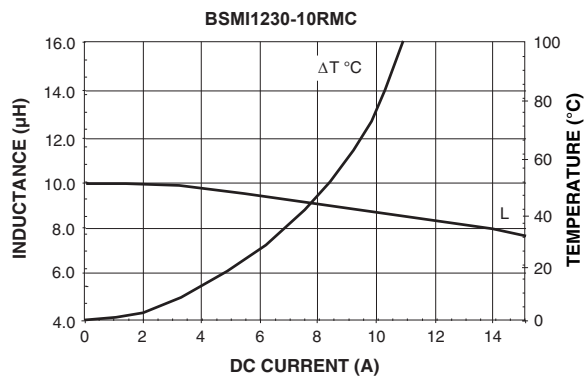
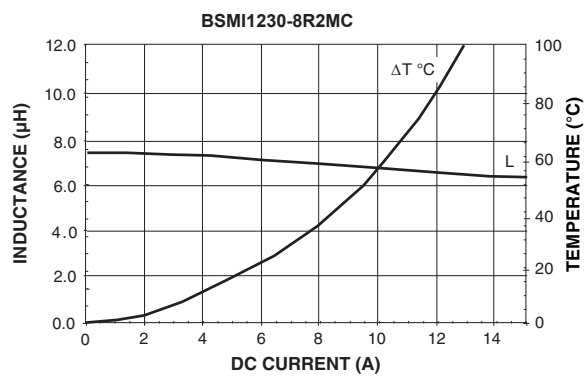
SMD / Molding Type



BSMI1230

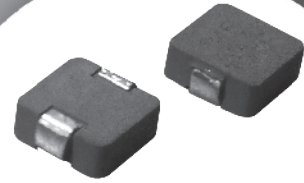


BSMI1230

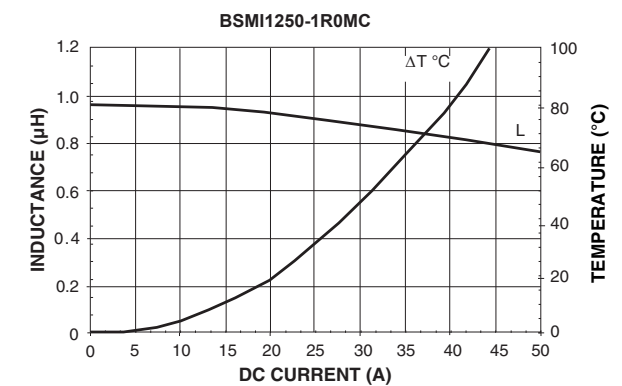
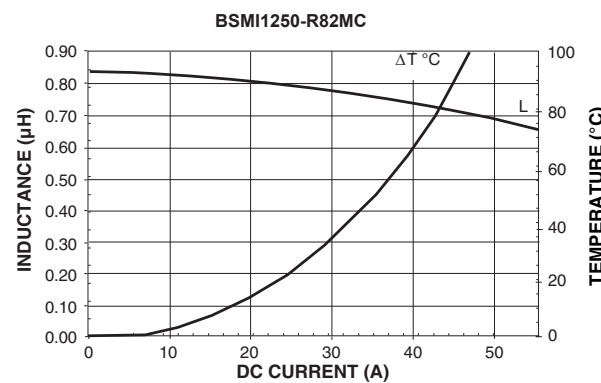
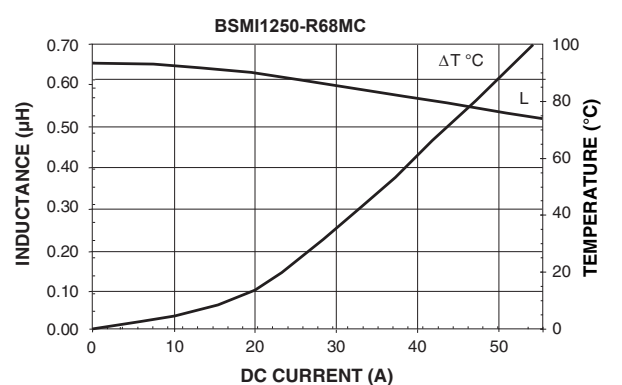
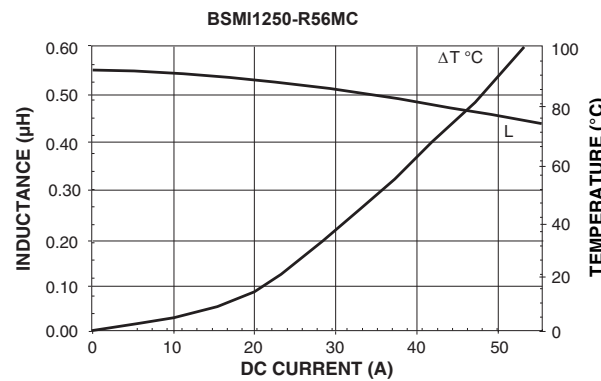
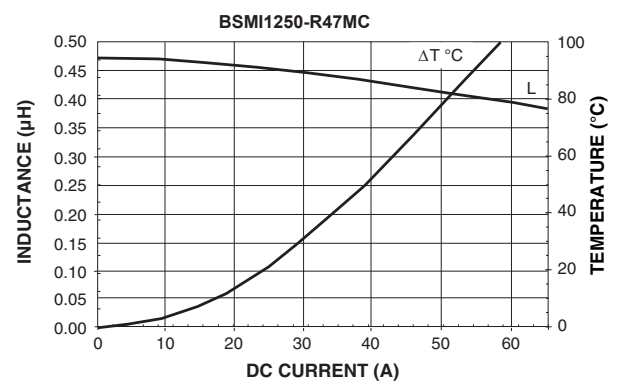
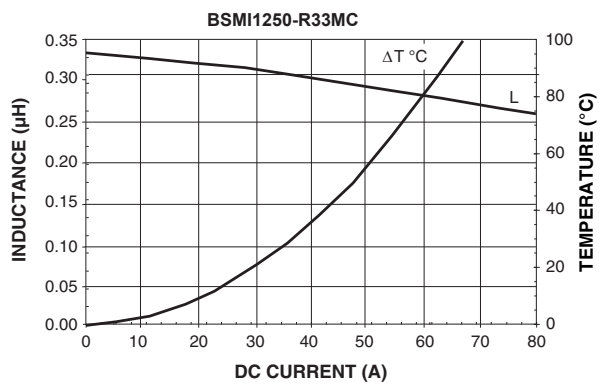
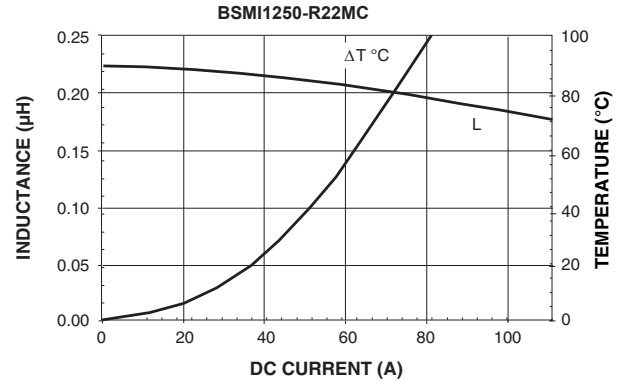
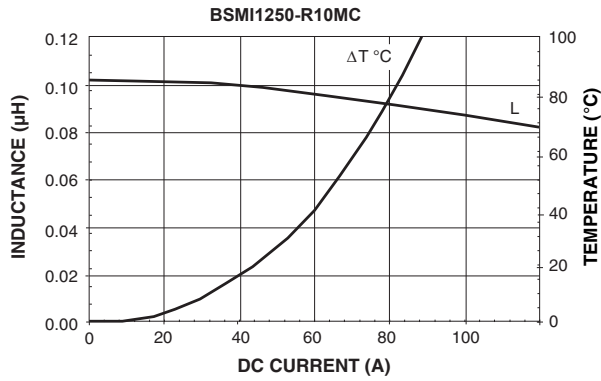


Power Inductor

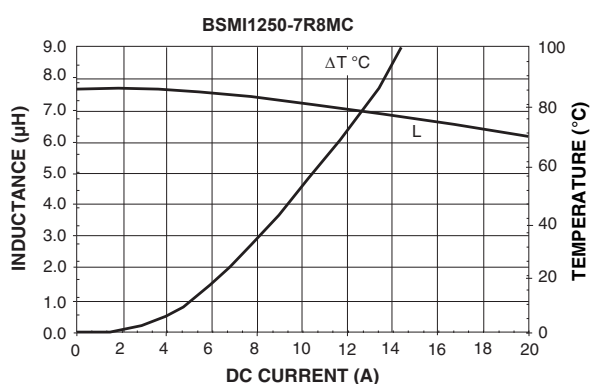
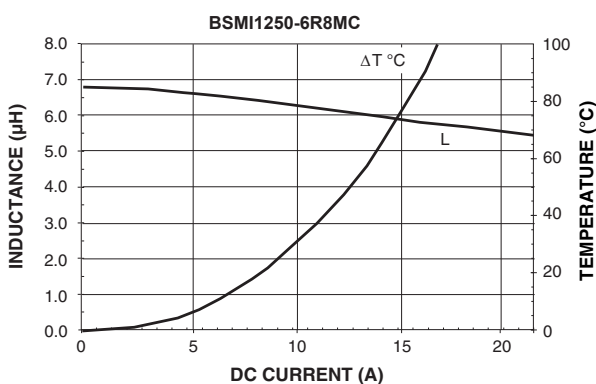
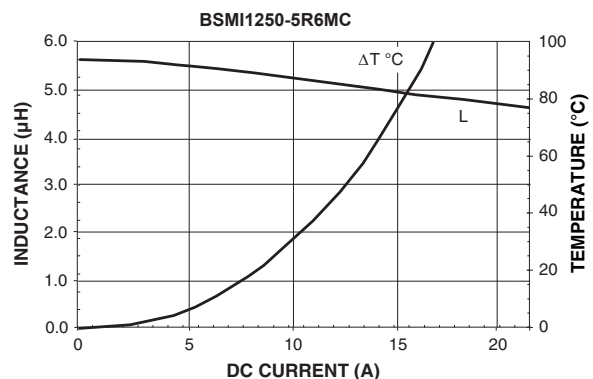
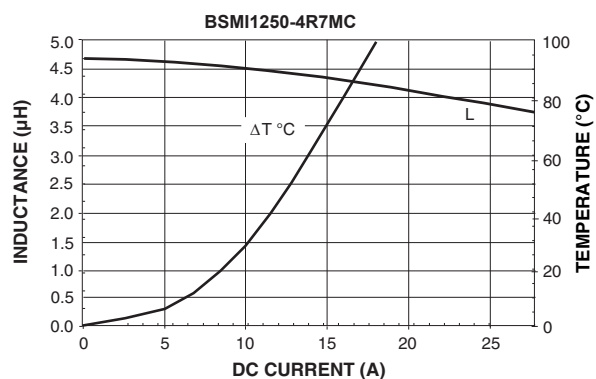
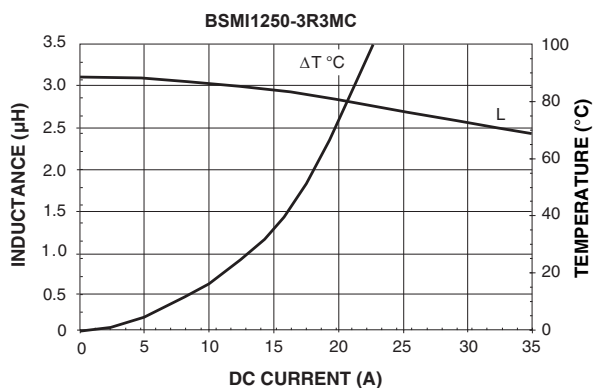
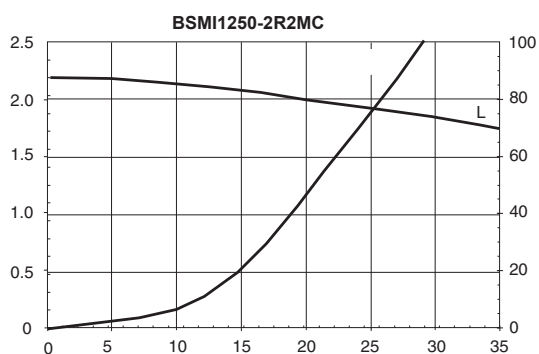
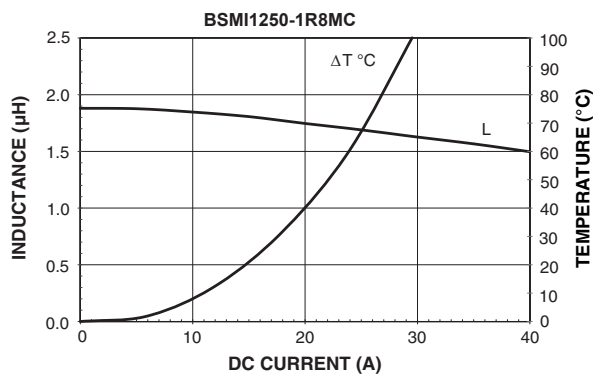
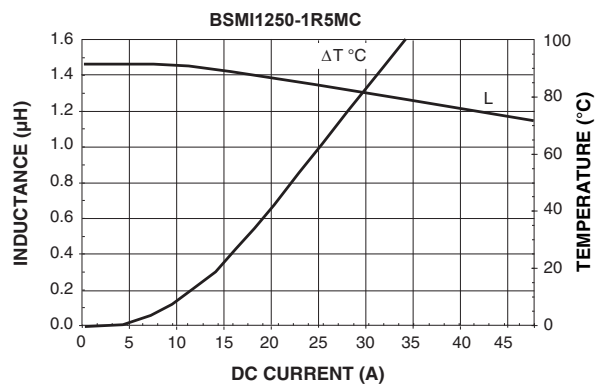
SMD / Molding Type



BSMI1250



BSMI1250



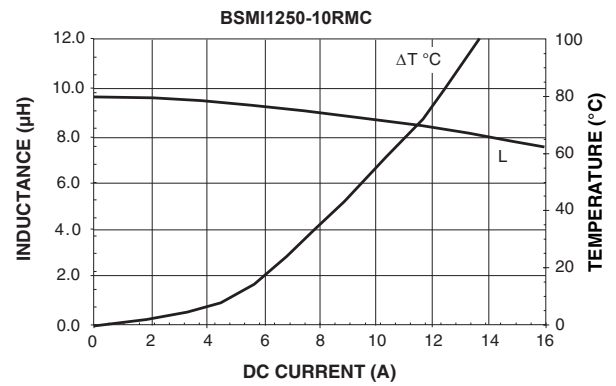
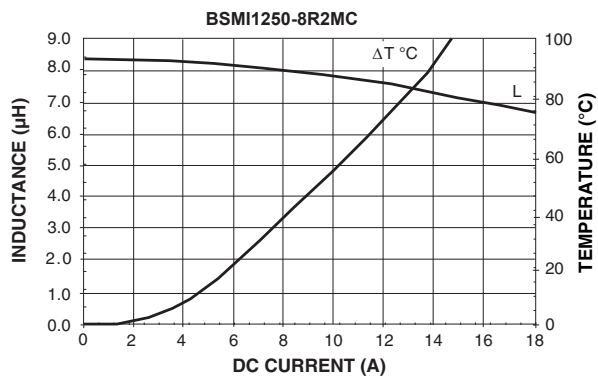


Power Inductor

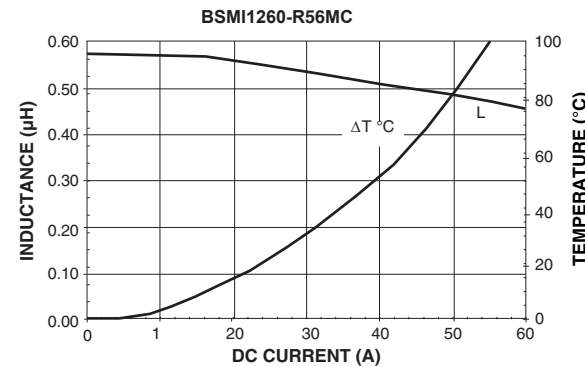
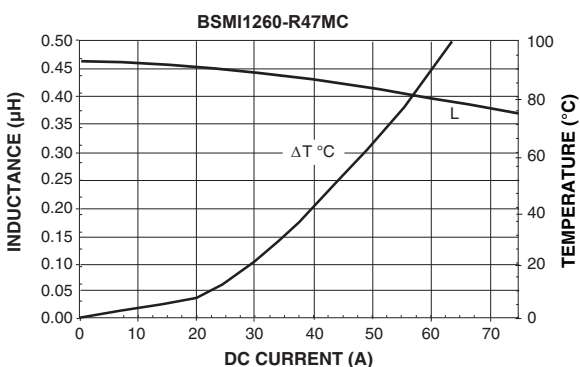
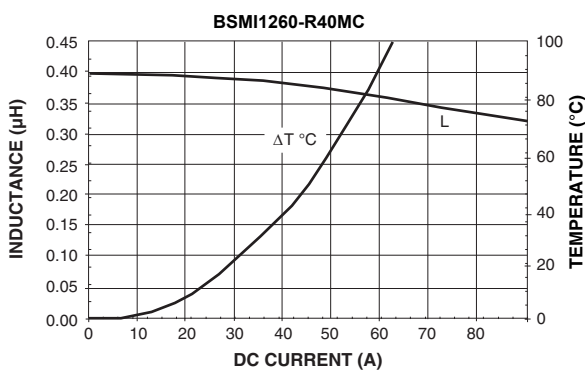
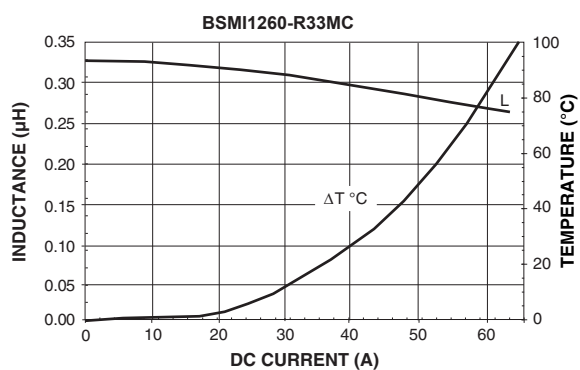
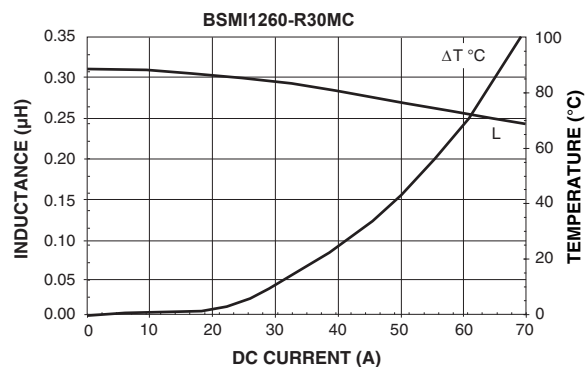
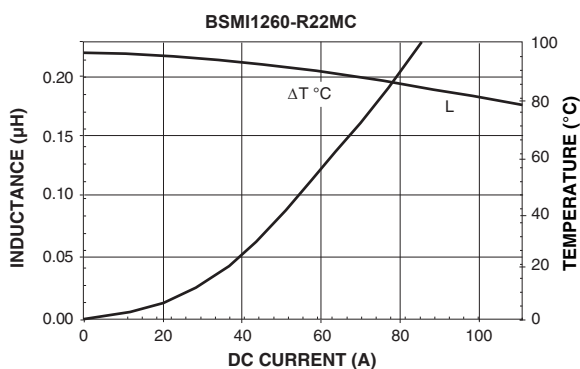
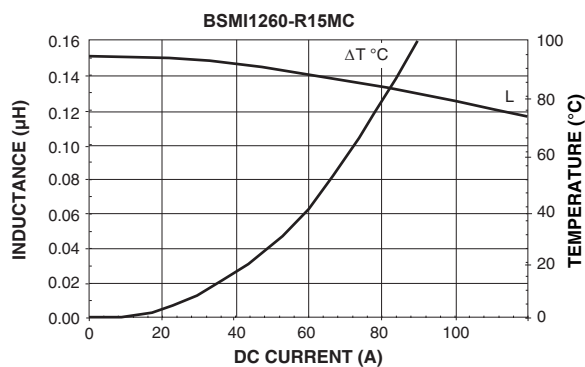
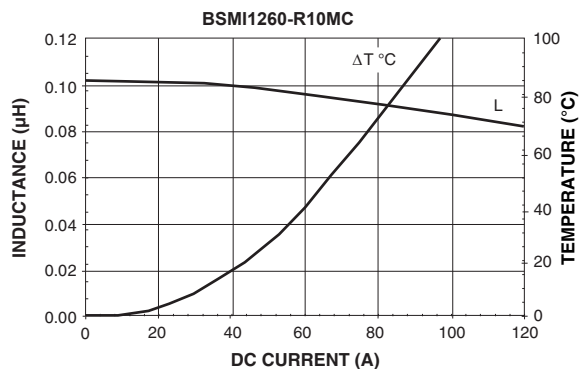
SMD /Molding Type



BSMI1250

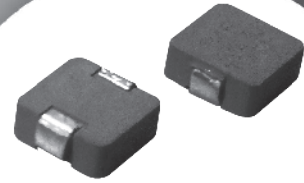


BSMI1260

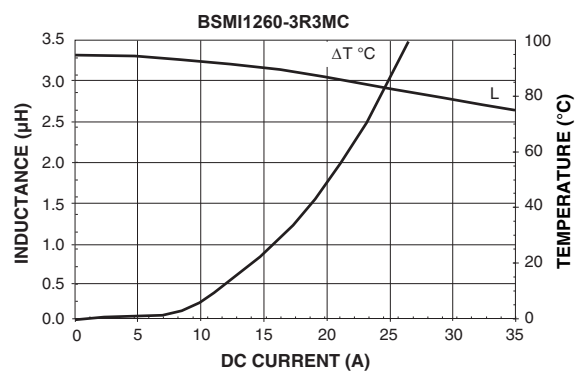
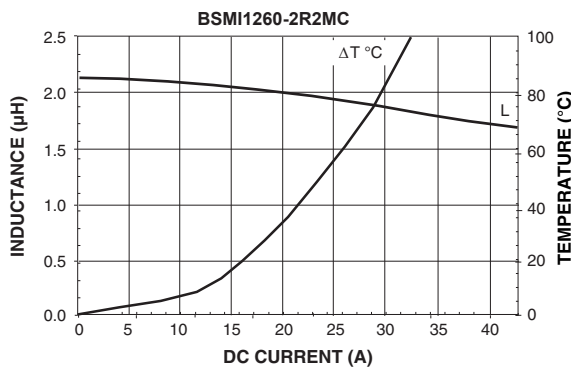
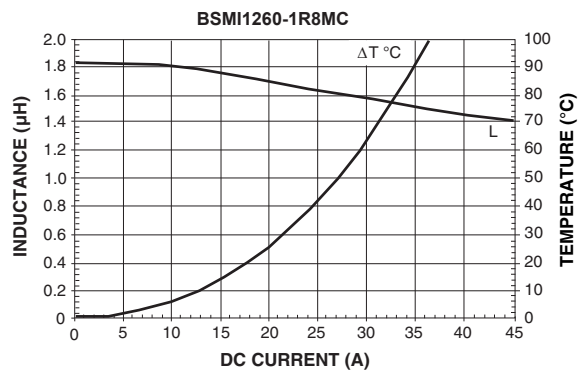
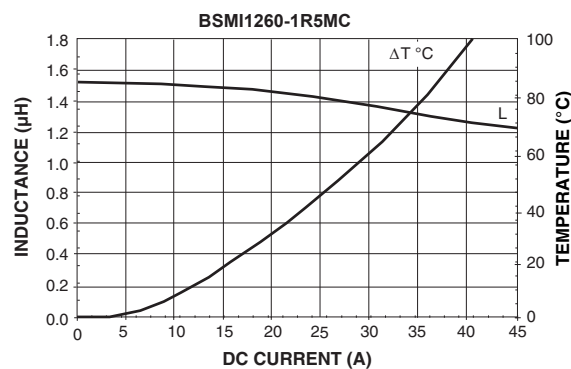
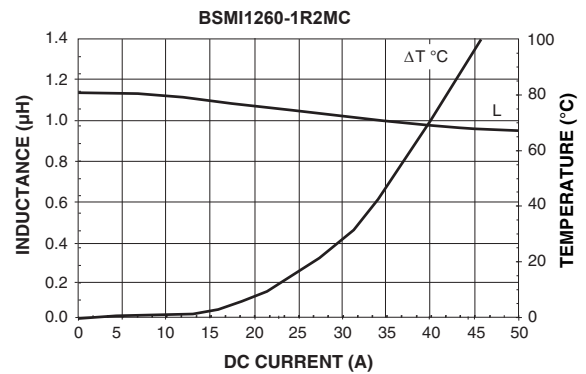
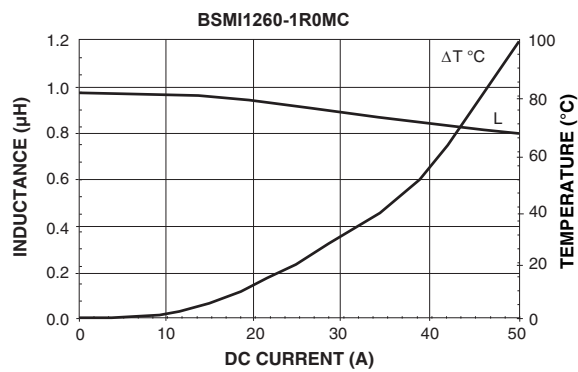
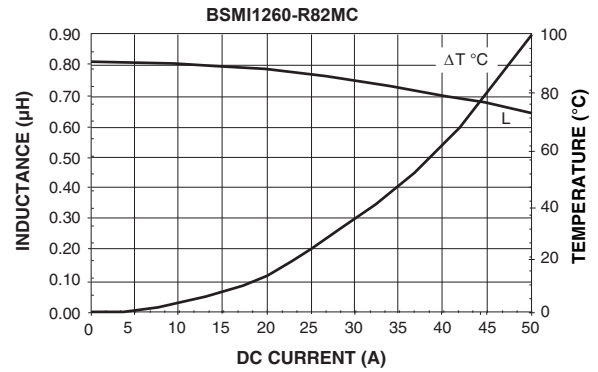
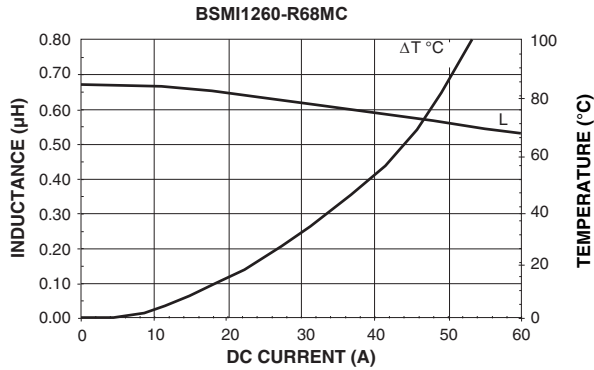


Power Inductor

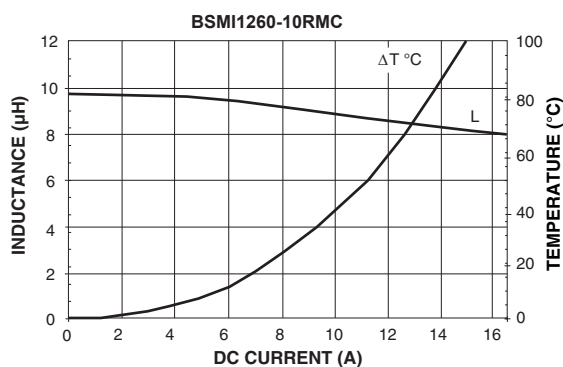
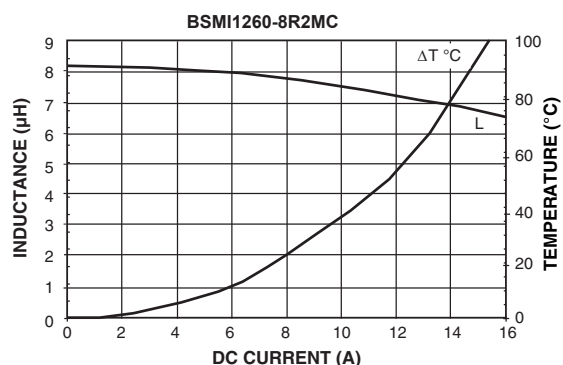
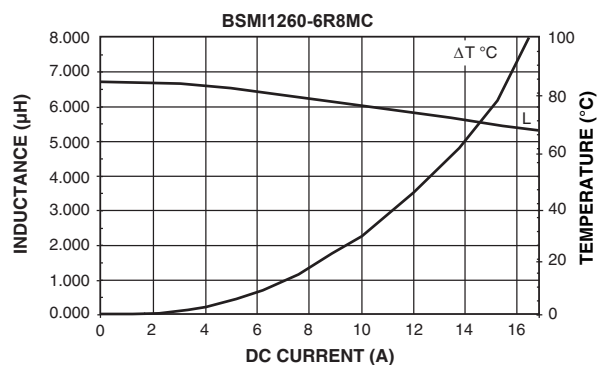
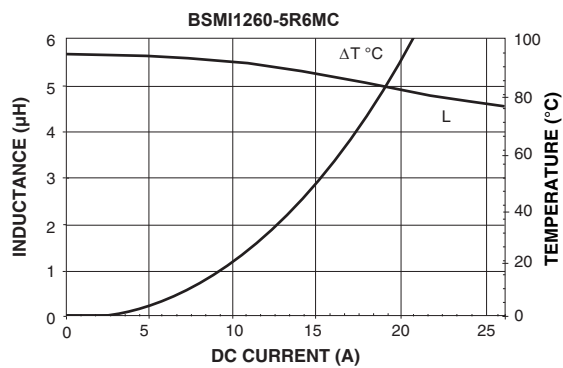
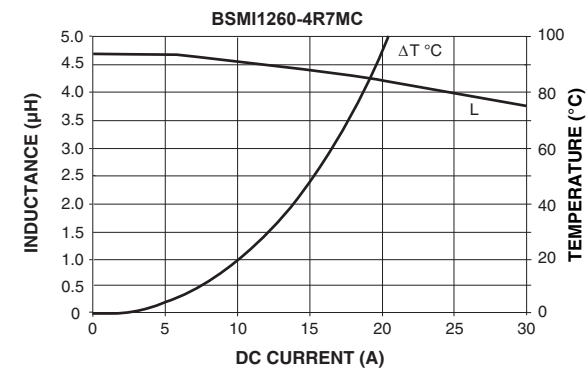
SMD / Molding Type



BSMI1260



BSMI1260



Power Inductor

SMD /Molding Type



WCI series

FEATURES

1. Leaching resistant terminations due to metal tab electrodes.
2. Coils encapsulated in heat-proof resin make high accurate dimensions and resistant to mechanical shock or pressure.
3. High resistance to heat and humidity.
4. The products contain no lead and also support lead-free soldering.

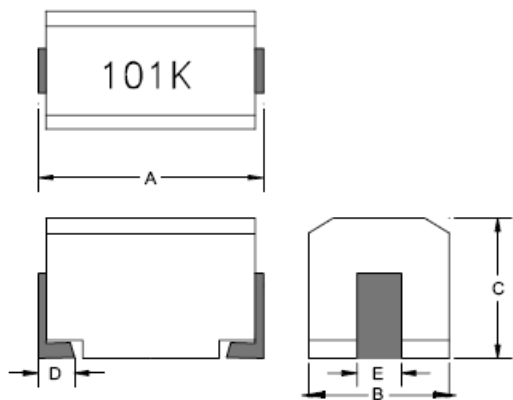


APPLICATIONS

- Microtelevisions, liquid crystal television, video camera, portable VCRs, car radios, car stereos, thin type radio, television tuners, mobile telephones, radio equipment, modules such as hybrid ICs.

PARTNUMBER

DIMENSIONS



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
3225	3.2±0.3	2.5±0.2	2.2±0.2	0.6 typ.	1.0±0.2
4532	4.5±0.3	3.2±0.2	3.2±0.2	1.2 typ.	1.1±0.2

WCI	3225	—	1R8	K	F	V
A	B		C	D	E	F

A : Series

B : Dimension A x B

C : Inductance

D : Inductance Tolerance

E : Lead Free Code

F : ID Code

1R8=1.8uH

K=±10%, J=±5%,

L=±15%, M=±20%

WCI3225

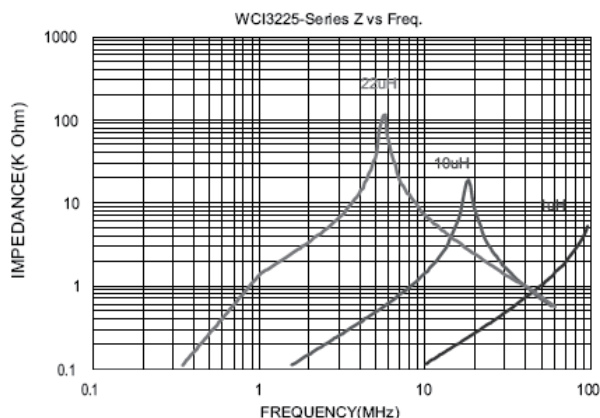
Part Number	Inductance (μ H)	Q (min)	Test Frequency (MHz)	SRF (MHz) min	DCR (Ω) Max	Rated Current (mA)
WCI3225-010K	0.010	15	100	2500	0.13	450
WCI3225-012K	0.012	17	100	2300	0.14	450
WCI3225-015K	0.015	19	100	2100	0.16	450
WCI3225-018K	0.018	21	100	1900	0.18	450
WCI3225-022K	0.022	23	100	1700	0.20	450
WCI3225-027K	0.027	23	100	1500	0.22	450
WCI3225-033K	0.033	25	100	1400	0.24	450
WCI3225-039K	0.039	25	100	1300	0.27	450
WCI3225-047K	0.047	26	100	1200	0.30	450
WCI3225-056K	0.056	26	100	1100	0.33	450
WCI3225-068K	0.068	27	100	1000	0.36	450
WCI3225-082K	0.082	27	100	900	0.40	450
WCI3225-R10K	0.10	28	100	700	0.44	450
WCI3225-R12K	0.12	30	25.2	500	0.22	450
WCI3225-R15K	0.15	30	25.2	450	0.25	450
WCI3225-R18K	0.18	30	25.2	400	0.28	450
WCI3225-R22K	0.22	30	25.2	350	0.30	450
WCI3225-R27K	0.27	30	25.2	320	0.36	450
WCI3225-R33K	0.33	30	25.2	300	0.40	450
WCI3225-R39K	0.39	30	25.2	250	0.45	450
WCI3225-R47K	0.47	30	25.2	220	0.50	450
WCI3225-R56K	0.56	30	25.2	180	0.55	450
WCI3225-R68K	0.68	30	25.2	160	0.60	450
WCI3225-R82K	0.82	30	25.2	140	0.65	450
WCI3225-1R0K	1.0	30	7.96	120	0.70	400
WCI3225-1R2K	1.2	30	7.96	100	0.75	390
WCI3225-1R5K	1.5	30	7.96	85	0.85	370
WCI3225-1R8K	1.8	30	7.96	80	0.90	350
WCI3225-2R2K	2.2	30	7.96	75	1.0	320
WCI3225-2R7K	2.7	30	7.96	70	1.1	290
WCI3225-3R3K	3.3	30	7.96	60	1.2	260
WCI3225-3R9K	3.9	30	7.96	55	1.3	250
WCI3225-4R7K	4.7	30	7.96	50	1.5	220
WCI3225-5R6K	5.6	30	7.96	47	1.6	200
WCI3225-6R8K	6.8	30	7.96	43	1.8	180
WCI3225-8R2K	8.2	30	7.96	40	2.0	170
WCI3225-100K	10	30	2.52	36	2.1	150
WCI3225-120K	12	30	2.52	33	2.5	140
WCI3225-150K	15	30	2.52	30	2.8	130
WCI3225-180K	18	30	2.52	27	3.3	120
WCI3225-220K	22	30	2.52	25	3.7	110
WCI3225-270K	27	30	2.52	20	5.0	80
WCI3225-330K	33	30	2.52	17	5.6	70
WCI3225-390K	39	30	2.52	16	6.4	65
WCI3225-470K	47	30	2.52	15	7.0	60
WCI3225-560K	56	30	2.52	16	8.0	55
WCI3225-680K	68	30	2.52	12	9.0	50
WCI3225-820K	82	30	2.52	11	10	45
WCI3225-101K	100	20	0.796	10	10	40
WCI3225-121K	120	20	0.796	10	11	70
WCI3225-151K	150	20	0.796	8	15	65
WCI3225-181K	180	20	0.796	7	17	65
WCI3225-221K	220	20	0.796	7	21	50

Power Inductor

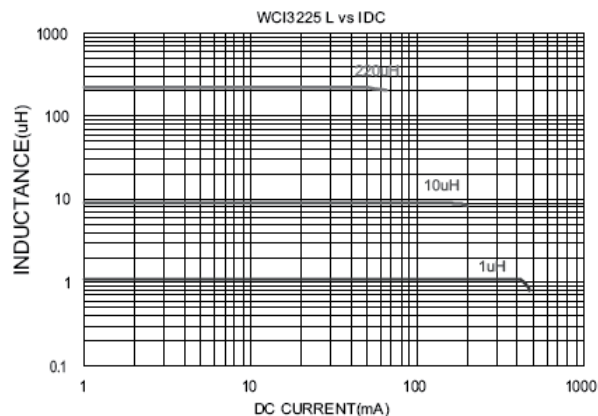
SMD /Molding Type



■ Impedance - Frequency Characteristics



■ Inductance - Current Characteristics



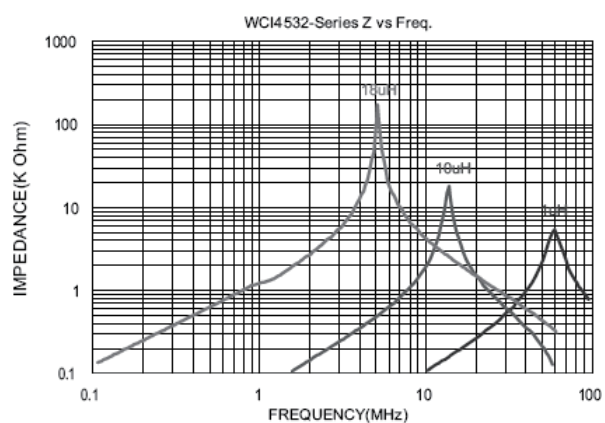
WCI4532

Part Number	Inductance (uH)	Q (min)	Test Frequency (MHz)	SRF (MHz) min	DCR (Ω) Max	Rated Current (mA)
WCI4532-R10K	0.10	35	25.2	300	0.18	800
WCI4532-R12K	0.12	35	25.2	280	0.20	770
WCI4532-R15K	0.15	35	25.2	250	0.22	730
WCI4532-R18K	0.18	35	25.2	200	0.25	665
WCI4532-R22K	0.22	35	25.2	220	0.24	700
WCI4532-R27K	0.27	40	25.2	180	0.26	635
WCI4532-R33K	0.33	40	25.2	165	0.28	605
WCI4532-R39K	0.39	40	25.2	150	0.30	575
WCI4532-R47K	0.47	40	25.2	145	0.32	545
WCI4532-R56K	0.56	40	25.2	140	0.36	520
WCI4532-R68K	0.68	40	25.2	135	0.40	500
WCI4532-R82K	0.82	40	25.2	130	0.45	475
WCI4532-1R0K	1.0	50	7.96	100	0.50	450
WCI4532-1R2K	1.2	50	7.96	80	0.55	430
WCI4532-1R5K	1.5	50	7.96	70	0.60	410
WCI4532-1R8K	1.8	50	7.96	60	0.65	390
WCI4532-2R2K	2.2	50	7.96	55	0.70	380
WCI4532-2R7K	2.7	50	7.96	50	0.75	370
WCI4532-3R3K	3.3	50	7.96	45	0.80	355
WCI4532-3R9K	3.9	50	7.96	40	0.90	330
WCI4532-4R7K	4.7	50	7.96	35	1.00	315
WCI4532-5R6K	5.6	50	7.96	33	1.10	300
WCI4532-6R8K	6.8	50	7.96	27	1.20	285
WCI4532-8R2K	8.2	50	7.96	25	1.40	270
WCI4532-100K	10	50	2.52	20	1.60	250
WCI4532-120K	12	50	2.52	18	2.00	225
WCI4532-150K	15	50	2.52	17	2.50	200
WCI4532-180K	18	50	2.52	15	2.80	190
WCI4532-220K	22	50	2.52	13	3.20	180
WCI4532-270K	27	50	2.52	12	3.60	170
WCI4532-330K	33	50	2.52	11	4.00	160
WCI4532-390K	39	50	2.52	10	4.50	150
WCI4532-470K	47	50	2.52	10	5.00	140

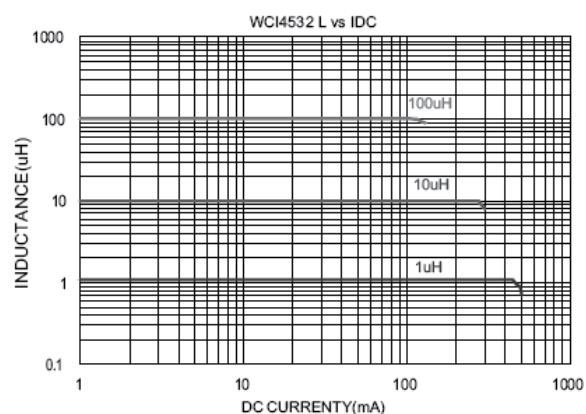
WCI4532

Part Number	Inductance (μ H)	Q (min)	Test Frequency (MHz)	SRF (MHz) min	DCR (Ω) Max	Rated Current (mA)
WCI4532-560K	56	50	2.52	9.0	5.50	135
WCI4532-680K	68	50	2.52	9.0	6.0	130
WCI4532-820K	82	50	2.52	8.0	7.0	120
WCI4532-101K	100	40	0.796	8.0	8.0	110
WCI4532-121K	120	40	0.796	6.0	8.0	110
WCI4532-151K	150	40	0.796	5.0	9.0	105
WCI4532-181K	180	40	0.796	5.0	9.5	102
WCI4532-221K	220	40	0.796	4.0	10	100
WCI4532-271K	270	40	0.796	3.5	14	85
WCI4532-331K	330	40	0.796	3.5	14	85
WCI4532-391K	390	40	0.796	3.0	18	80
WCI4532-471K	470	40	0.796	3.0	26	62
WCI4532-561K	560	30	0.796	3.0	30	50
WCI4532-681K	680	30	0.796	3.0	30	50
WCI4532-821K	820	30	0.796	2.5	35	30
WCI4532-102K	1000	20	0.252	2.5	40	30

■ Impedance v.s. Frequency Characteristics

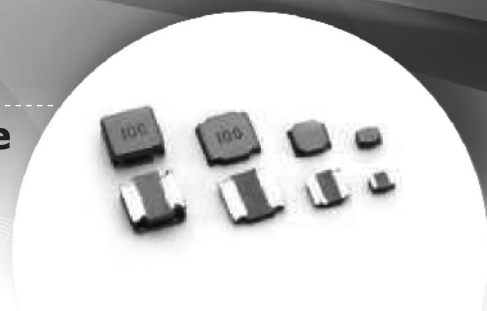


■ Inductance v.s. DC Current Characteristics



Power Inductor

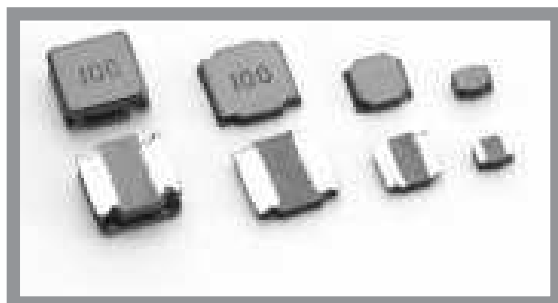
SMD /Shielded Type



BPC series

FEATURES

1. Power supply PWM circuit input / output inductor
2. Power line noise suppression
3. DC-DC Converter
4. To help you go pass CE/FCC standard



APPLICATIONS

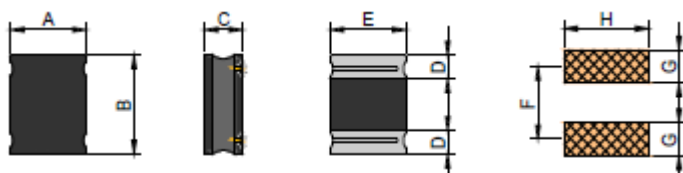
1. TFT/ WiFi/ MobilePhone/ MP3/ PDA....etc.
2. Low profile for all compact designs

PARTNUMBER

BPC	2512	—	R47	M	C	F	V
A	B		C	D	E	F	G

A: PRODUCT FAMILY
 B: SIZE
 C: INDUCTANCE VALUE
 D: TOLERANCE
 E: COATING
 F: Lead Free Code
 G: ID CODE

DIMENSIONS



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
2512	2.1	2.6	1.2	0.4	2.1	1.7	0.9	2.1
3010	3.1	3.1	1.0	0.9	2.7	1.7	1.0	2.7
3015	3.1	3.1	1.5	0.9	2.7	1.7	1.0	2.7
6012	6.2	6.2	1.2	1.15	5.1	4.7	1.6	5.7
6045	6.2	6.2	4.5	1.15	5.1	4.7	1.6	5.7
8040	8.2	8.2	4.2	1.6	6.3	5.6	1.8	7.5

BPC2512

BW Part Number	Inductance (μ H)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.m Ω	Max.m Ω		
BPC2512-R47MC	0.47	M,N	47	56	3700	2200
BPC2512-1R0MC	1.00	M,N	73	88	2700	1800
BPC2512-1R5MC	1.50	M,N	105	126	2200	1500
BPC2512-2R2MC	2.20	M	129	155	2000	1300
BPC2512-3R3MC	3.30	M	227	272	1600	1000
BPC2512-4R7MC	4.70	M	338	406	1300	810
BPC2512-5R6MC	5.60	M	375	450	1150	720
BPC2512-6R8MC	6.80	M	510	612	1100	660
BPC2512-100MC	10.00	M	630	756	900	590

BPC3010

BW Part Number	Inductance (μ H)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.m Ω	Max.m Ω		
BPC3010-1R0MC	1.00	M,N	65	78	1950	1700
BPC3010-1R2MC	1.20	M,N	80	96	1900	1650
BPC3010-1R5MC	1.50	M,N	80	96	1600	1650
BPC3010-1R8MC	1.80	N	88	105	1520	1520
BPC3010-2R2MC	2.20	M	95	114	1450	1450
BPC3010-3R3MC	3.30	M	160	192	1050	1300
BPC3010-4R7MC	4.70	M	190	228	950	1100
BPC3010-6R8MC	6.80	M	300	360	760	850
BPC3010-100MC	10.00	M	450	540	610	720
BPC3010-150MC	15.00	M	740	888	480	560
BPC3010-220MC	22.00	M	980	1176	420	500
BPC3010-330MC	33.00	M	1550	1860	340	415
BPC3010-470MC	47.00	M	2000	2400	270	320

BPC3015

BW Part Number	Inductance (μ H)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.m Ω	Max.m Ω		
BPC3015-1R0MC	1.00	M,N	40	48	2350	2350
BPC3015-1R5MC	1.50	M,N	55	66	2000	2100
BPC3015-1R8MC	1.80	N	60	72	1830	1950
BPC3015-2R2MC	2.20	M	60	72	1650	1800
BPC3015-3R3MC	3.30	M	93	112	1400	1600
BPC3015-4R7MC	4.70	M	113	136	1200	1400
BPC3015-6R8MC	6.80	M	176	211	1050	1100
BPC3015-100MC	10.00	M	234	276	880	1000
BPC3015-150MC	15.00	M	352	422	680	800
BPC3015-220MC	22.00	M	510	622	580	600
BPC3015-330MC	33.00	M	799	959	460	500
BPC3015-470MC	47.00	M	1172	1406	380	400
BPC3015-101MC	100.00	M	2433	2920	270	290

BPC4010

BW Part Number	Inductance (μ H)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.m Ω	Max.m Ω		
BPC4010-1R0MC	1.00	N	100	120	1800	1050
BPC4010-2R2MC	2.20	N	150	180	1150	890
BPC4010-3R3MC	3.30	M	180	216	1100	820
BPC4010-4R7MC	4.70	M	210	252	900	750
BPC4010-6R8MC	6.80	M	300	360	740	620
BPC4010-100MC	10.00	M	380	456	560	600
BPC4010-150MC	15.00	M	510	612	470	510
BPC4010-220MC	22.00	M	870	1044	360	400
BPC4010-330MC	33.00	M	1540	1848	280	300
BPC4010-470MC	47.00	M	1810	2172	240	280



Power Inductor

SMD /Shielded Type



BPC6012

BW Part Number	Inductance (μH)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.mΩ	Max.mΩ		
BPC6012-1R0MC	1.00	N	50	65	2800	2300
BPC6012-1R5MC	1.50	N	65	85	2400	2000
BPC6012-2R5MC	2.50	N	90	108	2100	1730
BPC6012-4R0MC	4.00	N	105	126	1800	1570
BPC6012-5R3MC	5.30	M	110	132	1500	1400
BPC6012-6R8MC	6.80	M	165	198	1300	1180
BPC6012-100MC	10.00	M	235	282	1000	1000
BPC6012-150MC	15.00	M	330	396	800	790
BPC6012-220MC	22.00	M	530	636	760	630
BPC6012-330MC	33.00	M	700	840	590	530
BPC6012-470MC	47.00	M	1050	1260	520	460
BPC6012-680MC	68.00	M	1350	1620	440	410
BPC6012-101MC	100.00	M	2180	2616	350	320

BPC6045

BW Part Number	Inductance (μH)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.mΩ	Max.mΩ		
BPC6045-1R0MC	1.00	N	14.0	18.2	8500	4200
BPC6045-1R3MC	1.30	N	16.0	20.8	8000	4000
BPC6045-1R8MC	1.80	N	18.0	23.4	7000	3700
BPC6045-2R3MC	2.30	N	21.0	27.3	6000	3500
BPC6045-3R0MC	3.00	N	24.0	31.2	5000	3200
BPC6045-4R5MC	4.50	M	31.0	40.3	4000	3000
BPC6045-6R3MC	6.30	M	38.0	49.4	3800	2800
BPC6045-100MC	10.00	M	47.0	61.1	3000	2500
BPC6045-150MC	15.00	M	77.0	100.1	2300	1900
BPC6045-220MC	22.00	M	115.0	149.5	1900	1500
BPC6045-330MC	33.00	M	145.0	188.5	1500	1400
BPC6045-470MC	47.00	M	220.0	286.0	1300	1100
BPC6045-680MC	68.00	M	330.0	429.0	1000	900
BPC6045-101MC	100.00	M	500.0	650.0	800	700

BPC8040

BW Part Number	Inductance (μH)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.mΩ	Max.mΩ		
BPC8040-R90MC	0.90	N	6.0	8.0	11000	7800
BPC8040-1R4MC	1.40	N	7.0	10.0	9000	7000
BPC8040-1R8MC	1.80	M	9.0	11.7	8000	6500
BPC8040-2R0MC	2.00	N	9.0	12.0	7400	6300
BPC8040-2R5MC	2.50	N	12.0	16.0	6400	5400
BPC8040-3R6MC	3.60	N	15.0	20.0	5300	4900
BPC8040-4R7MC	4.70	N	18.0	24.0	4700	4100
BPC8040-6R8MC	6.80	N	25.0	33.0	4000	3700
BPC8040-100MC	10.00	M	34.0	45.0	3400	3100
BPC8040-150MC	15.00	M	50.0	65.0	2700	2400
BPC8040-220MC	22.00	M	66.0	86.0	2200	2200
BPC8040-330MC	33.00	M	100.0	130.0	1900	1700
BPC8040-470MC	47.00	M	150.0	195.0	1500	1400
BPC8040-680MC	68.00	M	230.0	299.0	1200	1100
BPC8040-101MC	100.00	M	290.0	377.0	1000	1000

SSL series

FEATURES

1. Excellent solderability and high heat resistance.
2. Low cost and packed in embossed carrier tape.
3. The products contain no lead and also support lead-free soldering



APPLICATIONS

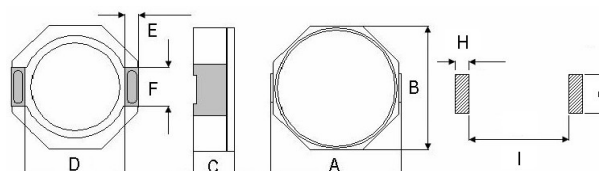
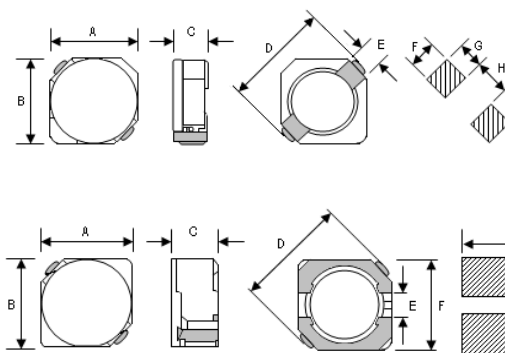
- Ideal use in notebook, hard disk and other electronic equipment.

PARTNUMBER

SSL	2D11	—	100	M	F	V
A	B		C	D	E	F

A : Series
 B : Dimension
 C : Inductance
 D : Inductance Tolerance M=±20% N=±30%
 E : Lead Free Code
 F : ID Code

DIMENSIONS



size	A	B	C	D	E	F	G	H	I	Fig
SSL-2D14	3.20±0.3	3.20±0.3	1.55 max	4.5 max	1.00 typ	1.30	1.30	1.70	-	1
SSL-3D16	3.80±0.3	3.80±0.3	1.80 max	5.20 max	1.00 typ	1.20	4.30	1.60	1.20	2
SSL-4D18	4.70±0.3	4.70±0.3	2.00 max	6.90 max	1.50 typ	1.50	5.30	1.90	1.50	2
SSL-4D28	4.70±0.3	4.70±0.3	3.00 max	6.90 max	1.50 typ	1.50	5.30	1.90	1.50	2
SSL-5D18	5.70±0.3	5.70±0.3	2.00 max	8.20 max	2.00 typ	2.00	6.30	2.15	2.00	2
SSL-5D28	5.70±0.3	5.70±0.3	3.00 max	8.20 max	2.00 typ	2.00	6.30	2.15	2.00	2
SSL-6D28	6.70±0.3	6.70±0.3	3.00 max	9.50 max	2.00 typ	2.00	7.30	2.65	2.00	2
SSL-6D38	6.70±0.3	6.70±0.3	4.00 max	9.50 max	2.00 typ	2.00	7.30	2.65	2.00	2
SSL-8D43	8.00±0.3	8.00±0.3	4.50 max	6.30 max	1.20 typ	4.00	2.80	2.00	6.10	3



Power Inductor

SMD /Shielded Type



SSL 2D14

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
SSL2D14-1R5Y	1.5±30%	0.1V/100K	0.063	1.80
SSL2D14-1R8Y	1.8±30%	0.1V/100K	0.075	1.65
SSL2D14-2R2Y	2.2±30%	0.1V/100K	0.094	1.50
SSL2D14-2R7Y	2.7±30%	0.1V/100K	0.106	1.35
SSL2D14-3R3Y	3.3±30%	0.1V/100K	0.125	1.20
SSL2D14-3R9Y	3.9±30%	0.1V/100K	0.138	1.10
SSL2D14-4R7Y	4.7±30%	0.1V/100K	0.169	1.00
SSL2D14-5R6Y	5.6±30%	0.1V/100K	0.188	0.95
SSL2D14-6R8Y	6.8±30%	0.1V/100K	0.213	0.85
SSL2D14-8R2Y	8.2±30%	0.1V/100K	0.281	0.80
SSL2D14-100Y	10±30%	0.1V/100K	0.294	0.70
SSL2D14-120Y	12±30%	0.1V/100K	0.394	0.62

SSL 2D18

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
SSL2D18-2R2Y	2.2±30%	0.1V/100K	0.041	0.85
SSL2D18-3R3Y	3.3±30%	0.1V/100K	0.054	0.75
SSL2D18-4R7Y	4.7±30%	0.1V/100K	0.078	0.63
SSL2D18-6R8Y	6.8±30%	0.1V/100K	0.106	0.52
SSL2D18-100Y	10±30%	0.1V/100K	0.180	0.43
SSL2D18-150Y	15±30%	0.1V/100K	0.220	0.35
SSL2D18-220Y	22±30%	0.1V/100K	0.320	0.30
SSL2D18-330Y	33±30%	0.1V/100K	0.460	0.24
SSL2D18-470Y	47±30%	0.1V/100K	0.660	0.20

SSL 3D16

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
SSL3D16-3R3Y	3.3±30%	0.1V/100K	0.066	0.80
SSL3D16-3R9Y	3.9±30%	0.1V/100K	0.081	0.75
SSL3D16-4R7Y	4.7±30%	0.1V/100K	0.091	0.68
SSL3D16-5R6Y	5.6±30%	0.1V/100K	0.102	0.62
SSL3D16-6R8Y	6.8±30%	0.1V/100K	0.130	0.58
SSL3D16-8R2Y	8.2±30%	0.1V/100K	0.140	0.51
SSL3D16-100Y	10±30%	0.1V/100K	0.190	0.46
SSL3D16-120Y	12±30%	0.1V/100K	0.205	0.42
SSL3D16-150Y	15±30%	0.1V/100K	0.272	0.38
SSL3D16-180Y	18±30%	0.1V/100K	0.327	0.34
SSL3D16-220Y	22±30%	0.1V/100K	0.356	0.31
SSL3D16-270Y	27±30%	0.1V/100K	0.470	0.28
SSL3D16-330Y	33±30%	0.1V/100K	0.560	0.26
SSL3D16-390Y	39±30%	0.1V/100K	0.700	0.24
SSL3D16-470Y	47±30%	0.1V/100K	0.775	0.21

SSL 4D18

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
SSL4D18-1R0Y	1.0±30%	0.1V/100K	0.045	1.72
SSL4D18-2R2Y	2.2±30%	0.1V/100K	0.075	1.32
SSL4D18-2R7Y	2.7±30%	0.1V/100K	0.105	1.28
SSL4D18-3R3Y	3.3±30%	0.1V/100K	0.110	1.04
SSL4D18-3R9Y	3.9±30%	0.1V/100K	0.155	0.88
SSL4D18-4R7Y	4.7±30%	0.1V/100K	0.162	0.84
SSL4D18-5R6Y	5.6±30%	0.1V/100K	0.170	0.80
SSL4D18-6R8Y	6.8±30%	0.1V/100K	0.200	0.76
SSL4D18-8R2Y	8.2±30%	0.1V/100K	0.245	0.68
SSL4D18-100Y	10±30%	0.1V/100K	0.200	0.61
SSL4D18-120Y	12±30%	0.1V/100K	0.210	0.56
SSL4D18-150Y	15±30%	0.1V/100K	0.240	0.50
SSL4D18-180Y	18±30%	0.1V/100K	0.338	0.48
SSL4D18-220Y	22±30%	0.1V/100K	0.397	0.41
SSL4D18-270Y	27±30%	0.1V/100K	0.441	0.35
SSL4D18-330Y	33±30%	0.1V/100K	0.694	0.32
SSL4D18-390Y	39±30%	0.1V/100K	0.709	0.30
SSL4D18-470Y	47±30%	0.1V/100K	0.922	0.28
SSL4D18-560Y	56±30%	0.1V/100K	1.080	0.26
SSL4D18-680Y	68±30%	0.1V/100K	1.300	0.24
SSL4D18-820Y	82±30%	0.1V/100K	1.550	0.22
SSL4D18-101Y	100±30%	0.1V/100K	1.730	0.20

SSL 4D28

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
SSL4D28-1R2Y	1.2±30%	0.1V/100K	0.024	2.56
SSL4D28-1R8Y	1.8±30%	0.1V/100K	0.028	2.20
SSL4D28-2R2Y	2.2±30%	0.1V/100K	0.031	2.04
SSL4D28-2R7Y	2.7±30%	0.1V/100K	0.043	1.60
SSL4D28-3R3Y	3.3±30%	0.1V/100K	0.049	1.57
SSL4D28-3R9Y	3.9±30%	0.1V/100K	0.065	1.44
SSL4D28-4R7Y	4.7±30%	0.1V/100K	0.072	1.32
SSL4D28-5R6Y	5.6±30%	0.1V/100K	0.101	1.17
SSL4D28-6R8Y	6.8±30%	0.1V/100K	0.109	1.12
SSL4D28-8R2Y	8.2±30%	0.1V/100K	0.118	1.04
SSL4D28-100Y	10±30%	0.1V/100K	0.128	1.00
SSL4D28-120Y	12±30%	0.1V/100K	0.132	0.84



Power Inductor

SMD /Shielded Type



SSL 4D28

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
SSL4D28-150Y	15±30%	0.1V/100K	0.149	0.76
SSL4D28-180Y	18±30%	0.1V/100K	0.166	0.72
SSL4D28-220Y	22±30%	0.1V/100K	0.235	0.70
SSL4D28-270Y	27±30%	0.1V/100K	0.261	0.58
SSL4D28-330Y	33±30%	0.1V/100K	0.378	0.56
SSL4D28-390Y	39±30%	0.1V/100K	0.384	0.50
SSL4D28-680Y	68±30%	0.1V/100K	0.699	0.35
SSL4D28-820Y	82±30%	0.1V/100K	0.915	0.32
SSL4D28-101Y	100±30%	0.1V/100K	1.020	0.29
SSL4D28-121Y	120±30%	0.1V/100K	1.270	0.27
SSL4D28-151Y	150±30%	0.1V/100K	1.350	0.24
SSL4D28-181Y	180±30%	0.1V/100K	1.540	0.22
SSL4D28-221Y	220±30%	0.1V/100K	1.720	0.20
SSL4D28-271Y	270±30%	0.1V/100K	1.950	0.16
SSL4D28-331Y	330±30%	0.1V/100K	2.660	0.14
SSL4D28-391Y	390±30%	0.1V/100K	2.830	0.13

SSL 5D18

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
SSL5D18-4R1Y	4.1±30%	0.1V/100K	0.057	1.95
SSL5D18-5R4Y	5.4±30%	0.1V/100K	0.076	1.60
SSL5D18-6R2Y	6.2±30%	0.1V/100K	0.096	1.40
SSL5D18-8R9Y	8.9±30%	0.1V/100K	0.116	1.25
SSL5D18-100Y	10.0±30%	0.1V/100K	0.124	1.20
SSL5D18-120Y	12.0±30%	0.1V/100K	0.153	1.10
SSL5D18-150Y	15.0±30%	0.1V/100K	0.196	0.97
SSL5D18-180Y	180±30%	0.1V/100K	0.210	0.85
SSL5D18-220Y	220±30%	0.1V/100K	0.290	0.80
SSL5D18-270Y	270±30%	0.1V/100K	0.330	0.75
SSL5D18-330Y	330±30%	0.1V/100K	0.386	0.65
SSL5D18-390Y	390±30%	0.1V/100K	0.520	0.57
SSL5D18-470Y	47±30%	0.1V/100K	0.595	0.54
SSL5D18-560Y	56±30%	0.1V/100K	0.665	0.50
SSL5D18-680Y	68±30%	0.1V/100K	0.840	0.43
SSL5D18-820Y	82±30%	0.1V/100K	0.978	0.41
SSL5D18-101Y	100±30%	0.1V/100K	1.200	0.36
SSL5D18-121Y	120±30%	0.1V/100K	1.500	0.33
SSL5D18-151Y	150±30%	0.1V/100K	1.710	0.31
SSL5D18-181Y	180±30%	0.1V/100K	2.240	0.28
SSL5D18-221Y	220±30%	0.1V/100K	2.440	0.23
SSL5D18-331Y	330±30%	0.1V/100K	4.430	0.18

SSL 5D28

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
SSL5D28-2R6Y	2.6±30%	0.1V/100K	0.018	2.60
SSL5D28-3R0Y	3.0±30%	0.1V/100K	0.024	2.40
SSL5D28-4R2Y	4.2±30%	0.1V/100K	0.031	2.20
SSL5D28-5R3Y	5.3±30%	0.1V/100K	0.038	1.90
SSL5D28-6R2Y	6.2±30%	0.1V/100K	0.045	1.80
SSL5D28-8R2Y	8.2±30%	0.1V/100K	0.053	1.60
SSL5D28-100Y	10±30%	0.1V/100K	0.065	1.30
SSL5D28-120Y	12±30%	0.1V/100K	0.076	1.20
SSL5D28-150Y	15±30%	0.1V/100K	0.103	1.10
SSL5D28-180Y	18±30%	0.1V/100K	0.110	1.00
SSL5D28-220Y	22±30%	0.1V/100K	0.122	0.90
SSL5D28-270Y	27±30%	0.1V/100K	0.175	0.85
SSL5D28-330Y	33±30%	0.1V/100K	0.189	0.75
SSL5D28-390Y	39±30%	0.1V/100K	0.212	0.70

SSL 5D28

BW Part Number	Inductance (μ H) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
SSL5D28-470Y	47 $\pm$ 30%	0.1V/100K	0.260	0.62
SSL5D28-560Y	56 $\pm$ 30%	0.1V/100K	0.305	0.58
SSL5D28-680Y	68 $\pm$ 30%	0.1V/100K	0.355	0.52
SSL5D28-820Y	82 $\pm$ 30%	0.1V/100K	0.463	0.46
SSL5D28-101Y	100 $\pm$ 30%	0.1V/100K	0.520	0.42
SSL5D28-121Y	120 $\pm$ 30%	0.1V/100K	0.560	0.40
SSL5D28-151Y	150 $\pm$ 30%	0.1V/100K	0.680	0.35
SSL5D28-181Y	180 $\pm$ 30%	0.1V/100K	0.930	0.32
SSL5D28-221Y	220 $\pm$ 30%	0.1V/100K	1.150	0.30
SSL5D28-271Y	270 $\pm$ 30%	0.1V/100K	1.560	0.27
SSL5D28-331Y	330 $\pm$ 30%	0.1V/100K	1.980	0.25
SSL5D28-391Y	390 $\pm$ 30%	0.1V/100K	2.500	0.22
SSL5D28-471Y	470 $\pm$ 30%	0.1V/100K	2.700	0.20
SSL5D28-561Y	560 $\pm$ 30%	0.1V/100K	3.120	0.18
SSL5D28-681Y	680 $\pm$ 30%	0.1V/100K	4.150	0.16

SSL 6D28

BW Part Number	Inductance (μ H) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
SSL6D28-3R0Y	3.0 $\pm$ 30%	0.1V/100K	0.024	3.00
SSL6D28-3R9Y	3.9 $\pm$ 30%	0.1V/100K	0.027	2.60
SSL6D28-5R0Y	5.0 $\pm$ 30%	0.1V/100K	0.031	2.40
SSL6D28-6R0Y	6.0 $\pm$ 30%	0.1V/100K	0.035	2.25
SSL6D28-7R3Y	7.3 $\pm$ 30%	0.1V/100K	0.054	2.10
SSL6D28-8R6Y	8.6 $\pm$ 30%	0.1V/100K	0.058	1.85
SSL6D28-100Y	10 $\pm$ 30%	0.1V/100K	0.065	1.70
SSL6D28-120Y	12 $\pm$ 30%	0.1V/100K	0.070	1.55
SSL6D28-150Y	15 $\pm$ 30%	0.1V/100K	0.084	1.40
SSL6D28-180Y	18 $\pm$ 30%	0.1V/100K	0.095	1.32
SSL6D28-220Y	22 $\pm$ 30%	0.1V/100K	0.128	1.20
SSL6D28-270Y	27 $\pm$ 30%	0.1V/100K	0.142	1.05
SSL6D28-330Y	33 $\pm$ 30%	0.1V/100K	0.165	0.97
SSL6D28-390Y	39 $\pm$ 30%	0.1V/100K	0.210	0.86
SSL6D28-470Y	47 $\pm$ 30%	0.1V/100K	0.238	0.80
SSL6D28-560Y	56 $\pm$ 30%	0.1V/100K	0.277	0.73
SSL6D28-680Y	68 $\pm$ 30%	0.1V/100K	0.304	0.65
SSL6D28-820Y	82 $\pm$ 30%	0.1V/100K	0.390	0.60
SSL6D28-101Y	100 $\pm$ 30%	0.1V/100K	0.535	0.54
SSL6D28-121Y	120 $\pm$ 30%	0.1V/100K	0.750	0.51
SSL6D28-151Y	150 $\pm$ 30%	0.1V/100K	0.950	0.47
SSL6D28-181Y	180 $\pm$ 30%	0.1V/100K	1.200	0.41
SSL6D28-221Y	220 $\pm$ 30%	0.1V/100K	1.500	0.37
SSL6D28-271Y	270 $\pm$ 30%	0.1V/100K	1.700	0.33
SSL6D28-331Y	330 $\pm$ 30%	0.1V/100K	2.150	0.28
SSL6D28-391Y	390 $\pm$ 30%	0.1V/100K	2.250	0.27
SSL6D28-471Y	470 $\pm$ 30%	0.1V/100K	3.150	0.21
SSL6D28-561Y	560 $\pm$ 30%	0.1V/100K	3.750	0.20
SSL6D28-681Y	680 $\pm$ 30%	0.1V/100K	5.150	0.20



Power Inductor

SMD /Shielded Type



SSL 6D38

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
SSL6D38-3R3Y	3.3±30%	0.1V/100K	0.020	3.5
SSL6D38-5R0Y	5.0±30%	0.1V/100K	0.024	2.9
SSL6D38-6R2Y	6.2±30%	0.1V/100K	0.027	2.5
SSL6D38-7R4Y	7.4±30%	0.1V/100K	0.031	2.3
SSL6D38-8R7Y	8.7±30%	0.1V/100K	0.034	2.2
SSL6D38-100Y	10±30%	0.1V/100K	0.038	2.0
SSL6D38-120Y	12±30%	0.1V/100K	0.053	1.7
SSL6D38-150Y	15±30%	0.1V/100K	0.057	1.6
SSL6D38-180Y	18±30%	0.1V/100K	0.092	1.5
SSL6D38-220Y	22±30%	0.1V/100K	0.095	1.3
SSL6D28-270Y	27±30%	0.1V/100K	0.109	1.2
SSL6D38-330Y	33±30%	0.1V/100K	0.124	1.1
SSL6D38-390Y	39±30%	0.1V/100K	0.138	1.0
SSL6D38-470Y	47±30%	0.1V/100K	0.155	0.95
SSL6D38-560Y	56±30%	0.1V/100K	0.202	0.85
SSL6D38-680Y	68±30%	0.1V/100K	0.234	0.75
SSL6D38-820Y	82±30%	0.1V/100K	0.324	0.70
SSL6D38-101Y	100±30%	0.1V/100K	0.358	0.65
SSL6D38-121Y	120±30%	0.1V/100K	0.470	0.59
SSL6D38-151Y	150±30%	0.1V/100K	0.580	0.54
SSL6D38-181Y	180±30%	0.1V/100K	0.690	0.49
SSL6D38-221Y	220±30%	0.1V/100K	0.890	0.43
SSL6D38-270Y	270±30%	0.1V/100K	1.290	0.40
SSL6D38-331Y	330±30%	0.1V/100K	1.700	0.37
SSL6D38-391Y	390±30%	0.1V/100K	1.750	0.34
SSL6D38-471Y	470±30%	0.1V/100K	2.200	0.32
SSL6D38-561Y	560±30%	0.1V/100K	2.850	0.29
SSL6D38-681Y	680±30%	0.1V/100K	3.200	0.25
SSL6D38-821Y	820±30%	0.1V/100K	4.050	0.22
SSL6D38-102Y	1000±30%	0.1V/100K	5.700	0.20

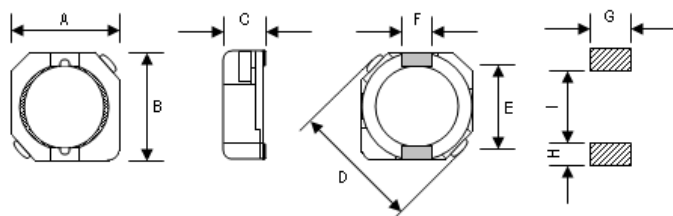
TPRH series

FEATURES

1. Magnetic Shielded surface mount inductor with high current rating.
2. Low resistance to keep power loss minimum.
3. Suitable for lead-free soldering.



DIMENSIONS



Size	A	B	C	D	E	F	G	H	I
TPRH1030	10.00±0.5	10.00±0.5	3.10 max	13.50 max	7.70±0.3	3.00	3.60	1.70	7.40
TPRH1040	10.00±0.5	10.00±0.5	4.10 max	13.50 max	7.70±0.3	3.00	3.60	1.70	7.40
TPRH1050	10.00±0.5	10.00±0.5	5.10 max	13.50 max	7.70±0.3	3.00	3.60	1.70	7.40

APPLICATIONS

- Excellent for power line DC-DC conversion applications used in hard disk notebook computers and other electronic equipment.

PARTNUMBER

TPRH	1050	—	2R2	M	F	V
A	B		C	D	E	F

- A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance M=±20% N=±30%
 E: Lead Free Code
 F: ID Code



Power Inductor

SMD /Shielded Type



TPRH 1030

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TPRH1030-1R5	1.5	100K	0.011	8.000
TPRH1030-2R2	2.2	100K	0.017	6.700
TPRH1030-3R3	3.3	100K	0.021	5.560
TPRH1030-4R7	4.7	100K	0.030	4.650
TPRH1030-6R8	6.8	100K	0.035	3.840
TPRH1030-8R2	8.2	100K	0.050	3.540
TPRH1030-100	10	100K	0.059	3.180
TPRH1030-150	15	100K	0.091	2.600
TPRH1030-220	22	100K	0.143	2.160
TPRH1030-270	27	100K	0.180	1.800
TPRH1030-330	33	100K	0.202	1.740
TPRH1030-390	39	100K	0.250	1.600
TPRH1030-470	47	100K	0.299	1.430
TPRH1030-560	56	100K	0.325	1.360
TPRH1030-680	68	100K	0.429	1.220
TPRH1030-820	82	100K	0.494	1.140
TPRH1030-101	100	100K	0.683	1.020
TPRH1030-121	120	100K	0.754	0.890
TPRH1030-151	150	100K	0.871	0.840

TPRH 1040

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TPRH1040-1R0	1.0	100K	0.007	10.000
TPRH1040-1R5	1.5	100K	0.009	10.000
TPRH1040-2R5	2.5	100K	0.011	7.500
TPRH1040-3R8	3.8	100K	0.013	6.000
TPRH1040-5R2	5.2	100K	0.022	5.500
TPRH1040-6R8	6.8	100K	0.027	4.800
TPRH1040-100	10	100K	0.035	4.400
TPRH1040-150	15	100K	0.050	3.600
TPRH1040-220	22	100K	0.073	2.900
TPRH1040-330	33	100K	0.093	2.300
TPRH1040-470	47	100K	0.128	2.100
TPRH1040-560	56	100K	0.180	1.700
TPRH1040-680	68	100K	0.213	1.500
TPRH1040-101	100	100K	0.304	1.350
TPRH1040-151	150	100K	0.506	1.150
TPRH1040-221	220	100K	0.756	0.920
TPRH1040-331	330	100K	1.090	0.720

TPRH 1050

BW Part Number	Inductance (μ H) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TPRH1050-1R5	1.5	100K	0.006	8.300
TPRH1050-2R2	2.2	100K	0.007	7.500
TPRH1050-3R3	3.3	100K	0.011	6.500
TPRH1050-4R7	4.7	100K	0.013	6.100
TPRH1050-6R8	6.8	100K	0.018	5.400
TPRH1050-8R2	8.2	100K	0.020	5.000
TPRH1050-100	10	100K	0.026	4.500
TPRH1050-120	12	100K	0.033	3.800
TPRH1050-150	15	100K	0.041	3.400
TPRH1050-180	18	100K	0.046	3.100
TPRH1050-220	22	100K	0.061	2.900
TPRH1050-270	27	100K	0.069	2.600
TPRH1050-330	33	100K	0.084	2.500
TPRH1050-390	39	100K	0.106	2.250
TPRH1050-470	47	100K	0.130	2.000
TPRH1050-560	56	100K	0.149	1.900
TPRH1050-680	68	100K	0.201	1.600
TPRH1050-820	82	100K	0.227	1.450
TPRH1050-101	100	100K	0.253	1.350

Power Inductor

SMD /Shielded Type



TPRHC series

FEATURES

1. Magnetic Shielded surface mount inductor with high current rating.
2. Low resistance to keep power loss minimum.
3. The products contain no lead and also support lead-free soldering.



APPLICATIONS

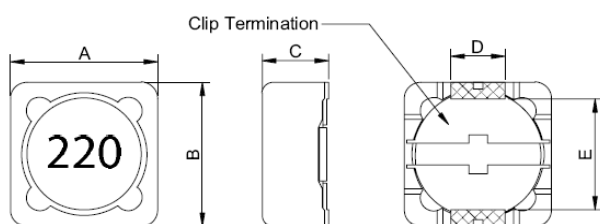
- Excellent for power line DC-DC conversion applications used in hard disk notebook computers and other electronic equipment.

PARTNUMBER

TPRHC	1204	—	3R9	Y	F	V
A	B		C	D	E	F

A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance M=±20%, Y=±30%
 E: Lead Free Code
 F: ID Code

DIMENSIONS



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
1204	12.0±0.3	12.0±0.3	5.0 max.	5.0±0.2	7.6±0.2
1205	12.0±0.3	12.0±0.3	6.0 max.	5.0±0.2	7.6±0.2
1207	12.0±0.3	12.0±0.3	8.0 max.	5.0±0.2	7.6±0.2

TPRHC 1204

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current
TPRHC 1204-3R9Y	3.9± 30%	1V/100K	0.015	6.50
TPRHC 1204-4R7Y	4.7± 30%	1V/100K	0.018	5.70
TPRHC 1204-6R8Y	6.8± 30%	1V/100K	0.023	4.90
TPRHC 1204-8R2Y	8.2± 30%	1V/100K	0.026	4.60
TPRHC 1204-100M	10± 20%	1V/100K	0.028	4.50
TPRHC 1204-120M	12± 20%	1V/100K	0.038	4.00
TPRHC 1204-150M	15± 20%	1V/100K	0.050	3.20
TPRHC 1204-180M	18± 20%	1V/100K	0.057	3.10
TPRHC 1204-220M	22± 20%	1V/100K	0.066	2.90
TPRHC 1204-270M	27± 20%	1V/100K	0.080	2.80
TPRHC 1204-330M	33± 20%	1V/100K	0.097	2.70
TPRHC 1204-390M	39± 20%	1V/100K	0.132	2.10
TPRHC 1204-470M	47± 20%	1V/100K	0.160	1.90
TPRHC 1204-560M	56± 20%	1V/100K	0.190	1.80
TPRHC 1204-680M	68± 20%	1V/100K	0.220	1.50
TPRHC 1204-820M	82± 20%	1V/100K	0.260	1.30
TPRHC 1204-101M	100± 20%	1V/100K	0.308	1.20
TPRHC 1204-121M	120± 20%	1V/100K	0.380	1.10
TPRHC 1204-151M	150± 20%	1V/100K	0.530	0.95
TPRHC 1204-181M	180± 20%	1V/100K	0.620	0.85
TPRHC 1204-221M	220± 20%	1V/100K	0.700	0.80
TPRHC 1204-271M	270± 20%	1V/100K	0.870	0.60
TPRHC 1204-331M	330± 20%	1V/100K	0.990	0.50

TPRHC 1205

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current
TPRHC 1205-1R3Y	1.3± 30%	1V/7.96M	0.012	8.00
TPRHC 1205-2R1Y	2.1± 30%	1V/7.96M	0.014	7.00
TPRHC 1205-3R1Y	3.1± 30%	1V/7.96M	0.017	6.00
TPRHC 1205-4R4Y	4.4± 30%	1V/7.96M	0.020	5.00
TPRHC 1205-5R8Y	5.8± 30%	1V/7.96M	0.021	4.40
TPRHC 1205-7R5Y	7.5± 30%	1V/7.96M	0.024	4.20
TPRHC 1205-100M	10± 20%	1V/1K	0.025	4.00
TPRHC 1205-120M	12± 20%	1V/1K	0.027	3.50
TPRHC 1205-150M	15± 20%	1V/1K	0.030	3.30
TPRHC 1205-180M	18± 20%	1V/1K	0.034	3.00
TPRHC 1205-220M	22± 20%	1V/1K	0.036	2.80
TPRHC 1205-270M	27± 20%	1V/1K	0.051	2.30
TPRHC 1205-330M	33± 20%	1V/1K	0.057	2.10
TPRHC 1205-390M	39± 20%	1V/1K	0.068	2.00
TPRHC 1205-470M	47± 20%	1V/1K	0.075	1.80
TPRHC 1205-560M	56± 20%	1V/1K	0.110	1.70
TPRHC 1205-680M	68± 20%	1V/1K	0.120	1.50
TPRHC 1205-820M	82± 20%	1V/1K	0.140	1.40
TPRHC 1205-101M	100± 20%	1V/1K	0.16	1.30
TPRHC 1205-121M	120± 20%	1V/1K	0.17	1.10
TPRHC 1205-151M	150± 20%	1V/1K	0.23	1.00
TPRHC 1205-181M	180± 20%	1V/1K	0.29	0.90
TPRHC 1205-221M	220± 20%	1V/1K	0.40	0.80
TPRHC 1205-271M	270± 20%	1V/1K	0.46	0.75
TPRHC 1205-331M	330± 20%	1V/1K	0.51	0.68
TPRHC 1205-391M	390± 20%	1V/1K	0.69	0.65
TPRHC 1205-471M	470± 20%	1V/1K	0.77	0.58
TPRHC 1205-561M	560± 20%	1V/1K	0.86	0.54
TPRHC 1205-681M	680± 20%	1V/1K	1.20	0.48
TPRHC 1205-821M	820± 20%	1V/1K	1.34	0.43
TPRHC 1205-102M	1000± 20%	1V/1K	1.53	0.40



Power Inductor

SMD /Shielded Type



TPRHC 1207

Part Number	Inductance (μ H)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current
TPRHC 1207-1R2Y	1.2 $\pm$ 30%	1V/100K	0.007	9.80
TPRHC 1207-2R4Y	2.4 $\pm$ 30%	1V/100K	0.012	8.00
TPRHC 1207-3R5Y	3.5 $\pm$ 30%	1V/100K	0.014	7.50
TPRHC 1207-4R7Y	4.7 $\pm$ 30%	1V/100K	0.016	6.80
TPRHC 1207-6R1Y	6.1 $\pm$ 30%	1V/100K	0.018	6.60
TPRHC 1207-7R6Y	7.6 $\pm$ 30%	1V/100K	0.020	5.90
TPRHC 1207-100M	10 $\pm$ 20%	1V/1K	0.022	5.40
TPRHC 1207-120M	12 $\pm$ 20%	1V/1K	0.024	4.90
TPRHC 1207-150M	15 $\pm$ 20%	1V/1K	0.027	4.50
TPRHC 1207-180M	18 $\pm$ 20%	1V/1K	0.039	3.90
TPRHC 1207-220M	22 $\pm$ 20%	1V/1K	0.043	3.60
TPRHC 1207-270M	27 $\pm$ 20%	1V/1K	0.046	3.40
TPRHC 1207-330M	33 $\pm$ 20%	1V/1K	0.065	3.00
TPRHC 1207-390M	39 $\pm$ 20%	1V/1K	0.073	2.75
TPRHC 1207-470M	47 $\pm$ 20%	1V/1K	0.100	2.50
TPRHC 1207-560M	56 $\pm$ 20%	1V/1K	0.110	2.35
TPRHC 1207-680M	68 $\pm$ 20%	1V/1K	0.140	2.10
TPRHC 1207-820M	82 $\pm$ 20%	1V/1K	0.160	1.95
TPRHC 1207-101M	100 $\pm$ 20%	1V/1K	0.220	1.70
TPRHC 1207-121M	120 $\pm$ 20%	1V/1K	0.250	1.60
TPRHC 1207-151M	150 $\pm$ 20%	1V/1K	0.280	1.42
TPRHC 1207-181M	180 $\pm$ 20%	1V/1K	0.350	1.30
TPRHC 1207-221M	220 $\pm$ 20%	1V/1K	0.390	1.16
TPRHC 1207-271M	270 $\pm$ 20%	1V/1K	0.560	1.06
TPRHC 1207-331M	330 $\pm$ 20%	1V/1K	0.640	0.95
TPRHC 1207-391M	390 $\pm$ 20%	1V/1K	0.700	0.88
TPRHC 1207-471M	470 $\pm$ 20%	1V/1K	0.980	0.79
TPRHC 1207-561M	560 $\pm$ 20%	1V/1K	1.070	0.73
TPRHC 1207-681M	680 $\pm$ 20%	1V/1K	1.460	0.67
TPRHC 1207-821M	820 $\pm$ 20%	1V/1K	1.640	0.60
TPRHC 1207-102M	1000 $\pm$ 20%	1V/1K	1.820	0.55

CHTPR series

FEATURES

1. Low profile and shielded very effective in space-conscious applications.
2. Low resistance and high energy storage.
3. The products contain no lead and also support lead-free soldering.

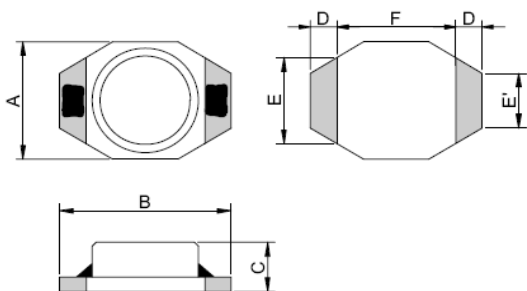


APPLICATIONS

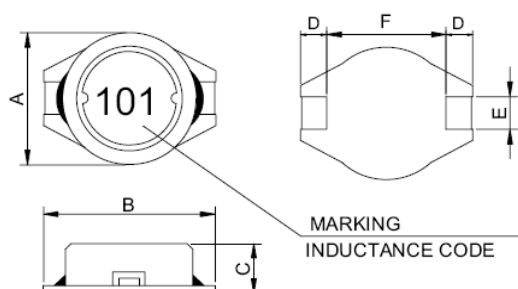
- Excellent for DC-DC Converter used in notebooks computers,
- PDA and mobile handphones.
- Step-up or step-down converters, flash memory.

DIMENSIONS

CHTPR 1608



CHTPR 2012, CHTPR 3308, CHTPR 3316 & CHTPR 5022



PARTNUMBER

CHTPR	5022	—	2R2	M	F	V
A	B		C	D	E	F

- A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance
 E: Lead Free Code
 F: ID Code

Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
1608	4.45 max.	6.60 max.	2.92 max.	1.02 ± 0.2	1.27 ± 0.2	4.32 ± 0.3
2012	8.00 ± 0.2	10.50 ± 0.2	5.00 ± 0.3	2.10 ± 0.2	2.00 ± 0.2	6.00 ± 0.3
3308	10.0 ± 0.2	12.7 ± 0.2	3.00 ± 0.3	2.40 ± 0.2	2.20 ± 0.2	7.60 ± 0.3
3316	10.0 ± 0.2	12.70 ± 0.2	5.00 ± 0.3	2.40 ± 0.2	2.20 ± 0.2	7.60 ± 0.3
5022	15.0 ± 0.3	18.40 ± 0.3	7.00 ± 0.5	2.40 ± 0.2	2.20 ± 0.2	13.30 ± 0.3



Power Inductor

SMD /Shielded Type



CHTPR1608

BW Part Number	Inductance (μH)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I rms (A)	I sat (A)
CHTPR 1608-1R0M	1.0± 20%	0.1V/100K	250	0.040	3.0	
CHTPR 1608-1R5M	1.5± 20%	0.1V/100K	125	0.045	2.3	
CHTPR 1608-2R2M	2.2± 20%	0.1V/100K	120	0.050	1.8	
CHTPR 1608-3R3M	3.3± 20%	0.1V/100K	120	0.055	1.6	
CHTPR 1608-4R7M	4.7± 20%	0.1V/100K	105	0.060	1.4	
CHTPR 1608-6R8M	6.8± 20%	0.1V/100K	50	0.065	1.2	
CHTPR 1608-100M	10 ± 20%	0.1V/100K	38	0.075	1.0	
CHTPR 1608-150M	15 ± 20%	0.1V/100K	33	0.090	0.80	
CHTPR 1608-220M	22 ± 20%	0.1V/100K	25	0.110	0.70	
CHTPR 1608-330M	33 ± 20%	0.1V/100K	20	0.190	0.60	
CHTPR 1608-470M	47 ± 20%	0.1V/100K	20	0.230	0.50	
CHTPR 1608-680M	68 ± 20%	0.1V/100K	15	0.290	0.40	
CHTPR 1608-101M	100± 20%	0.1V/100K	10	0.480	0.30	
CHTPR 1608-151M	150± 20%	0.1V/100K	9	0.590	0.26	
CHTPR 1608-221M	220± 20%	0.1V/100K	6	0.770	0.22	
CHTPR 1608-331M	330± 20%	0.1V/100K	5	1.400	0.20	
CHTPR 1608-471M	470± 20%	0.1V/100K	4	1.800	0.19	
CHTPR 1608-681M	680± 20%	0.1V/100K	3	2.200	0.16	
CHTPR 1608-102M	1000 ± 20%	0.1V/100K	2	3.400	0.15	
CHTPR 1608-152M	1500 ± 20%	0.1V/100K	2	4.200	0.12	
CHTPR 1608-222M	2200 ± 20%	0.1V/100K	2	8.500	0.10	
CHTPR 1608-332M	3300 ± 20%	0.1V/100K	1	11.00	0.08	
CHTPR 1608-472M	4700 ± 20%	0.1V/100K	1	13.90	0.06	
CHTPR 1608-682M	6800 ± 20%	0.1V/100K	1	25.00	0.04	
CHTPR 1608-103M	10000 ± 20%	0.1V/100K	0.8	32.80	0.02	

CHTPR2012

BW Part Number	Inductance (μH)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I rms (A)	I sat (A)
CHTPR 2012-2R2M	2.2± 20%	0.1V/100K	75.0	0.040	2.50	6.00
CHTPR 2012-3R9M	3.9± 20%	0.1V/100K	50.0	0.055	2.10	4.50
CHTPR 2012-5R6M	5.6± 20%	0.1V/100K	40.0	0.065	1.95	4.00
CHTPR 2012-8R2M	8.2± 20%	0.1V/100K	32.0	0.080	1.75	3.00
CHTPR 2012-100M	10 ± 20%	0.1V/100K	28.0	0.100	1.50	2.50
CHTPR 2012-120M	12 ± 20%	0.1V/100K	24.0	0.120	1.40	2.00
CHTPR 2012-150M	15 ± 20%	0.1V/100K	22.0	0.140	1.30	1.80
CHTPR 2012-180L	18 ± 15%	0.1V/100K	19.0	0.160	1.20	1.60
CHTPR 2012-220L	22 ± 15%	0.1V/100K	17.0	0.180	1.10	1.50
CHTPR 2012-270L	27 ± 15%	0.1V/100K	15.5	0.200	1.00	1.40
CHTPR 2012-330L	33 ± 15%	0.1V/100K	13.5	0.240	0.92	1.30
CHTPR 2012-390L	39 ± 15%	0.1V/100K	12.0	0.260	0.84	1.00
CHTPR 2012-470L	47 ± 15%	0.1V/100K	10.5	0.280	0.75	0.90
CHTPR 2012-560K	56 ± 10%	0.1V/100K	9.50	0.380	0.68	0.80
CHTPR 2012-680K	68 ± 10%	0.1V/100K	9.0	0.440	0.60	0.70
CHTPR 2012-820K	82 ± 10%	0.1V/100K	8.5	0.550	0.54	0.60
CHTPR 2012-101K	100± 10%	0.1V/100K	7.5	0.600	0.50	0.50
CHTPR 2012-121K	120± 10%	0.1V/100K	7.0	0.750	0.45	0.45
CHTPR 2012-151K	150± 10%	0.1V/100K	6.5	0.900	0.40	0.40
CHTPR 2012-181K	180± 10%	0.1V/100K	4.8	1.050	0.35	0.37
CHTPR 2012-221K	220± 10%	0.1V/100K	4.5	1.180	0.30	0.35
CHTPR 2012-271K	270± 10%	0.1V/100K	4.2	1.400	0.27	0.32
CHTPR 2012-331K	330± 10%	0.1V/100K	3.8	1.800	0.24	0.30
CHTPR 2012-391K	390± 10%	0.1V/100K	3.6	2.100	0.22	0.28
CHTPR 2012-471K	470± 10%	0.1V/100K	3.5	2.250	0.20	0.26
CHTPR 2012-561K	560± 10%	0.1V/100K	3.0	3.000	0.18	0.25
CHTPR 2012-681K	680± 10%	0.1V/100K	2.8	3.400	0.17	0.23
CHTPR 2012-821K	820± 10%	0.1V/100K	2.5	4.000	0.16	0.22
CHTPR 2012-102K	1000 ± 10%	0.1V/100K	2.2	5.000	0.15	0.20

CHTPR3308

BW Part Number	Inductance (μH)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I _{rms} (A)	I _{sat} (A)
CHTPR 3308-2R2M	2.2± 20%	0.1V/100K	90.0	0.045	3.50	4.20
CHTPR 3308-3R0M	3.0± 20%	0.1V/100K	70.0	0.062	3.00	3.60
CHTPR 3308-3R9M	3.9± 20%	0.1V/100K	60.0	0.070	2.80	3.40
CHTPR 3308-4R7M	4.7± 20%	0.1V/100K	50.0	0.078	2.50	3.00
CHTPR 3308-6R8M	6.8± 20%	0.1V/100K	50.0	0.100	2.20	2.60
CHTPR 3308-100M	10 ± 20%	0.1V/100K	38.0	0.145	2.00	2.20
CHTPR 3308-120M	12 ± 20%	0.1V/100K	29.0	0.185	1.75	2.00
CHTPR 3308-150M	15 ± 20%	0.1V/100K	30.0	0.200	1.50	1.80
CHTPR 3308-180M	18 ± 20%	0.1V/100K	25.0	0.270	1.40	1.60
CHTPR 3308-220M	22 ± 20%	0.1V/100K	22.0	0.300	1.30	1.50
CHTPR 3308-270M	27 ± 20%	0.1V/100K	18.0	0.400	1.20	1.30
CHTPR 3308-330M	33 ± 20%	0.1V/100K	17.0	0.450	1.10	1.20
CHTPR 3308-390M	39 ± 20%	0.1V/100K	17.0	0.560	0.95	1.10
CHTPR 3308-470M	47 ± 20%	0.1V/100K	15.0	0.650	0.80	1.05
CHTPR 3308-560M	56 ± 20%	0.1V/100K	14.0	0.680	0.75	1.00
CHTPR 3308-680M	68 ± 20%	0.1V/100K	12.0	0.800	0.70	0.90
CHTPR 3308-820M	82 ± 20%	0.1V/100K	11.0	1.200	0.65	0.85
CHTPR 3308-101M	100± 20%	0.1V/100K	9.5	1.400	0.60	0.80
CHTPR 3308-121M	120± 20%	0.1V/100K	8.5	1.520	0.55	0.70
CHTPR 3308-151M	150± 20%	0.1V/100K	8.0	1.800	0.50	0.65
CHTPR 3308-181M	180± 20%	0.1V/100K	7.0	2.200	0.45	0.60
CHTPR 3308-221M	220± 20%	0.1V/100K	6.5	2.200	0.40	0.50
CHTPR 3308-271L	270± 15%	0.1V/100K	5.5	3.100	0.35	0.45
CHTPR 3308-331L	330± 15%	0.1V/100K	5.2	3.600	0.30	0.40
CHTPR 3308-391L	390± 15%	0.1V/100K	5.0	4.600	0.25	0.35
CHTPR 3308-471L	470± 15%	0.1V/100K	4.5	5.100	0.20	0.30

CHTPR3316

BW Part Number	Inductance (μH)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I _{rms} (A)	I _{sat} (A)
CHTPR 3316-1R0M	1.0± 20%	0.1V/100K	130.0	0.021	5.00	5.60
CHTPR 3316-1R5M	1.5± 20%	0.1V/100K	110.0	0.022	4.50	5.20
CHTPR 3316-2R2M	2.2± 20%	0.1V/100K	90.0	0.027	3.10	5.00
CHTPR 3316-3R0M	3.0± 20%	0.1V/100K	65.0	0.030	2.90	3.90
CHTPR 3316-4R7M	4.7± 20%	0.1V/100K	50.0	0.040	2.50	3.20
CHTPR 3316-6R8M	6.8± 20%	0.1V/100K	30.0	0.055	2.20	2.80
CHTPR 3316-100M	10 ± 20%	0.1V/100K	28.0	0.065	2.00	2.40
CHTPR 3316-120M	12 ± 20%	0.1V/100K	25.0	0.080	1.80	2.20
CHTPR 3316-150M	15 ± 20%	0.1V/100K	20.0	0.085	1.70	2.00
CHTPR 3316-180L	18 ± 15%	0.1V/100K	19.0	0.090	1.60	1.80
CHTPR 3316-220L	22 ± 15%	0.1V/100K	18.0	0.100	1.40	1.60
CHTPR 3316-270L	27 ± 15%	0.1V/100K	16.0	0.120	1.30	1.50
CHTPR 3316-330L	33 ± 15%	0.1V/100K	14.0	0.160	1.20	1.40
CHTPR 3316-390L	39 ± 15%	0.1V/100K	12.0	0.180	1.05	1.20
CHTPR 3316-470L	47 ± 15%	0.1V/100K	11.0	0.190	1.00	1.00
CHTPR 3316-560L	56 ± 15%	0.1V/100K	10.0	0.210	0.90	0.95
CHTPR 3316-680L	68 ± 15%	0.1V/100K	9.0	0.340	0.82	0.90
CHTPR 3316-820L	82 ± 15%	0.1V/100K	8.0	0.380	0.75	0.85
CHTPR 3316-101K	100± 10%	0.1V/100K	7.5	0.420	0.68	0.80
CHTPR 3316-121K	120± 10%	0.1V/100K	7.0	0.460	0.60	0.70
CHTPR 3316-151K	150± 10%	0.1V/100K	6.3	0.520	0.55	0.60
CHTPR 3316-181K	180± 10%	0.1V/100K	5.5	0.700	0.50	0.65
CHTPR 3316-221K	220± 10%	0.1V/100K	5.0	0.800	0.45	0.50
CHTPR 3316-271K	270± 10%	0.1V/100K	4.5	1.100	0.40	0.45
CHTPR 3316-331K	330± 10%	0.1V/100K	4.0	1.200	0.35	0.40
CHTPR 3316-391K	390± 10%	0.1V/100K	3.3	1.400	0.33	0.35



Power Inductor

SMD /Shielded Type



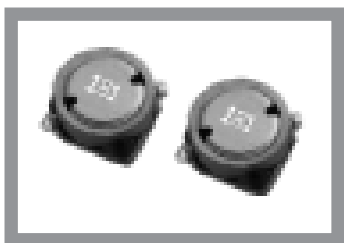
CHTPR5022

BW Part Number	Inductance (μH)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I rms (A)	I sat (A)
CHTPR 5022-100M	10 ± 20%	0.1V/100K	20.0	0.030	4.00	7.36
CHTPR 5022-150M	15 ± 20%	0.1V/100K	17.0	0.035	3.60	6.40
CHTPR 5022-220M	22 ± 20%	0.1V/100K	15.0	0.045	3.15	5.05
CHTPR 5022-330M	33 ± 20%	0.1V/100K	10.0	0.060	2.80	4.25
CHTPR 5022-470M	47 ± 20%	0.1V/100K	8.5	0.080	2.45	3.55
CHTPR 5022-680M	68 ± 20%	0.1V/100K	6.5	0.115	2.00	3.01
CHTPR 5022-101M	100± 20%	0.1V/100K	5.5	0.180	1.70	2.46
CHTPR 5022-151M	150± 20%	0.1V/100K	5.0	0.220	1.35	2.00
CHTPR 5022-221M	220± 20%	0.1V/100K	4.0	0.320	1.15	1.63
CHTPR 5022-331M	330± 20%	0.1V/100K	3.0	0.500	0.90	1.33
CHTPR 5022-471M	470± 20%	0.1V/100K	2.5	0.750	0.75	1.11
CHTPR 5022-681M	680± 20%	0.1V/100K	2.3	1.100	0.65	0.93
CHTPR 5022-102M	1000 ± 20%	0.1V/100K	1.9	1.500	0.55	0.78

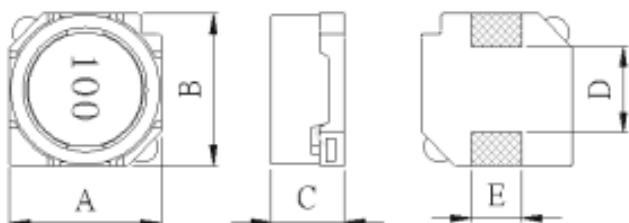
SCRB series

FEATURES

1. To be high saturation for surface mounting.
2. Surface mount inductor with high current rating.
3. Low resistance to keep power loss minimum.
4. Packed in embossed carrier tape and can be used by automatic mounting machine.



DIMENSIONS



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
6025	6.00±0.30	6.00±0.30	2.70 Max	4.00	2.00±0.20
6028	6.00±0.30	6.00±0.30	3.00 Max	4.00	2.00±0.20
6038	6.00±0.30	6.00±0.30	4.00 Max	4.00	2.00±0.20
6048	6.00±0.30	6.00±0.30	5.00 Max	4.00	2.00±0.20
7028	7.00±0.30	7.00±0.30	3.00 Max	4.90	2.00±0.20
7030	7.00±0.30	7.00±0.30	3.20 Max	4.90	2.00±0.20
7032	7.00±0.30	7.00±0.30	3.40 Max	4.90	2.00±0.20
7045	7.00±0.30	7.00±0.30	4.80 Max	4.90	2.00±0.20
1013	10.1±0.30	10.1±0.30	3.30 Max	6.00	3.00±0.20
1014	10.1±0.30	10.1±0.30	4.80 Max	6.00	3.00±0.20
1255	12.5±0.30	12.5±0.30	5.80 Max	8.60	3.00±0.20
1256	12.5±0.30	12.5±0.30	6.80 Max	8.60	3.00±0.20
1257	12.5±0.30	12.5±0.30	7.80 Max	8.60	3.00±0.20

APPLICATIONS

- Excellent for power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment.

PARTNUMBER

SCRB	6025	—	4R7	M	F	V
A	B	C	D	E	F	

- A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance M=±20%, Y=±30%
 E: Lead Free Code
 F: ID Code



Power Inductor

SMD /Shielded Type



SCRB6025

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Ratted Current (A)
SCRB6025-4R7M	4.70±20%	1V/1.0K	0.037	1.8
SCRB6025-6R8M	6.80±20%	1V/1.0K	0.053	1.50
SCRB6025-100M	10.0±20%	1V/1.0K	0.069	1.30
SCRB6025-150M	15.0±20%	1V/1.0K	0.102	1.10
SCRB6025-220M	22.0±20%	1V/1.0K	0.146	0.94
SCRB6025-330M	33.0±20%	1V/1.0K	0.216	0.79
SCRB6025-470M	47.0±20%	1V/1.0K	0.288	0.67
SCRB6025-680M	68.0±20%	1V/1.0K	0.444	0.54
SCRB6025-101M	100±20%	1V/1.0K	0.600	0.47

SCRB6028

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Ratted Current (A)
SCRB6028-4R7M	4.70±20%	1V/1.0K	0.034	2.50
SCRB6028-6R8M	6.80±20%	1V/1.0K	0.043	2.20
SCRB6028-100M	10.0±20%	1V/1.0K	0.064	1.80
SCRB6028-150M	15.0±20%	1V/1.0K	0.090	1.40
SCRB6028-220M	22.0±20%	1V/1.0K	0.125	1.30
SCRB6028-330M	33.0±20%	1V/1.0K	0.178	1.10
SCRB6028-470M	47.0±20%	1V/1.0K	0.252	0.92
SCRB6028-680M	68.0±20%	1V/1.0K	0.348	0.78
SCRB6028-101M	100±20%	1V/1.0K	0.516	0.64

SCRB6038

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Ratted Current (A)
SCRB6038-1R0M	1.0±20%	1V/100K	0.022	2.50
SCRB6038-1R5M	1.5±20%	1V/100K	0.025	2.20
SCRB6038-2R2M	2.2±20%	1V/100K	0.030	1.90
SCRB6038-3R3M	3.3±20%	1V/100K	0.035	1.70
SCRB6038-4R7M	4.7±20%	1V/100K	0.050	1.30
SCRB6038-6R8M	6.8±20%	1V/100K	0.055	1.10
SCRB6038-100M	10±20%	1V/100K	0.065	1.00
SCRB6038-120M	12±20%	1V/100K	0.090	0.90
SCRB6038-150M	15±20%	1V/100K	0.10	0.80
SCRB6038-180M	18±20%	1V/100K	0.11	0.70
SCRB6038-220M	22±20%	1V/100K	0.15	0.65
SCRB6038-270M	27±20%	1V/100K	0.17	0.60
SCRB6038-330M	33±20%	1V/100K	0.22	0.55
SCRB6038-390M	39±20%	1V/100K	0.24	0.50
SCRB6038-470M	47±20%	1V/100K	0.30	0.47
SCRB6038-560M	56±20%	1V/100K	0.34	0.42
SCRB6038-680M	68±20%	1V/100K	0.39	0.40
SCRB6038-820M	82±20%	1V/100K	0.50	0.35
SCRB6038-101M	100±20%	1V/100K	0.57	0.32
SCRB6038-121M	120±20%	1V/100K	0.63	0.30
SCRB6038-151M	150±20%	1V/100K	0.90	0.27
SCRB6038-181M	180±20%	1V/100K	0.99	0.25
SCRB6038-221M	220±20%	1V/100K	1.15	0.22
SCRB6038-271M	270±20%	1V/100K	1.55	0.20
SCRB6038-331M	330±20%	1V/100K	1.76	0.18
SCRB6038-391M	390±20%	1V/100K	2.60	0.17
SCRB6038-471M	470±20%	1V/100K	3.00	0.16
SCRB6038-561M	560±20%	1V/100K	3.30	0.15
SCRB6038-681M	680±20%	1V/100K	3.70	0.13
SCRB6038-821M	820±20%	1V/100K	4.90	0.12
SCRB6038-102M	1000±20%	1V/100K	5.70	0.11

SCRB6048

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB6048-1R0M	1.0±20%	1V/100K	0.023	2.70
SCRB6048-1R5M	1.5±20%	1V/100K	0.026	2.30
SCRB6048-2R2M	2.2±20%	1V/100K	0.028	1.90
SCRB6048-3R3M	3.3±20%	1V/100K	0.035	1.80
SCRB6048-4R7M	4.7±20%	1V/100K	0.040	1.40
SCRB6048-6R8M	6.8±20%	1V/100K	0.045	1.20
SCRB6048-100M	10±20%	1V/100K	0.060	1.00
SCRB6048-150M	15±20%	1V/100K	0.070	0.80
SCRB6048-220M	22±20%	1V/100K	0.110	0.65
SCRB6048-330M	33±20%	1V/100K	0.165	0.55
SCRB6048-470M	47±20%	1V/100K	1.200	0.45
SCRB6048-680M	68±20%	1V/100K	0.285	0.37
SCRB6048-101M	100±20%	1V/100K	0.42	0.30
SCRB6048-151M	150±20%	1V/100K	0.63	0.25
SCRB6048-181M	180±20%	1V/100K	0.72	0.22
SCRB6048-221M	220±20%	1V/100K	0.82	0.20
SCRB6048-271M	270±20%	1V/100K	1.10	0.18
SCRB6048-331M	330±20%	1V/100K	1.20	0.17
SCRB6048-391M	390±20%	1V/100K	1.70	0.16
SCRB6048-471M	470±20%	1V/100K	1.90	0.14
SCRB6048-561M	560±20%	1V/100K	2.15	0.13
SCRB6048-681M	680±20%	1V/100K	3.30	0.12
SCRB6048-821M	820±20%	1V/100K	3.65	0.11
SCRB6048-102M	1000±20%	1V/100K	4.15	0.10

SCRB7028

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB7028-3R3M	3.30±20%	1V/1.0K	0.037	1.60
SCRB7028-4R7M	4.70±20%	1V/1.0K	0.045	1.50
SCRB7028-6R8M	6.80±20%	1V/1.0K	0.059	1.30
SCRB7028-100M	10.0±20%	1V/1.0K	0.083	1.10
SCRB7028-150M	15.0±20%	1V/1.0K	0.130	0.88
SCRB7028-220M	22.0±20%	1V/1.0K	0.180	0.75
SCRB7028-330M	33.0±20%	1V/1.0K	0.240	0.65
SCRB7028-470M	47.0±20%	1V/1.0K	0.340	0.54

SCRB7030

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB7030-3R3M	3.30±20%	1V/1.0K	0.023	1.8
SCRB7030-4R7M	4.70±20%	1V/1.0K	0.036	1.60
SCRB7030-6R8M	6.80±20%	1V/1.0K	0.041	1.50
SCRB7030-100M	10.0±20%	1V/1.0K	0.053	1.30
SCRB7030-150M	15.0±20%	1V/1.0K	0.084	1.00
SCRB7030-220M	22.0±20%	1V/1.0K	0.110	0.86
SCRB7030-330M	33.0±20%	1V/1.0K	0.160	0.65
SCRB7030-470M	47.0±20%	1V/1.0K	0.240	0.57
SCRB7030-680M	68.0±20%	1V/1.0K	0.310	0.49
SCRB7030-101M	100±20%	1V/1.0K	0.450	0.35



Power Inductor

SMD /Shielded Type



SCRB7032

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB7032-3R3M	3.30±20%	1V/1.0K	0.023	1.90
SCRB7032-4R7M	4.70±20%	1V/1.0K	0.036	1.70
SCRB7032-6R8M	6.80±20%	1V/1.0K	0.041	1.60
SCRB7032-100M	10.0±20%	1V/1.0K	0.053	1.40
SCRB7032-150M	15.0±20%	1V/1.0K	0.075	1.10
SCRB7032-220M	22.0±20%	1V/1.0K	0.11	0.96
SCRB7032-330M	33.0±20%	1V/1.0K	0.16	0.75
SCRB7032-470M	47.0±20%	1V/1.0K	0.24	0.67
SCRB7032-680M	68.0±20%	1V/1.0K	0.31	0.59
SCRB7032-101M	100±20%	1V/1.0K	0.45	0.45
SCRB7032-151M	150±20%	1V/1.0K	0.65	0.37
SCRB7032-221M	220±20%	1V/1.0K	1.05	0.29
SCRB7032-331M	330±20%	1V/1.0K	1.67	0.22
SCRB7032-471M	470±20%	1V/1.0K	2.05	0.20
SCRB7032-681M	680±20%	1V/1.0K	3.15	0.16
SCRB7032-102M	1000±20%	1V/1.0K	4.78	0.13

SCRB7045

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB7045-3R3M	3.30±20%	1V/1.0K	0.020	2.30
SCRB7045-4R7M	4.70±20%	1V/1.0K	0.030	2.10
SCRB7045-6R8M	6.80±20%	1V/1.0K	0.039	1.74
SCRB7045-100M	10.0±20%	1V/1.0K	0.036	1.78
SCRB7045-150M	15.0±20%	1V/1.0K	0.052	1.53
SCRB7045-220M	22.0±20%	1V/1.0K	0.061	1.34
SCRB7045-345M	33.0±20%	1V/1.0K	0.096	1.09
SCRB7045-470M	47.0±20%	1V/1.0K	0.125	0.92
SCRB7045-680M	68.0±20%	1V/1.0K	0.175	0.77
SCRB7045-101M	100±20%	1V/1.0K	0.250	0.65
SCRB7045-151M	150±20%	1V/1.0K	0.340	0.55
SCRB7045-221M	220±20%	1V/1.0K	0.520	0.45
SCRB7045-331M	330±20%	1V/1.0K	0.740	0.37
SCRB7045-471M	470±20%	1V/1.0K	1.050	0.31
SCRB7045-681M	680±20%	1V/1.0K	1.480	0.27
SCRB7045-102M	1000±20%	1V/1.0K	2.280	0.25

SCRB1013

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB1013-1R5M	1.5±20%	1V/100K	0.022	4.00
SCRB1013-2R2M	2.2±20%	1V/100K	0.025	3.50
SCRB1013-3R3M	3.3±20%	1V/100K	0.040	3.00
SCRB1013-4R7M	4.7±20%	1V/100K	0.045	2.50
SCRB1013-6R8M	6.8±20%	1V/100K	0.060	2.20
SCRB1013-100M	10±20%	1V/100K	0.070	2.00
SCRB1013-120M	12±20%	1V/100K	0.095	1.90
SCRB1013-150M	15±20%	1V/100K	0.12	1.70
SCRB1013-180M	18±20%	1V/100K	0.13	1.55
SCRB1013-220M	22±20%	1V/100K	0.18	1.45
SCRB1013-270M	27±20%	1V/100K	0.20	1.30
SCRB1013-330M	33±20%	1V/100K	0.21	1.10
SCRB1013-390M	39±20%	1V/100K	0.27	1.00
SCRB1013-470M	47±20%	1V/100K	0.30	0.85
SCRB1013-560M	56±20%	1V/100K	0.40	0.80
SCRB1013-680M	68±20%	1V/100K	0.44	0.75
SCRB1013-820M	82±20%	1V/100K	0.49	0.65
SCRB1013-101M	100±20%	1V/100K	0.67	0.60
SCRB1013-121M	120±20%	1V/100K	0.74	0.55
SCRB1013-151M	150±20%	1V/100K	0.79	0.50
SCRB1013-181M	180±20%	1V/100K	1.20	0.45
SCRB1013-221M	220±20%	1V/100K	1.35	0.40
SCRB1013-271M	270±20%	1V/100K	1.80	0.38
SCRB1013-331M	330±20%	1V/100K	2.00	0.32
SCRB1013-391M	390±20%	1V/100K	2.10	0.30
SCRB1013-471M	470±20%	1V/100K	3.50	0.28

SCRB1013

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB1013-561M	560±20%	1V/100K	3.90	0.25
SCRB1013-681M	680±20%	1V/100K	4.10	0.22
SCRB1013-821M	820±20%	1V/100K	4.55	0.20
SCRB1013-102M	1000±20%	1V/100K	5.10	0.18

SCRB1014

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB1014-100M	10.0±20%	1V/1.0K	0.036	2.50
SCRB1014-150M	15.0±20%	1V/1.0K	0.047	2.20
SCRB1014-220M	22.0±20%	1V/1.0K	0.059	1.90
SCRB1014-330M	33.0±20%	1V/1.0K	0.082	1.70
SCRB1014-470M	47.0±20%	1V/1.0K	0.10	1.50
SCRB1014-680M	68.0±20%	1V/1.0K	0.14	1.30
SCRB1014-101M	100±20%	1V/1.0K	0.20	1.10
SCRB1014-151M	150±20%	1V/1.0K	0.35	0.81
SCRB1014-221M	220±20%	1V/1.0K	0.47	0.70
SCRB1014-331M	330±20%	1V/1.0K	0.68	0.58
SCRB1014-471M	470±20%	1V/1.0K	1.03	0.47
SCRB1014-681M	680±20%	1V/1.0K	1.60	0.38
SCRB1014-102M	1000±20%	1V/1.0K	2.80	0.29
SCRB1014-152M	1500±20%	1V/1.0K	3.40	0.26

SCRB1255

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB1255-6R0M	6.0±20%	1V/1.0K	16.4	4.90
SCRB1255-100M	10±20%	1V/1.0K	21.5	4.30
SCRB1255-150M	15±20%	1V/1.0K	25.9	3.90
SCRB1255-220M	22±20%	1V/1.0K	33.8	3.40
SCRB1255-330M	33±20%	1V/1.0K	41.5	3.10
SCRB1255-470M	47±20%	1V/1.0K	61.8	2.50
SCRB1255-680M	68±20%	1V/1.0K	83.2	2.20
SCRB1255-101M	100±20%	1V/1.0K	117.2	1.80

SCRB1256

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (mΩ) Max	Rated Current (A)
SCRB1256-2R0M	2.0±20%	1V/1.0K	11.7	6.2
SCRB1256-4R2M	4.2±20%	1V/1.0K	15	5.5
SCRB1256-7R0M	7.0±20%	1V/1.0K	17.7	5.0
SCRB1256-100M	10±20%	1V/1.0K	20.2	4.8
SCRB1256-150M	15±20%	1V/1.0K	23.7	4.4
SCRB1256-220M	22±20%	1V/1.0K	31.6	3.8
SCRB1256-330M	33±20%	1V/1.0K	40.6	3.4
SCRB1256-470M	47±20%	1V/1.0K	57.8	2.8
SCRB1256-680M	68±20%	1V/1.0K	78.7	2.4
SCRB1256-101M	100±20%	1V/1.0K	123	1.9
SCRB1256-151M	150±20%	1V/1.0K	273	1.2

SCRB1257

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (mΩ) Max	Rated Current (A)
SCRB1257-1R2M	1.2±20%	1V/1.0K	6.9	8.2
SCRB1257-2R7M	2.7±20%	1V/1.0K	9.4	7.0
SCRB1257-3R9M	3.9±20%	1V/1.0K	10.4	6.7
SCRB1257-5R6M	5.6±20%	1V/1.0K	11.6	6.3
SCRB1257-6R8M	6.8±20%	1V/1.0K	13.1	5.9
SCRB1257-100M	10±20%	1V/1.0K	15.6	5.4
SCRB1257-150M	15±20%	1V/1.0K	18.4	5.0
SCRB1257-220M	22±20%	1V/1.0K	26.3	4.0
SCRB1257-330M	33±20%	1V/1.0K	39.5	3.4
SCRB1257-470M	47±20%	1V/1.0K	52.8	3.0
SCRB1257-680M	68±20%	1V/1.0K	77.8	2.4
SCRB1257-101M	100±20%	1V/1.0K	125	1.9
SCRB1257-151M	150±20%	1V/1.0K	175	1.6
SCRB1257-221M	220±20%	1V/1.0K	258	1.3

Power Inductor

SMD / Unshielded Type



TP series

FEATURES

1. Surface mount inductor with high current rating.
2. Low resistance to keep power loss minimum.
3. The products contain no lead and also support lead-free soldering.



APPLICATIONS

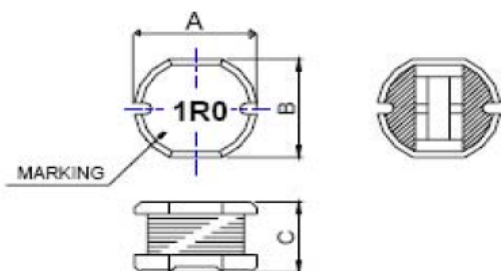
- Excellent for power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment.

PARTNUMBER

TP	0705	—	220	M	F	V
A	B	C	D	E	F	

A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance K=±10%, M=±20%
 E: Lead Free Code
 F: ID Code

DIMENSIONS



Size	A(mm)	B(mm)	C(mm)
0302	3.5±0.3	3±0.3	2.1±0.3
0403	4.05±0.3	4±0.3	3.2±0.3
0502	5.8±0.3	5.2±0.3	2±0.3
0504	5.8±0.3	5.2±0.3	4.5±0.3
0703	7.8±0.3	7±0.3	3.5±0.3
0705	7.8±0.3	7±0.3	5±0.3
1004	10±0.3	9±0.3	4±0.3
1005	10±0.3	9±0.3	5.4±0.3

TP 0302

BW Part Number	Inductance (μ H) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TP0302-1R0M	1.0 $\pm$ 20%	1V/7.96M	0.04	1.50
TP0302-1R4M	1.4 $\pm$ 20%	1V/7.96M	0.05	1.50
TP0302-1R8M	1.8 $\pm$ 20%	1V/7.96M	0.06	0.80
TP0302-2R2M	2.2 $\pm$ 20%	1V/7.96M	0.08	0.75
TP0302-2R7M	2.7 $\pm$ 20%	1V/7.96M	0.10	0.75
TP0302-3R3M	3.3 $\pm$ 20%	1V/7.96M	0.15	0.60
TP0302-3R9M	3.9 $\pm$ 20%	1V/7.96M	0.20	0.50
TP0302-4R7M	4.7 $\pm$ 20%	1V/7.96M	0.20	0.50
TP0302-5R6M	5.6 $\pm$ 20%	1V/7.96M	0.23	0.45
TP0302-6R8M	6.8 $\pm$ 20%	1V/7.96M	0.25	0.40
TP0302-8R2M	8.2 $\pm$ 20%	1V/7.96M	0.30	0.40
TP0302-100M	10 $\pm$ 20%	1V/2.52M	0.35	0.35
TP0302-120M	12 $\pm$ 20%	1V/2.52M	0.40	0.35
TP0302-150M	15 $\pm$ 20%	1V/2.52M	0.50	0.30
TP0302-180M	18 $\pm$ 20%	1V/2.52M	0.55	0.30
TP0302-220M	22 $\pm$ 20%	1V/2.52M	0.60	0.30
TP0302-270M	27 $\pm$ 20%	1V/2.52M	0.70	0.30
TP0302-330M	33 $\pm$ 20%	1V/2.52M	1.00	0.25
TP0302-390M	39 $\pm$ 20%	1V/2.52M	1.20	0.25
TP0302-470M	47 $\pm$ 20%	1V/2.52M	1.50	0.20
TP0302-560M	56 $\pm$ 20%	1V/2.52M	1.80	0.20
TP0302-680M	68 $\pm$ 20%	1V/2.52M	2.00	0.18
TP0302-820M	82 $\pm$ 20%	1V/2.52M	2.50	0.16
TP0302-101M	100 $\pm$ 20%	1V/1K	3.00	0.15
TP0302-121M	120 $\pm$ 20%	1V/1K	3.50	0.14
TP0302-151M	150 $\pm$ 20%	1V/1K	4.00	0.13
TP0302-181M	180 $\pm$ 20%	1V/1K	5.00	0.12
TP0302-221M	220 $\pm$ 20%	1V/1K	5.50	0.10
TP0302-271M	270 $\pm$ 20%	1V/1K	6.00	0.10
TP0302-331M	330 $\pm$ 20%	1V/1K	7.00	0.10
TP0302-391M	390 $\pm$ 20%	1V/1K	8.00	0.10
TP0302-471M	470 $\pm$ 20%	1V/1K	12.00	0.09

TP 0403

BW Part Number	Inductance (μ H) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TP0403-1R0M	1.0 $\pm$ 20%	1V/7.96M	0.03	4.0
TP0403-1R4M	1.4 $\pm$ 20%	1V/7.96M	0.04	3.5
TP0403-1R8M	1.8 $\pm$ 20%	1V/7.96M	0.05	3.0
TP0403-2R2M	2.2 $\pm$ 20%	1V/7.96M	0.06	2.6
TP0403-2R7M	2.7 $\pm$ 20%	1V/7.96M	0.06	2.2
TP0403-3R3M	3.3 $\pm$ 20%	1V/7.96M	0.07	2.0
TP0403-3R9M	3.9 $\pm$ 20%	1V/7.96M	0.07	2.0
TP0403-4R7M	4.7 $\pm$ 20%	1V/7.96M	0.08	1.9
TP0403-5R6M	5.6 $\pm$ 20%	1V/7.96M	0.12	1.8
TP0403-6R8M	6.8 $\pm$ 20%	1V/7.96M	0.14	1.6
TP0403-8R2M	8.2 $\pm$ 20%	1V/7.96M	0.15	1.4
TP0403-100M	10 $\pm$ 20%	1V/2.52M	0.19	1.1
TP0403-120M	12 $\pm$ 20%	1V/2.52M	0.21	1.1
TP0403-150M	15 $\pm$ 20%	1V/2.52M	0.25	1.0
TP0403-180M	18 $\pm$ 20%	1V/2.52M	0.3	1.0
TP0403-220M,	22 $\pm$ 20%	1V/2.52M	0.35	0.8
TP0403-270M	27 $\pm$ 20%	1V/2.52M	0.45	0.75
TP0403-330M	33 $\pm$ 20%	1V/2.52M	0.6	0.70
TP0403-390M	39 $\pm$ 20%	1V/2.52M	0.7	0.65
TP0403-470M	47 $\pm$ 20%	1V/2.52M	0.8	0.60
TP0403-560M	56 $\pm$ 20%	1V/2.52M	0.85	0.55
TP0403-680M	68 $\pm$ 20%	1V/2.52M	1	0.50
TP0403-820M	82 $\pm$ 20%	1V/2.52M	1.1	0.46
TP0403-101M	100 $\pm$ 20%	1V/1K	1.2	0.22
TP0403-121M	120 $\pm$ 20%	1V/1K	1.6	0.2



Power Inductor

SMD /Unshielded Type



TP 0403

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Ratted Current (A)
TP0403-151M	150±20%	1V/1K	2	0.20
TP0403-181M	180±20%	1V/1K	3	0.20
TP0403-221M	220±20%	1V/1K	3	0.20
TP0403-271M	270±20%	1V/1K	4	0.16
TP0403-331M	330±20%	1V/1K	4	0.14
TP0403-391M	390±20%	1V/1K	5	0.12
TP0403-471M	470±20%	1V/1K	6	0.12
TP0403-561M	560±20%	1V/1K	7	0.10

TP 0502

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Ratted Current (A)
TP0502-1R0M	1.0±20%	1V/7.96M	0.03	1.50
TP0502-1R4M	1.4±20%	1V/7.96M	0.04	1.50
TP0502-1R8M	1.8±20%	1V/7.96M	0.05	1.50
TP0502-2R2M	2.2±20%	1V/7.96M	0.06	1.50
TP0502-2R7M	2.7±20%	1V/7.96M	0.07	1.50
TP0502-3R3M	3.3±20%	1V/7.96M	0.08	1.50
TP0502-3R9M	3.9±20%	1V/7.96M	0.09	1.00
TP0502-4R7M	4.7±20%	1V/7.96M	0.10	1.00
TP0502-5R6M	5.6±20%	1V/7.96M	0.11	1.00
TP0502-6R8M	6.8±20%	1V/7.96M	0.14	0.70
TP0502-8R2M	8.2±20%	1V/7.96M	0.15	0.65
TP0502-100M	10±20%	1V/2.52M	0.3	0.60
TP0502-120M	12±20%	1V/2.52M	0.35	0.60
TP0502-150M	15±20%	1V/2.52M	0.40	0.55
TP0502-180M	18±20%	1V/2.52M	0.45	0.50
TP0502-220M	22±20%	1V/2.52M	0.5	0.5
TP0502-270M	27±20%	1V/2.52M	0.55	0.45
TP0502-330M	33±20%	1V/2.52M	0.6	0.40
TP0502-390M	39±20%	1V/2.52M	0.7	0.35
TP0502-470M	47±20%	1V/2.52M	0.8	0.30
TP0502-560M	56±20%	1V/2.52M	0.9	0.25
TP0502-680M	68±20%	1V/2.52M	1.2	0.25
TP0502-820M	82±20%	1V/2.52M	1.5	0.22
TP0502-101M	100±20%	1V/2.52M	2.0	0.21
TP0502-121M	120±20%	1V/2.52M	3	0.2
TP0502-151M	150±20%	1V/2.52M	4	0.18
TP0502-181M	180±20%	1V/2.52M	4	0.15
TP0502-221M	220±20%	1V/2.52M	4.5	0.15
TP0502-271M	270±20%	1V/2.52M	5	0.15
TP0502-331M	330±20%	1V/2.52M	6	0.14
TP0502-391M	390±20%	1V/2.52M	6.5	0.14
TP0502-471M	470±20%	1V/2.52M	7	0.12
TP0502-561M	560±20%	1V/2.52M	8	0.12

TP 0504

BW Part Number	Inductance (μ H) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TP0504-1R0M	1.0 $\pm$ 20%	1V/7.96M	0.018	3.50
TP0504-1R4M	1.4 $\pm$ 20%	1V/7.96M	0.02	3.50
TP0504-1R8M	1.8 $\pm$ 20%	1V/7.96M	0.025	3.00
TP0504-2R2M	2.2 $\pm$ 20%	1V/7.96M	0.03	2.80
TP0504-2R7M	2.7 $\pm$ 20%	1V/7.96M	0.035	2.60
TP0504-3R3M	3.3 $\pm$ 20%	1V/7.96M	0.04	2.50
TP0504-3R9M	3.9 $\pm$ 20%	1V/7.96M	0.05	2.30
TP0504-4R7M	4.7 $\pm$ 20%	1V/7.96M	0.06	2.60
TP0504-5R6M	5.6 $\pm$ 20%	1V/7.96M	0.07	2.40
TP0504-6R8M	6.8 $\pm$ 20%	1V/7.96M	0.08	2.20
TP0504-8R2M	8.2 $\pm$ 20%	1V/7.96M	0.08	2.00
TP0504-100M	10 $\pm$ 20%	1V/2.52M	0.09	1.80
TP0504-120M	12 $\pm$ 20%	1V/2.52M	0.1	1.60
TP0504-150M	15 $\pm$ 20%	1V/2.52M	0.12	1.50
TP0504-180M	18 $\pm$ 20%	1V/2.52M	0.15	1.40
TP0504-220M	22 $\pm$ 20%	1V/2.52M	0.18	1.3
TP0504-270M	27 $\pm$ 20%	1V/2.52M	0.22	1.20
TP0504-330M	33 $\pm$ 20%	1V/2.52M	0.26	1.00
TP0504-390M	39 $\pm$ 20%	1V/2.52M	0.30	0.90
TP0504-470M	47 $\pm$ 20%	1V/2.52M	0.35	0.85
TP0504-560M	56 $\pm$ 20%	1V/2.52M	0.40	0.80
TP0504-680M	68 $\pm$ 20%	1V/2.52M	0.45	0.70
TP0504-820M	82 $\pm$ 20%	1V/2.52M	0.50	0.70
TP0504-101M	100 $\pm$ 20%	1V/2.52M	0.70	0.60
TP0504-121M	120 $\pm$ 20%	1V/2.52M	0.75	0.6
TP0504-151M	150 $\pm$ 20%	1V/2.52M	0.90	0.55
TP0504-181M	180 $\pm$ 20%	1V/2.52M	1.1	0.50
TP0504-221M	220 $\pm$ 20%	1V/2.52M	1.2	0.40
TP0504-271M	270 $\pm$ 20%	1V/2.52M	1.5	0.25
TP0504-331M	330 $\pm$ 20%	1V/2.52M	3	0.22
TP0504-391M	390 $\pm$ 20%	1V/2.52M	3.5	0.20
TP0504-471M	470 $\pm$ 20%	1V/2.52M	4	0.19
TP0504-561M	560 $\pm$ 20%	1V/2.52M	4	0.18
TP0504-681M	680 $\pm$ 20%	1V/2.52M	4.5	0.15

TP 0703

BW Part Number	Inductance (μ H) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TP0703-100M	10 $\pm$ 20%	1V/2.52M	0.080	1.44
TP0703-120M	12 $\pm$ 20%	1V/2.52M	0.090	1.39
TP0703-150M	15 $\pm$ 20%	1V/2.52M	0.104	1.24
TP0703-180M	18 $\pm$ 20%	1V/2.52M	0.111	1.12
TP0703-220M	22 $\pm$ 20%	1V/2.52M	0.129	1.07
TP0703-270M	27 $\pm$ 20%	1V/2.52M	0.153	0.97
TP0703-330M	33 $\pm$ 20%	1V/2.52M	0.170	0.85
TP0703-390M	39 $\pm$ 20%	1V/2.52M	0.217	0.74
TP0703-470M	47 $\pm$ 20%	1V/2.52M	0.252	0.68
TP0703-560K	56 $\pm$ 10%	1V/7.96M	0.282	0.64
TP0703-680K	68 $\pm$ 10%	1V/7.96M	0.332	0.59
TP0703-820K	82 $\pm$ 10%	1V/2.52M	0.406	0.54
TP0703-101K	100 $\pm$ 10%	1V/1K	0.481	0.51
TP0703-121K	120 $\pm$ 10%	1V/1K	0.536	0.49
TP0703-151K	150 $\pm$ 10%	1V/1K	0.755	0.40
TP0703-181K	180 $\pm$ 10%	1V/1K	1.022	0.36
TP0703-221K	220 $\pm$ 10%	1V/1K	1.200	0.31
TP0703-271K	270 $\pm$ 10%	1V/1K	1.306	0.29
TP0703-331K	330 $\pm$ 10%	1V/1K	1.495	0.28



Power Inductor

SMD /Unshielded Type



TP 0705

BW Part Number	Inductance (μ H) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TP0705-100M	10 $\pm$ 20%	1V/2.52M	0.07	2.30
TP0705-120M	12 $\pm$ 20%	1V/2.52M	0.08	2.00
TP0705-150M	15 $\pm$ 20%	1V/2.52M	0.09	1.80
TP0705-180M	18 $\pm$ 20%	1V/2.52M	0.10	1.60
TP0705-220M	22 $\pm$ 20%	1V/2.52M	0.11	1.50
TP0705-270M	27 $\pm$ 20%	1V/2.52M	0.12	1.30
TP0705-330M	33 $\pm$ 20%	1V/2.52M	0.13	1.20
TP0705-390M	39 $\pm$ 20%	1V/2.52M	0.16	1.10
TP0705-470K	47 $\pm$ 10%	1V/2.52M	0.18	1.10
TP0705-560K	56 $\pm$ 10%	1V/2.52M	0.24	0.94
TP0705-680K	68 $\pm$ 10%	1V/2.52M	0.28	0.85
TP0705-820K	82 $\pm$ 10%	1V/2.52M	0.37	0.78
TP0705-101K	100 $\pm$ 10%	1V/1K	0.43	0.72
TP0705-121K	120 $\pm$ 10%	1V/1K	0.47	0.66
TP0705-151K	150 $\pm$ 10%	1V/1K	0.64	0.58
TP0705-181K	180 $\pm$ 10%	1V/1K	0.71	0.51
TP0705-221K	220 $\pm$ 10%	1V/1K	0.96	0.49
TP0705-271K	270 $\pm$ 10%	1V/1K	1.11	0.42
TP0705-331K	330 $\pm$ 10%	1V/1K	1.26	0.40
TP0705-391K	390 $\pm$ 10%	1V/1K	1.77	0.36
TP0705-471K	470 $\pm$ 10%	1V/1K	1.96	0.34

TP 1004

BW Part Number	Inductance (μ H) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TP1004-100M	10 $\pm$ 20%	1V/2.52M	0.053	2.38
TP1004-120M	12 $\pm$ 20%	1V/2.52M	0.061	2.13
TP1004-150M	15 $\pm$ 20%	1V/2.52M	0.070	1.87
TP1004-180M	18 $\pm$ 20%	1V/2.52M	0.081	1.73
TP1004-220M	22 $\pm$ 20%	1V/2.52M	0.088	1.60
TP1004-270M	27 $\pm$ 20%	1V/2.52M	0.100	1.44
TP1004-330M	33 $\pm$ 20%	1V/2.52M	0.120	1.26
TP1004-390M	39 $\pm$ 20%	1V/2.52M	0.151	1.20
TP1004-470M	47 $\pm$ 20%	1V/2.52M	0.170	1.10
TP1004-560K	56 $\pm$ 10%	1V/2.52M	0.199	1.01
TP1004-680K	68 $\pm$ 10%	1V/2.52M	0.223	0.91
TP1004-820K	82 $\pm$ 10%	1V/2.52M	0.252	0.85
TP1004-101K	100 $\pm$ 10%	1V/1K	0.344	0.74
TP1004-121K	120 $\pm$ 10%	1V/1K	0.396	0.69
TP1004-151K	150 $\pm$ 10%	1V/1K	0.544	0.61
TP1004-181K	180 $\pm$ 10%	1V/1K	0.621	0.56
TP1004-221K	220 $\pm$ 10%	1V/1K	0.721	0.53
TP1004-271K	270 $\pm$ 10%	1V/1K	0.949	0.45
TP1004-331K	330 $\pm$ 10%	1V/1K	1.100	0.42
TP1004-391K	390 $\pm$ 10%	1V/1K	1.245	0.38
TP1004-471K	470 $\pm$ 10%	1V/1K	1.526	0.35
TP1004-561K	560 $\pm$ 10%	1V/1K	1.904	0.32

TP 1005

BW Part Number	Inductance (μ H) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TP1005-100M	10 $\pm$ 20%	1V/2.52M	0.06	2.60
TP1005-120M	12 $\pm$ 20%	1V/2.52M	0.07	2.45
TP1005-150M	15 $\pm$ 20%	1V/2.52M	0.08	2.27
TP1005-180M	18 $\pm$ 20%	1V/2.52M	0.09	2.15
TP1005-220M	22 $\pm$ 20%	1V/2.52M	0.10	1.95
TP1005-270M	27 $\pm$ 20%	1V/2.52M	0.11	1.76
TP1005-330M	33 $\pm$ 20%	1V/2.52M	0.12	1.50
TP1005-390M	39 $\pm$ 20%	1V/2.52M	0.14	1.37
TP1005-470M	47 $\pm$ 20%	1V/2.52M	0.17	1.28
TP1005-560M	56 $\pm$ 10%	1V/2.52M	0.19	1.17
TP1005-680M	68 $\pm$ 10%	1V/2.52M	0.22	1.11
TP1005-820M	82 $\pm$ 10%	1V/2.52M	0.25	1.00
TP1005-101M	100 $\pm$ 10%	1V/1K	0.35	0.97
TP1005-121M	120 $\pm$ 10%	1V/1K	0.40	0.89
TP1005-151M	150 $\pm$ 10%	1V/1K	0.47	0.78
TP1005-181M	180 $\pm$ 10%	1V/1K	0.63	0.72
TP1005-221M	220 $\pm$ 10%	1V/1K	0.73	0.66
TP1005-271M	270 $\pm$ 10%	1V/1K	0.97	0.57
TP1005-331M	330 $\pm$ 10%	1V/1K	1.15	0.52
TP1005-391M	390 $\pm$ 10%	1V/1K	1.30	0.48
TP1005-471M	470 $\pm$ 10%	1V/1K	1.48	0.42
TP1005-561M	560 $\pm$ 10%	1V/1K	1.90	0.33
TP1005-681M	680 $\pm$ 10%	1V/1K	2.25	0.28
TP1005-821M	820 $\pm$ 10%	1V/1K	2.55	0.24



Power Inductor

SMD / Unshielded Type



CHTPW series

FEATURES

1. Low profile very effective in space-conscious applications.
2. Low resistance and high energy storage.
3. The products contain no lead and also support lead-free soldering.



APPLICATIONS

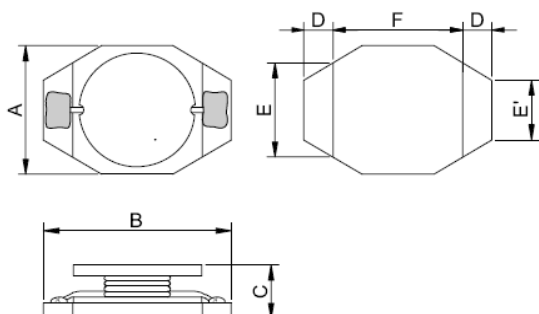
- Excellent for DC-DC Converter used in notebooks computers,
- PDA and mobile handphones.
- Step-up or step-down converters, flash memory.

PARTNUMBER

CHTPW	5022	—	2R2	M	F	V
A	B		C	D	E	F

A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance K=±10%, M=±20%
 E: Lead Free Code
 F: ID Code

DIMENSIONS



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
1608	4.45 max.	6.60 max.	2.92 max.	1.02 ± 0.2	1.27 ± 0.2	4.32 ± 0.3
2012	8.00 ± 0.2	10.50 ± 0.2	5.00 ± 0.3	2.10 ± 0.2	2.00 ± 0.2	6.00 ± 0.3
3308	10.0 ± 0.2	12.70 ± 0.2	3.00 ± 0.3	2.40 ± 0.2	2.20 ± 0.2	7.60 ± 0.3
3316	10.0 ± 0.2	12.70 ± 0.2	5.00 ± 0.3	2.40 ± 0.2	2.20 ± 0.2	7.60 ± 0.3
3340	10.0 ± 0.2	12.70 ± 0.2	11.0 ± 0.5	2.40 ± 0.2	2.20 ± 0.2	7.60 ± 0.3
5022	15.0 ± 0.3	18.40 ± 0.3	7.00 ± 0.5	2.40 ± 0.2	2.20 ± 0.2	13.30 ± 0.3

CHTPW 1608

BW Part Number	Inductance (μ H)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I rms (A)	I sat (A)
CHTPW 1608-1R0M	1.0 $\pm$ 20%	0.1V/100K	130.0	0.05	2.90	2.90
CHTPW 1608-1R5M	1.5 $\pm$ 20%	0.1V/100K	115.0	0.05	2.80	2.60
CHTPW 1608-2R2M	2.2 $\pm$ 20%	0.1V/100K	90.0	0.07	2.40	2.30
CHTPW 1608-3R3M	3.3 $\pm$ 20%	0.1V/100K	70.0	0.08	2.00	2.00
CHTPW 1608-4R7M	4.7 $\pm$ 20%	0.1V/100K	50.0	0.09	1.50	1.50
CHTPW 1608-6R8M	6.8 $\pm$ 20%	0.1V/100K	45.0	0.13	1.40	1.20
CHTPW 1608-100M	10 $\pm$ 20%	0.1V/100K	35.0	0.16	1.10	1.10
CHTPW 1608-150M	15 $\pm$ 20%	0.1V/100K	30.0	0.23	1.00	0.90
CHTPW 1608-220M	22 $\pm$ 20%	0.1V/100K	20.0	0.27	0.80	0.70
CHTPW 1608-330M	33 $\pm$ 20%	0.1V/100K	15.0	0.51	0.60	0.58
CHTPW 1608-470M	47 $\pm$ 20%	0.1V/100K	14.0	0.64	0.50	0.50
CHTPW 1608-680M	68 $\pm$ 20%	0.1V/100K	11.0	0.86	0.40	0.50
CHTPW 1608-101M	100 $\pm$ 20%	0.1V/100K	9.0	1.27	0.30	0.31
CHTPW 1608-151M	150 $\pm$ 20%	0.1V/100K	6.0	2.00	0.25	0.27
CHTPW 1608-221M	220 $\pm$ 20%	0.1V/100K	5.5	3.11	0.20	0.22
CHTPW 1608-331M	330 $\pm$ 20%	0.1V/100K	5.0	3.80	0.16	0.18
CHTPW 1608-471M	470 $\pm$ 20%	0.1V/100K	4.0	5.06	0.15	0.16
CHTPW 1608-681M	680 $\pm$ 20%	0.1V/100K	3.0	9.20	0.12	0.14
CHTPW 1608-102M	1000 $\pm$ 20%	0.1V/100K	2.0	13.80	0.07	0.10

CHTPW 2012

BW Part Number	Inductance (μ H)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I rms (A)	I sat (A)
CHTPW 2012-3R3M	3.3 $\pm$ 20%	0.1V/100K	50.0	0.030	3.70	7.0
CHTPW 2012-4R7M	4.7 $\pm$ 20%	0.1V/100K	40.0	0.018	3.30	6.0
CHTPW 2012-6R8M	6.8 $\pm$ 20%	0.1V/100K	30.0	0.050	2.70	5.0
CHTPW 2012-100M	10 $\pm$ 20%	0.1V/100K	23.0	0.060	2.30	4.0
CHTPW 2012-150M	15 $\pm$ 20%	0.1V/100K	20.0	0.080	2.10	3.0
CHTPW 2012-220M	22 $\pm$ 20%	0.1V/100K	16.0	0.130	1.60	2.5
CHTPW 2012-330M	33 $\pm$ 20%	0.1V/100K	12.0	0.180	1.30	2.0
CHTPW 2012-470M	47 $\pm$ 20%	0.1V/100K	11.0	0.260	1.10	1.8
CHTPW 2012-680M	68 $\pm$ 20%	0.1V/100K	9.0	0.350	1.00	1.5
CHTPW 2012-101M	100 $\pm$ 20%	0.1V/100K	7.0	0.580	0.70	1.0
CHTPW 2012-151M	150 $\pm$ 20%	0.1V/100K	5.0	0.750	0.60	0.9
CHTPW 2012-221M	220 $\pm$ 20%	0.1V/100K	4.0	1.050	0.50	0.8
CHTPW 2012-331M	330 $\pm$ 20%	0.1V/100K	3.5	1.600	0.45	0.6

CHTPW 3308

BW Part Number	Inductance (μ H)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I rms (A)	I sat (A)
CHTPW 3308-100M	10 $\pm$ 20%	0.1V/100K	35.0	0.11	2.00	2.40
CHTPW 3308-150M	15 $\pm$ 20%	0.1V/100K	33.0	0.15	1.50	2.00
CHTPW 3308-220M	22 $\pm$ 20%	0.1V/100K	25.0	0.23	1.30	1.60
CHTPW 3308-330M	33 $\pm$ 20%	0.1V/100K	19.0	0.30	1.10	1.40
CHTPW 3308-470M	47 $\pm$ 20%	0.1V/100K	14.0	0.39	0.80	1.00
CHTPW 3308-680M	68 $\pm$ 20%	0.1V/100K	12.0	0.66	0.70	0.90
CHTPW 3308-101M	100 $\pm$ 20%	0.1V/100K	10.0	0.84	0.60	0.70
CHTPW 3308-151M	150 $\pm$ 20%	0.1V/100K	8.0	1.20	0.50	0.60
CHTPW 3308-221M	220 $\pm$ 20%	0.1V/100K	6.0	1.90	0.40	0.50
CHTPW 3308-331M	330 $\pm$ 20%	0.1V/100K	5.0	2.70	0.30	0.40
CHTPW 3308-471M	470 $\pm$ 20%	0.1V/100K	4.0	4.00	0.20	0.20
CHTPW 3308-681M	680 $\pm$ 20%	0.1V/100	3.0	5.30	0.10	0.20
CHTPW 3308-102M	1000 $\pm$ 20%	0.1V/100	2.5	8.40	0.05	0.10



Power Inductor

SMD / Unshielded Type



CHTPW 3316

BW Part Number	Inductance (μH)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I rms (A)	I sat (A)
CHTPW 3316-1R0M	1.0± 20%	0.1V/100K	150.0	0.009	6.8	9.0
CHTPW 3316-1R5M	1.5± 20%	0.1V/100K	100.0	0.010	6.4	8.0
CHTPW 3316-2R2M	2.2± 20%	0.1V/100K	85.0	0.012	6.1	7.0
CHTPW 3316-3R3M	3.3± 20%	0.1V/100K	60.0	0.015	5.4	5.8
CHTPW 3316-4R7M	4.7± 20%	0.1V/100K	45.0	0.018	4.8	5.2
CHTPW 3316-6R8M	6.8± 20%	0.1V/100K	35.0	0.027	4.4	4.3
CHTPW 3316-100M	10 ± 20%	0.1V/100K	25.0	0.038	3.9	3.4
CHTPW 3316-150M	15 ± 20%	0.1V/100K	20.0	0.046	3.1	3.0
CHTPW 3316-220M	22 ± 20%	0.1V/100K	18.0	0.085	2.7	2.5
CHTPW 3316-330M	33 ± 20%	0.1V/100K	14.0	0.100	2.1	2.0
CHTPW 3316-470M	47 ± 20%	0.1V/100K	11.0	0.140	1.8	1.8
CHTPW 3316-680M	68 ± 20%	0.1V/100K	10.0	0.200	1.5	1.4
CHTPW 3316-101M	100± 20%	0.1V/100K	7.0	0.280	1.3	1.1
CHTPW 3316-151M	150± 20%	0.1V/100K	6.5	0.400	1.0	0.9
CHTPW 3316-221M	220± 20%	0.1V/100K	5.0	0.610	0.8	0.8
CHTPW 3316-331M	330± 20%	0.1V/100K	4.0	1.020	0.6	0.6
CHTPW 3316-471M	470± 20%	0.1V/100K	3.0	1.270	0.5	0.5
CHTPW 3316-681M	680± 20%	0.1V/100K	2.5	2.020	0.4	0.4
CHTPW 3316-102M	1000 ± 20%	0.1V/100K	2.0	3.000	0.3	0.3

CHTPW 3340

BW Part Number	Inductance (μH)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I rms (A)	I sat (A)
CHTPW 3340-100M	10 ± 20%	0.1V/100K	23.0	0.040	3.50	7.0
CHTPW 3340-150M	15 ± 20%	0.1V/100K	14.0	0.050	3.20	5.8
CHTPW 3340-220M	22 ± 20%	0.1V/100K	8.5	0.066	2.90	4.8
CHTPW 3340-330M	33 ± 20%	0.1V/100K	7.0	0.080	2.35	3.8
CHTPW 3340-470M	47 ± 20%	0.1V/100K	6.5	0.110	2.10	3.4
CHTPW 3340-680M	68 ± 20%	0.1V/100K	4.5	0.170	1.90	2.7
CHTPW 3340-101M	100± 20%	0.1V/100K	4.0	0.220	1.55	2.2
CHTPW 3340-151M	150± 20%	0.1V/100K	3.0	0.340	1.35	1.9
CHTPW 3340-221M	220± 20%	0.1V/100K	2.5	0.440	1.00	1.5
CHTPW 3340-331M	330± 20%	0.1V/100K	2.3	0.700	0.90	1.3
CHTPW 3340-471M	470± 20%	0.1V/100K	2.0	0.950	0.75	1.0
CHTPW 3340-681M	680± 20%	0.1V/100K	1.5	1.200	0.55	0.9
CHTPW 3340-102M	1000 ± 20%	0.1V/100K	1.3	2.00	0.50	0.7

CHTPW 5022

BW Part Number	Inductance (μH)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I rms (A)	I sat (A)
CHTPW 5022-1R0M	1.0± 20%	0.1V/100K	140	0.009	8.60	20.0
CHTPW 5022-1R5M	1.5± 20%	0.1V/100K	110	0.012	7.50	18.0
CHTPW 5022-2R2M	2.2± 20%	0.1V/100K	75	0.014	7.10	16.0
CHTPW 5022-3R3M	3.3± 20%	0.1V/100K	70	0.018	6.20	14.0
CHTPW 5022-5R6M	5.6± 20%	0.1V/100K	45	0.020	5.30	12.0
CHTPW 5022-100M	10 ± 20%	0.1V/100K	21	0.031	4.30	10.0
CHTPW 5022-150M	15 ± 20%	0.1V/100K	16	0.036	4.00	8.0
CHTPW 5022-220M	22 ± 20%	0.1V/100K	13	0.047	3.50	7.0
CHTPW 5022-330M	33 ± 20%	0.1V/100K	11	0.066	3.00	5.5
CHTPW 5022-470M	47 ± 20%	0.1V/100K	9.0	0.086	2.60	4.5
CHTPW 5022-680M	68 ± 20%	0.1V/100K	6.5	0.130	2.30	3.5
CHTPW 5022-101M	100± 20%	0.1V/100K	5.7	0.190	1.80	3.0
CHTPW 5022-151M	150± 20%	0.1V/100K	4.5	0.250	1.50	2.6
CHTPW 5022-221M	220± 20%	0.1V/100K	3.7	0.380	1.20	2.4
CHTPW 5022-331M	330± 20%	0.1V/100K	3.0	0.560	1.00	1.9
CHTPW 5022-471M	470± 20%	0.1V/100K	2.7	0.850	0.82	1.4
CHTPW 5022-681M	680± 20%	0.1V/100K	2.2	1.100	0.72	1.2
CHTPW 5022-102M	1000 ± 20%	0.1V/100K	2.0	1.300	0.56	1.0

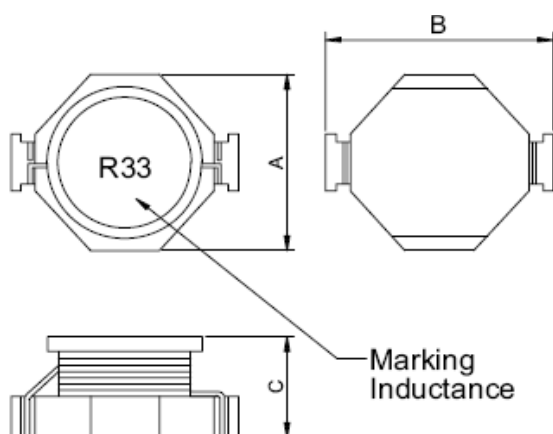
CHCPW series

FEATURES

1. Low cost, high performance inductor.
2. Supper low resistance with high current rating.
3. The products contain no lead and also support lead-free soldering.



DIMENSIONS



Size	A(mm)	B(mm)	C(mm)
3316	9.91	13.5	6.35
5022	16.26	22.35	8

APPLICATIONS

- Excellent for DC-DC Converter used in notebook computers,
- PDA, step down converters.

PARTNUMBER

CHCPW	5022	—	2R2	M	F	V
A	B		C	D	E	F

A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance $K=\pm 10\%$, $M=\pm 20\%$
 E: Lead Free Code
 F: ID Code



Power Inductor

SMD / Unshielded Type



CHCPW 3316

BW Part Number	Inductance (μH)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I rms (A)	I sat (A)
CHCPW 3316-R33M	0.33± 20%	0.1V/100K	300	0.002	16.0	20.0
CHCPW 3316-R68M	0.68± 20%	0.1V/100K	200	0.005	12.0	13.0
CHCPW 3316-1R0M	1.0 ± 20%	0.1V/100K	100	0.006	10.0	11.0
CHCPW 3316-1R5M	1.5 ± 20%	0.1V/100K	90	0.008	9.0	9.0
CHCPW 3316-2R2M	2.2 ± 20%	0.1V/100K	90	0.011	7.4	7.8
CHCPW 3316-2R7M	2.7 ± 20%	0.1V/100K	65	0.012	6.6	7.0
CHCPW 3316-3R3M	3.3 ± 20%	0.1V/100K	65	0.014	5.9	6.4
CHCPW 3316-4R7M	4.7 ± 20%	0.1V/100K	45	0.018	4.8	5.4
CHCPW 3316-5R6M	5.6 ± 20%	0.1V/100K	40	0.022	4.6	5.0
CHCPW 3316-6R8M	6.8 ± 20%	0.1V/100K	36	0.027	4.4	4.6
CHCPW 3316-8R2M	8.2 ± 20%	0.1V/100K	28	0.032	4.0	4.0
CHCPW 3316-100M	10 ± 20%	0.1V/100K	25	0.038	3.9	3.8

CHCPW 5022

BW Part Number	Inductance (μH)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) Max	I rms (A)	I sat (A)
CHCPW 5022-R78M	0.78± 20%	0.1V/100K	156	0.003	15	30
CHCPW 5022-1R5M	1.5 ± 20%	0.1V/100K	100	0.004	15	25
CHCPW 5022-2R2M	2.2 ± 20%	0.1V/100K	75	0.006	12	20
CHCPW 5022-3R3M	3.3 ± 20%	0.1V/100K	60	0.008	10	17
CHCPW 5022-3R9M	3.9 ± 20%	0.1V/100K	55	0.010	9.0	15
CHCPW 5022-4R7M	4.7 ± 20%	0.1V/100K	40	0.014	8.4	13
CHCPW 5022-6R0M	6.0 ± 20%	0.1V/100K	35	0.017	7.5	12
CHCPW 5022-7R8M	7.8 ± 20%	0.1V/100K	35	0.018	7.5	11
CHCPW 5022-100M	10 ± 20%	0.1V/100K	28	0.026	6.0	10
CHCPW 5022-150M	15 ± 20%	0.1V/100K	20	0.032	4.4	8

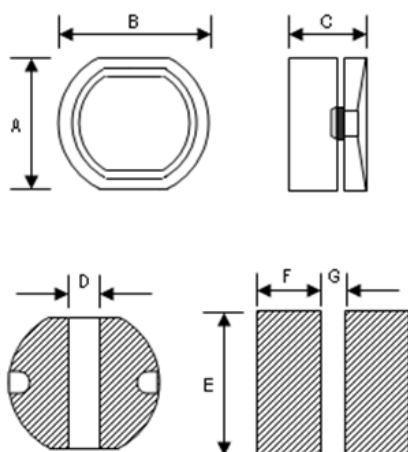
TPI series

FEATURES

1. Magnetically shielded construction
2. Compact and thin
3. Excellent terminal strength construction.
4. With electrode plating on the ferrite core and small area for the need of high mounting density.



DIMENSIONS



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)
0603	5.50±0.4	6.50±0.4	3.50±0.5	1.45 ref	5.50	2.25	1.70
0705	7.00±0.4	7.50±0.4	4.90±0.5	2.10 ref	7.50	4.00	2.00
1005	9.00±0.4		5.50±0.5	2.90 ref	9.50	5.00	2.50

APPLICATIONS

- Excellent for VTR, OA equipment, LCD television sets, notebook PC,
- portable communication equipments, DC/DC, etc.

PARTNUMBER

TPI	0603	—	100	M	F	V
A	B		C	D	E	F

A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance K = ±10%
 L = ±15% M = ±20%
 E: Lead Free Code
 F: ID Code



Power Inductor

SMD /Unshielded Type



TPI 0603

Part Number	Inductance (μ H)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
TPI0603-100M	10	1K	0.140	1.000
TPI0603-120M	12	1K	0.160	0.940
TPI0603-150M	15	1K	0.180	0.860
TPI0603-180M	18	1K	0.250	0.780
TPI0603-220M	22	1K	0.320	0.760
TPI0603-270M	27	1K	0.360	0.640
TPI0603-330M	33	1K	0.410	0.610
TPI0603-390M	39	1K	0.470	0.530
TPI0603-470M	47	1K	0.510	0.500
TPI0603-560M	56	1K	0.720	0.460
TPI0603-680M	68	1K	0.820	0.420

TPI 0705

Part Number	Inductance (μ H)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
TPI0705-100M	10	1K	0.070	1.650
TPI0705-120M	12	1K	0.070	1.570
TPI0705-150M	15	1K	0.080	1.390
TPI0705-180M	18	1K	0.100	1.290
TPI0705-220M	22	1K	0.130	1.120
TPI0705-270M	27	1K	0.160	1.060
TPI0705-330M	33	1K	0.180	0.970
TPI0705-390M	39	1K	0.180	0.910
TPI0705-470M	47	1K	0.270	0.800
TPI0705-560M	56	1K	0.290	0.760
TPI0705-680M	68	1K	0.330	0.680
TPI0705-820M	82	1K	0.430	0.620
TPI0705-101M	100	100K	0.490	0.550
TPI0705-121M	120	100K	0.680	0.490
TPI0705-151M	150	100K	0.940	0.440
TPI0705-181M	180	100K	1.000	0.400
TPI0705-221M	220	100K	1.180	0.360
TPI0705-271M	270	100K	1.300	0.330

TPI 1005

Part Number	Inductance (μ H)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
TPI1005-100M	10	1K	0.060	2.060
TPI1005-120M	12	1K	0.070	1.940
TPI1005-150M	15	1K	0.070	1.720
TPI1005-180M	18	1K	0.080	1.580
TPI1005-220M	22	1K	0.080	1.420
TPI1005-270M	27	1K	0.100	1.320
TPI1005-330M	33	1K	0.110	1.160
TPI1005-390M	39	1K	0.120	1.100
TPI1005-470M	47	1K	0.140	1.000
TPI1005-560M	56	1K	0.190	0.930
TPI1005-680M	68	1K	0.210	0.850
TPI1005-820M	82	1K	0.280	0.790
TPI1005-101M	100	100K	0.340	0.720
TPI1005-121M	120	100K	0.370	0.630
TPI1005-151M	150	100K	0.510	0.550
TPI1005-181M	180	100K	0.570	0.500
TPI1005-221M	220	100K	0.780	0.470
TPI1005-271M	270	100K	0.870	0.410
TPI1005-331M	330	100K	1.200	0.370
TPI1005-391M	390	100K	1.340	0.350
TPI1005-471M	470	100K	1.500	0.330

BHI series

FEATURES

1. Excellent for use as power supply circuit.
2. Wide inductance range from 0.12 μ H to 560 μ H.
3. Suitable for flow and reflow soldering.
4. Available in various sizes.
5. Excellent solderability and heat resistance.

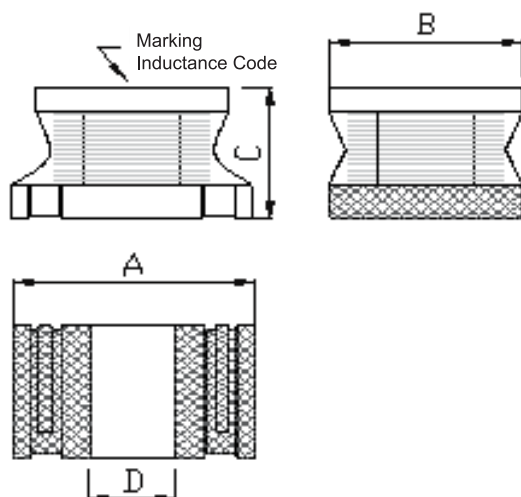


PARTNUMBER

BHI	2015	—	1R0	K	F	V
A	B		C	D	E	F

A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance K=±10%, M=±20%
 E: Lead Free Code
 F: ID Code

DIMENSIONS

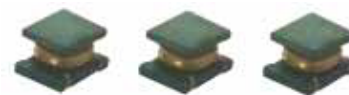


Size	A(mm)	B(mm)	C(mm)	D(mm)
2015	2.0±0.2	1.5±0.2	1.7±0.2	0.8±0.2
2520	2.5±0.2	2.0±0.2	1.8±0.2	0.9±0.3
3216	3.2±0.3	1.6±0.3	1.8±0.3	0.9±0.3
3225	3.2±0.3	2.5±0.3	2.2±0.3	0.9±0.3
4532	4.5±0.3	3.2±0.3	2.6±0.3	0.9±0.3
5750	5.7±0.3	5.0±0.3	4.5±0.3	2.1±0.3



Power Inductor

SMD / Unshielded Type



BHI 2015

BW Part Number	Inductance (μH)	Test Frequency (MHz)	DCR (Ω) Max	Rated Current (mA)
BHI2015-1R0K	1.00±10%	7.96	0.208	700
BHI2015-2R2K	2.20±10%	7.96	0.299	620
BHI2015-4R7K	4.70±10%	7.96	0.520	430
BHI2015-100K	10.0±10%	2.52	0.910	300
BHI2015-220K	22.0±10%	2.52	2.210	220

BHI 2520

BW Part Number	Inductance (μH)	Test Frequency (MHz)	DCR (Ω) Max	Rated Current (mA)
BHI2520-1R0M	1.0±20%	7.96	0.442	475
BHI2520-1R5M	1.5±20%	7.96	0.546	435
BHI2520-2R2M	2.2±20%	7.96	0.650	390
BHI2520-3R3M	3.3±20%	7.96	0.845	340
BHI2520-4R7M	4.7±20%	7.96	1.040	285
BHI2520-6R8M	6.8±20%	7.96	1.300	275
BHI2520-100K	10±10%	2.52	2.197	210
BHI2520-150K	15±10%	2.52	2.860	175
BHI2520-220K	22±10%	2.52	3.640	160
BHI2520-330K	33±10%	2.52	5.460	120

BHI 3216

BW Part Number	Inductance (μH)	Test Frequency (MHz)	DCR (Ω) Max	Rated Current (mA)
BHI3216-R12M	0.12±20%	1.00	0.112	970
BHI3216-R22M	0.22±20%	1.00	0.140	850
BHI3216-R47M	0.47±20%	1.00	0.210	700
BHI3216-1R0M	1.00±20%	1.00	0.364	510
BHI3216-2R2M	2.20±20%	1.00	0.533	430
BHI3216-4R7M	4.70±20%	1.00	0.845	340
BHI3216-100K	10.0±10%	1.00	1.69	230
BHI3216-220K	22.0±10%	1.00	3.90	160
BHI3216-470K	47.0±10%	1.00	10.4	100
BHI3216-101K	100±10%	1.00	15.6	80

BHI 3225

BW Part Number	Inductance (μH)	Test Frequency (MHz)	DCR (Ω) Max	Rated Current (mA)
BHI3225-1R0M	1.0±20%	1.0	0.117	800
BHI3225-2R2M	2.2±20%	1.0	0.169	600
BHI3225-4R7M	4.7±20%	1.0	0.260	450
BHI3225-100K	10.0±10%	1.0	0.572	300
BHI3225-220K	22.0±10%	1.0	0.923	250
BHI3225-470K	47.0±10%	1.0	1.690	170
BHI3225-101K	100±10%	1.0	4.550	100
BHI3225-221K	220±10%	1.0	10.92	70
BHI3225-331K	330±10%	1.0	13.0	60
BHI3225-391K	390±10%	1.0	22.1	60
BHI3225-471K	470±10%	1.0	24.7	60
BHI3225-561K	560±10%	1.0	28.6	60

BHI 4532

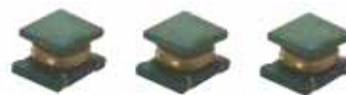
BW Part Number	Inductance (μ H)	Test Frequency (MHz)	DCR (Ω) Max	Rated Current (mA)
BHI4532-4R7M	4.7 $\pm$ 20%	1.0	0.15	750
BHI4532-6R8M	6.8 $\pm$ 20%	1.0	0.20	720
BHI4532-100K	10.0 $\pm$ 10%	1.0	0.24	650
BHI4532-150K	15.0 $\pm$ 10%	1.0	0.32	570
BHI4532-220K	22.0 $\pm$ 10%	1.0	0.60	420
BHI4532-330K	33.0 $\pm$ 10%	1.0	1.00	310
BHI4532-470K	47.0 $\pm$ 10%	1.0	1.10	280
BHI4532-680K	68.0 $\pm$ 10%	1.0	1.70	220
BHI4532-101K	100 $\pm$ 10%	1.0	2.20	190
BHI4532-151K	150 $\pm$ 10%	1.0	3.50	130
BHI4532-221K	220 $\pm$ 10%	1.0	4.00	110
BHI4532-331K	330 $\pm$ 10%	1.0	6.80	100
BHI4532-471K	470 $\pm$ 10%	1.0	8.50	90

BHI 5750

BW Part Number	Inductance (μ H)	Test Frequency (MHz)	DCR (Ω) Max	Rated Current (mA)
BHI5750-1R0M	1.00 $\pm$ 20%	1.0	0.020	900
BHI5750-1R2M	1.20 $\pm$ 20%	1.0	0.024	881
BHI5750-1R5M	1.50 $\pm$ 20%	1.0	0.028	780
BHI5750-1R8M	1.80 $\pm$ 20%	1.0	0.032	708
BHI5750-2R2M	2.20 $\pm$ 20%	1.0	0.035	654
BHI5750-2R7M	2.70 $\pm$ 20%	1.0	0.045	583
BHI5750-3R3M	3.30 $\pm$ 20%	1.0	0.054	548
BHI5750-3R9M	3.90 $\pm$ 20%	1.0	0.056	527
BHI5750-4R7M	4.70 $\pm$ 20%	1.0	0.081	448
BHI5750-5R6M	5.60 $\pm$ 20%	1.0	0.100	391
BHI5750-6R8M	6.80 $\pm$ 20%	1.0	0.124	357
BHI5750-8R2M	8.20 $\pm$ 20%	1.0	0.150	328
BHI5750-100M	10.0 $\pm$ 20%	1.0	0.167	306
BHI5750-120M	12.0 $\pm$ 20%	1.0	0.190	295
BHI5750-150M	15.0 $\pm$ 20%	1.0	0.215	263
BHI5750-180M	18.0 $\pm$ 20%	1.0	0.256	246
BHI5750-220M	22.0 $\pm$ 20%	1.0	0.322	221
BHI5750-270M	27.0 $\pm$ 20%	1.0	0.389	175
BHI5750-330M	33.0 $\pm$ 20%	1.0	0.488	178
BHI5750-390M	39.0 $\pm$ 20%	1.0	0.486	170
BHI5750-470M	47.0 $\pm$ 20%	1.0	0.586	150
BHI5750-560M	56.0 $\pm$ 20%	1.0	0.725	145
BHI5750-680M	68.0 $\pm$ 20%	1.0	0.806	130
BHI5750-820M	82.0 $\pm$ 20%	1.0	0.990	115
BHI5750-101K	100.0 $\pm$ 10%	1.0	1.100	105
BHI5750-121K	120.0 $\pm$ 10%	1.0	1.388	97
BHI5750-151K	150.0 $\pm$ 10%	1.0	1.575	94
BHI5750-181K	180.0 $\pm$ 10%	1.0	2.000	84
BHI5750-221K	220.0 $\pm$ 10%	1.0	2.550	72
BHI5750-271K	270.0 $\pm$ 10%	1.0	2.285	67
BHI5750-331K	330.0 $\pm$ 10%	1.0	3.600	60
BHI5750-391K	390.0 $\pm$ 10%	1.0	4.000	55

Power Inductor

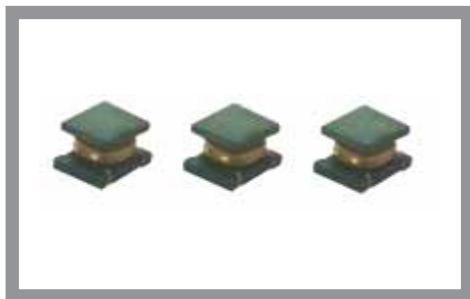
SMD / Unshielded Type



BHQ series

FEATURES

1. Wide inductance range from 0.1 μ H to 2200 μ H.
2. Suitable for flow and reflow soldering.
3. Excellent solderability and heat resistance.
4. The products contain no lead and also support lead-free soldering.
5. High Q value at high frequency and low DC resistance



PARTNUMBER

BHQ	3216	—	1R0	K	F	V
A	B		C	D	E	F

A: Series

B: Dimension

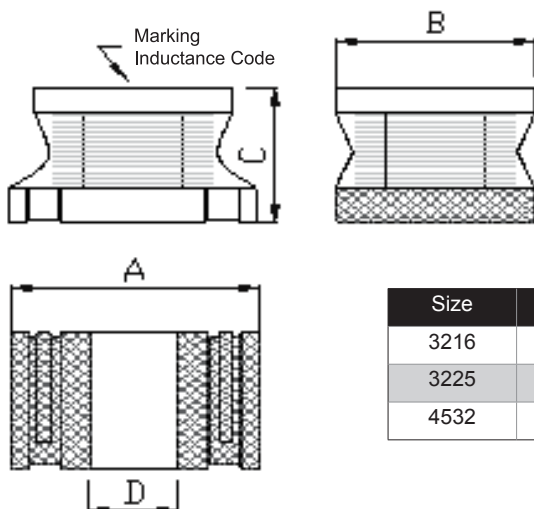
C: Inductance

D: Inductance Tolerance M=±20%, Y=±30%

E: Lead Free Code

F: ID Code

DIMENSIONS



Size	A(mm)	B(mm)	C(mm)	D(mm)
3216	3.2±0.3	1.6±0.3	1.8±0.3	0.9±0.3
3225	3.2±0.3	2.5±0.3	2.2±0.3	0.9±0.3
4532	4.5±0.3	3.2±0.3	2.6±0.3	0.9±0.3

BHQ 3216

BW Part Number	Inductance (μ H)	Test Frequency (MHz)	Q Nominal Value (min)	Q Test Frequency (MHz)	Rated Current (mA)	DCR (Ω) Max	SRF (MHz) min
BHQ3216-1R0K	1.0 $\pm$ 10%	1	35	10	175	0.637	100
BHQ3216-1R2K	1.2 $\pm$ 10%	1	35	10	165	1.17	90
BHQ3216-1R5K	1.5 $\pm$ 10%	1	35	10	155	1.3	75
BHQ3216-1R8K	1.8 $\pm$ 10%	1	35	10	150	2.08	60
BHQ3216-2R2K	2.2 $\pm$ 10%	1	35	10	140	0.91	50
BHQ3216-2R7K	2.7 $\pm$ 10%	1	35	10	135	0.715	43
BHQ3216-3R3K	3.3 $\pm$ 10%	1	35	8	130	1.82	38
BHQ3216-3R9K	3.9 $\pm$ 10%	1	35	8	125	1.95	35
BHQ3216-4R7K	4.7 $\pm$ 10%	1	35	8	120	2.21	31
BHQ3216-5R6K	5.6 $\pm$ 10%	1	35	8	115	2.34	28
BHQ3216-6R8K	6.8 $\pm$ 10%	1	35	8	110	2.6	25
BHQ3216-8R2K	8.2 $\pm$ 10%	1	35	8	105	2.86	23
BHQ3216-100K	10 $\pm$ 10%	1	35	5	100	3.25	20
BHQ3216-120K	12 $\pm$ 10%	1	35	5	95	3.51	18
BHQ3216-150K	15 $\pm$ 10%	1	35	5	90	3.9	16
BHQ3216-180K	18 $\pm$ 10%	1	35	5	85	4.42	15
BHQ3216-220K	22 $\pm$ 10%	1	40	2.5	85	4.03	14
BHQ3216-270K	27 $\pm$ 10%	1	40	2.5	85	4.42	13
BHQ3216-330K	33 $\pm$ 10%	1	40	2.5	80	4.94	12
BHQ3216-390K	39 $\pm$ 10%	1	40	2.5	55	9.36	11
BHQ3216-470K	47 $\pm$ 10%	1	40	2.5	55	10.4	10
BHQ3216-560K	56 $\pm$ 10%	1	40	2.5	50	11.57	9
BHQ3216-680K	68 $\pm$ 10%	1	40	2.5	50	12.87	8.5
BHQ3216-820K	82 $\pm$ 10%	1	40	2.5	45	14.3	7.5
BHQ3216-101K	100 $\pm$ 10%	1	40	2.5	45	15.6	7

BHQ 3225

BW Part Number	Inductance (μ H)	Test Frequency (MHz)	Q Nominal Value (min)	Q Test Frequency (MHz)	Rated Current (mA)	DCR (Ω) Max	SRF (MHz) min
BHQ3225-1R0M	1.0 $\pm$ 20%	1	20	1	445	0.5	100
BHQ3225-1R2M	1.2 $\pm$ 20%	1	20	1	425	0.6	100
BHQ3225-1R5K	1.5 $\pm$ 10%	1	20	1	400	0.6	75
BHQ3225-1R8K	1.8 $\pm$ 10%	1	20	1	390	0.7	60
BHQ3225-2R2K	2.2 $\pm$ 10%	1	20	1	370	0.8	50
BHQ3225-2R7K	2.7 $\pm$ 10%	1	20	1	320	0.9	43
BHQ3225-3R3K	3.3 $\pm$ 10%	1	20	1	300	1	38
BHQ3225-3R9K	3.9 $\pm$ 10%	1	20	1	290	1.1	35
BHQ3225-4R7K	4.7 $\pm$ 10%	1	20	1	270	1.2	31
BHQ3225-5R6K	5.6 $\pm$ 10%	1	20	1	250	1.3	28
BHQ3225-6R8K	6.8 $\pm$ 10%	1	20	1	240	1.5	25
BHQ3225-8R2K	8.2 $\pm$ 10%	1	20	1	225	1.6	23
BHQ3225-100K	10 $\pm$ 10%	1	35	1	190	1.8	20
BHQ3225-120K	12 $\pm$ 10%	1	35	1	180	2	18
BHQ3225-150K	15 $\pm$ 10%	1	35	1	170	2.2	16
BHQ3225-180K	18 $\pm$ 10%	1	35	1	165	2.5	15
BHQ3225-220K	22 $\pm$ 10%	1	35	1	150	2.8	14
BHQ3225-270K	27 $\pm$ 10%	1	40	1	125	3.1	13
BHQ3225-330K	33 $\pm$ 10%	1	40	1	115	3.5	12
BHQ3225-390K	39 $\pm$ 10%	1	40	1	110	3.9	11
BHQ3225-470K	47 $\pm$ 10%	1	40	1	100	4.3	11
BHQ3225-560K	56 $\pm$ 10%	1	40	1	85	4.9	10
BHQ3225-680K	68 $\pm$ 10%	1	40	1	80	5.5	9
BHQ3225-820K	82 $\pm$ 10%	1	40	1	70	6.2	8.5
BHQ3225-101K	100 $\pm$ 10%	1	40	0.796	80	7	8
BHQ3225-121K	120 $\pm$ 10%	1	40	0.796	75	8	7.5
BHQ3225-151K	150 $\pm$ 10%	1	40	0.796	70	9.3	7
BHQ3225-181K	180 $\pm$ 10%	1	40	0.796	65	10.2	6
BHQ3225-221K	220 $\pm$ 10%	1	40	0.796	65	11.8	5.5
BHQ3225-271K	270 $\pm$ 10%	1	40	0.796	65	12.5	5
BHQ3225-331K	330 $\pm$ 10%	1	40	0.796	65	13	5
BHQ3225-391K	390 $\pm$ 10%	1	50	0.796	50	22	5
BHQ3225-471K	470 $\pm$ 10%	1 KHz	50	0.796	45	25	5
BHQ3225-561K	560 $\pm$ 10%	1 KHz	50	0.796	40	28	5



Power Inductor

SMD / Unshielded Type



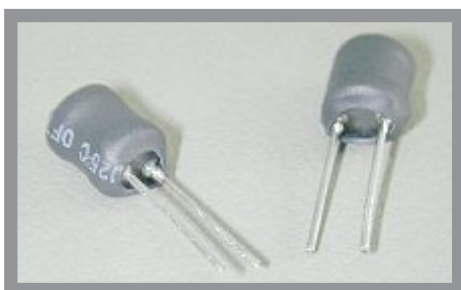
BHQ 4532

BW Part Number	Inductance (μH)	Test Frequency (MHz)	Q Nominal Value (min)	Q Test Frequency (MHz)	Rated Current (mA)	DCR (Ω) Max	SRF (MHz) min
BHQ4532-1R0M	1.0±20%	1	20	1	500	0.2	120
BHQ4532-1R2M	1.2±20%	1	20	1	500	0.2	100
BHQ4532-1R5M	1.5±20%	1	20	1	500	0.3	85
BHQ4532-1R8M	1.8±20%	1	20	1	500	0.3	75
BHQ4532-2R2M	2.2±20%	1	20	1	500	0.3	62
BHQ4532-2R7M	2.7±20%	1	20	1	500	0.32	53
BHQ4532-3R3M	3.3±20%	1	20	1	500	0.35	47
BHQ4532-3R9M	3.9±20%	1	20	1	500	0.38	41
BHQ4532-4R7K	4.7±10%	1	30	1	500	0.4	38
BHQ4532-5R6K	5.6±10%	1	30	1	500	0.47	33
BHQ4532-6R8K	6.8±10%	1	30	1	450	0.5	31
BHQ4532-8R2K	8.2±10%	1	30	1	450	0.56	27
BHQ4532-100K	10±10%	1	35	1	400	0.56	23
BHQ4532-120K	12±10%	1	35	1	380	0.62	21
BHQ4532-150K	15±10%	1	35	1	360	0.73	19
BHQ4532-180K	18±10%	1	35	1	340	0.82	17
BHQ4532-220K	22±10%	1	35	1	320	0.94	15
BHQ4532-270K	27±10%	1	35	1	300	1.1	14
BHQ4532-330K	33±10%	1	35	1	270	1.2	12
BHQ4532-390K	39±10%	1	35	1	240	1.4	11
BHQ4532-470K	47±10%	1	35	1	220	1.5	10
BHQ4532-560K	56±10%	1	35	1	200	1.7	9.3
BHQ4532-680K	68±10%	1	35	1	180	1.9	8.4
BHQ4532-820K	82±10%	1	35	1	170	2.2	7.5
BHQ4532-101K	100±10%	1	40	0.796	160	2.5	6.8
BHQ4532-121K	120±10%	1	40	0.796	150	3.0	6.2
BHQ4532-151K	150±10%	1	40	0.796	130	3.7	5.5
BHQ4532-181K	180±10%	1	40	0.796	120	4.5	5.0
BHQ4532-221K	220±10%	1	40	0.796	110	5.4	4.5
BHQ4532-271K	270±10%	1	40	0.796	100	6.8	4.0
BHQ4532-331K	330±10%	1	40	0.796	95	8.2	3.6
BHQ4532-391K	390±10%	1	40	0.796	90	9.7	3.3
BHQ4532-471K	470±10%	1 KHz	40	0.796	80	11.8	3.0
BHQ4532-561K	560±10%	1 KHz	40	0.796	70	14.5	2.7
BHQ4532-681K	680±10%	1 KHz	40	0.796	65	17	2.5
BHQ4532-821K	820±10%	1 KHz	40	0.796	60	20.5	2.2
BHQ4532-102K	1000±10%	1 KHz	40	0.252	50	25	2.0
BHQ4532-122K	1200±10%	1 KHz	40	0.252	45	30	1.8
BHQ4532-152K	1500±10%	1 KHz	40	0.252	40	37	1.6
BHQ4532-182K	1800±10%	1 KHz	40	0.252	35	45	1.5
BHQ4532-222K	2200±10%	1 KHz	40	0.252	30	50	1.3

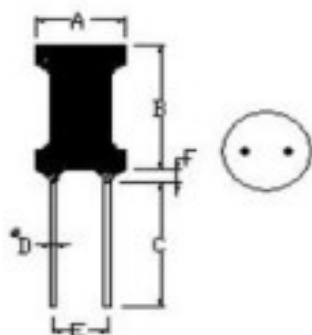
PK series

FEATURES

1. High rated current for high current circuits.
2. Designed by special lead wire to prevent from open circuit failure.



DIMENSIONS



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
0406	5.5 max	7.5±max	10±min	0.5±0.05	2.0±0.5	3.0 max.
0608	7.5 max	9.5±max	10±min	0.65±0.05	3.0±0.5	3.0 max.
0810	9.5 max	11.5±max	10±min	0.65±0.05	5.0±0.5	3.0 max.
0912	10.5 max	13.5±max	10±min	0.8±0.05	5.0±0.5	3.0 max.

APPLICATIONS

- DC to DC converters
- Amplifiers
- Noise Filtering

PARTNUMBER

PK	0608	—	100	K	F	V
A	B		C	D	E	F

A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance K=±10%, M=±20%
 E: Lead Free Code
 F: ID Code



Power Inductor

DIP /DR Type



PK 0406

BW Part Number	Inductance (μH)	Percent Tolerance	RDC (Ω) max	Rated Current (A)
PK 0406-100K	10	10%	0.058	3.00
PK 0406-120K	12	10%	0.068	2.80
PK 0406-150K	15	10%	0.074	2.50
PK 0406-180K	18	10%	0.098	2.30
PK 0406-220K	22	10%	0.106	2.25
PK 0406-270K	27	10%	0.149	2.20
PK 0406-330K	33	10%	0.180	2.00
PK 0406-390K	39	10%	0.197	1.80
PK 0406-470K	47	10%	0.218	1.70
PK 0406-560K	56	10%	0.305	1.50
PK 0406-680K	68	10%	0.335	1.40
PK 0406-820K	82	10%	0.416	1.30
PK 0406-101K	100	10%	0.538	1.10
PK 0406-121K	120	10%	0.625	1.00
PK 0406-151K	150	10%	0.695	0.90
PK 0406-181K	180	10%	0.848	0.80
PK 0406-221K	220	10%	1.188	0.75
PK 0406-271K	270	10%	1.368	0.70
PK 0406-331K	330	10%	1.566	0.67
PK 0406-391K	390	10%	1.775	0.63
PK 0406-471K	470	10%	2.952	0.60
PK 0406-561K	560	10%	3.294	0.55
PK 0406-681K	680	10%	4.104	0.50
PK 0406-821K	820	10%	4.626	0.47
PK 0406-102K	1000	10%	5.067	0.43

PK 0608

BW Part Number	Inductance (μH)	Percent Tolerance	RDC (Ω) max	Rated Current (A)
PK 0608-6R8K	6.8	10%	0.048	4.2
PK 0608-100K	10	10%	0.052	4.00
PK 0608-120K	12	10%	0.059	3.80
PK 0608-150K	15	10%	0.068	3.50
PK 0608-180K	18	10%	0.124	3.20
PK 0608-220K	22	10%	0.097	3.00
PK 0608-270K	27	10%	0.113	2.70
PK 0608-330K	33	10%	0.162	2.30
PK 0608-390K	39	10%	0.164	2.00
PK 0608-470K	47	10%	0.184	1.90
PK 0608-560K	56	10%	0.196	1.80
PK 0608-680K	68	10%	0.275	1.50
PK 0608-820K	82	10%	0.313	1.30
PK 0608-101K	100	10%	0.371	1.20
PK 0608-121K	120	10%	0.459	1.00
PK 0608-151K	150	10%	0.608	0.90
PK 0608-181K	180	10%	0.680	0.85
PK 0608-221K	220	10%	0.749	0.80
PK 0608-271K	270	10%	1.04	0.70
PK 0608-331K	330	10%	1.231	0.65
PK 0608-391K	390	10%	1.532	0.60
PK 0608-471K	470	10%	2.230	0.55
PK 0608-561K	560	10%	2.218	0.40
PK 0608-681K	680	10%	2.637	0.36
PK 0608-821K	820	10%	2.992	0.32
PK 0608-102K	1000	10%	4.986	0.28

PK 0810

BW Part Number	Inductance (μ H)	Percent Tolerance	RDC (Ω) max	Rated Current (A)
PK 0810-4R7K	4.7	10%	0.023	5
PK 0810-6R8K	6.8	10%	0.031	4.8
PK 0810-100K	10	10%	0.032	4.70
PK 0810-120K	12	10%	0.045	4.50
PK 0810-150K	15	10%	0.054	4.30
PK 0810-180K	18	10%	0.058	4.00
PK 0810-220K	22	10%	0.072	3.00
PK 0810-270K	27	10%	0.085	2.50
PK 0810-330K	33	10%	0.101	2.35
PK 0810-390K	39	10%	0.131	2.25
PK 0810-470K	47	10%	0.137	2.10
PK 0810-560K	56	10%	0.153	2.05
PK 0810-680K	68	10%	0.187	2.00
PK 0810-820K	82	10%	0.232	1.50
PK 0810-101K	100	10%	0.290	1.30
PK 0810-121K	120	10%	0.337	1.20
PK 0810-151K	150	10%	0.400	1.10
PK 0810-181K	180	10%	0.506	1.00
PK 0810-221K	220	10%	0.776	0.85
PK 0810-271K	270	10%	0.779	0.80
PK 0810-331K	330	10%	0.878	0.70
PK 0810-391K	390	10%	1.121	0.60
PK 0810-471K	470	10%	1.352	0.50
PK 0810-561K	560	10%	1.528	0.40
PK 0810-681K	680	10%	1.710	0.30
PK 0810-821K	820	10%	2.551	0.20
PK 0810-102K	1000	10%	2.862	0.15

PK 0912

BW Part Number	Inductance (μ H)	Percent Tolerance	RDC (Ω) max	Rated Current (A)
PK 0912-100K	10	10%	0.032	5.00
PK 0912-120K	12	10%	0.038	4.00
PK 0912-150K	15	10%	0.047	3.70
PK 0912-180K	18	10%	0.049	3.30
PK 0912-220K	22	10%	0.070	3.00
PK 0912-270K	27	10%	0.088	2.85
PK 0912-330K	33	10%	0.092	2.65
PK 0912-390K	39	10%	0.110	2.50
PK 0912-470K	47	10%	0.128	2.00
PK 0912-560K	56	10%	0.142	1.90
PK 0912-680K	68	10%	0.171	1.80
PK 0912-820K	82	10%	0.176	1.70
PK 0912-101K	100	10%	0.207	1.60
PK 0912-121K	120	10%	0.250	1.57
PK 0912-151K	150	10%	0.311	1.53
PK 0912-181K	180	10%	0.365	1.50
PK 0912-221K	220	10%	0.412	1.40
PK 0912-271K	270	10%	0.513	1.30
PK 0912-331K	330	10%	0.625	1.20
PK 0912-391K	390	10%	0.850	1.00
PK 0912-471K	470	10%	0.967	0.80
PK 0912-561K	560	10%	1.127	0.78
PK 0912-681K	680	10%	1.242	0.75
PK 0912-821K	820	10%	1.449	0.73
PK 0912-102K	1000	10%	2.209	0.7

Power Inductor

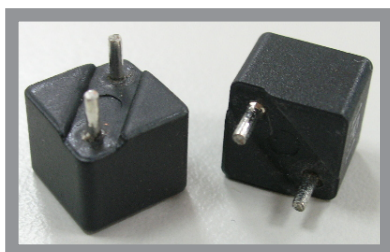
DIP /Molding Type



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.

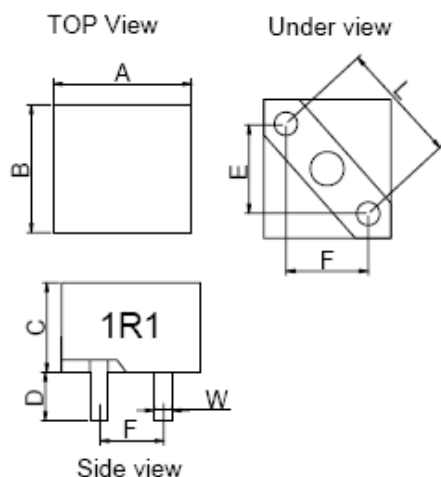


APPLICATIONS

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

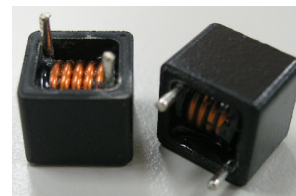
BW Part Number	Inductance (μ H)	Percent Tolerance	DCR	Irms (A)	Isat (A)
			m Ω $\pm$ 10%		
BDMI119E-R30MC	0.3	$\pm$ 20%	0.56	36	60
BDMI119E-R47MC	0.47	$\pm$ 20%	0.56	34	55
BDMI119E-R68MC	0.68	$\pm$ 20%	0.75	32	50
BDMI119E-1R2MC	1.2	$\pm$ 20%	1.85	25	40

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

Power Inductor

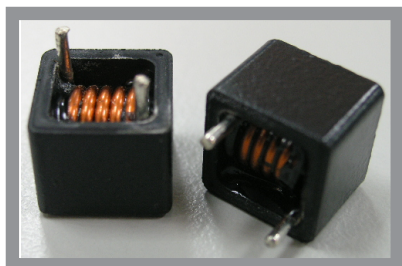
DIP / Assembly Type



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.

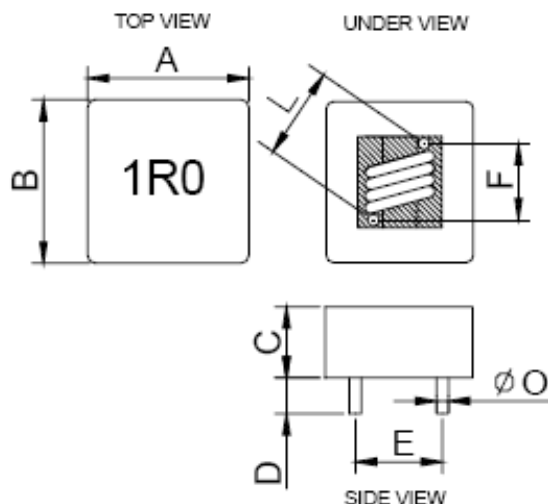


APPLICATIONS

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

