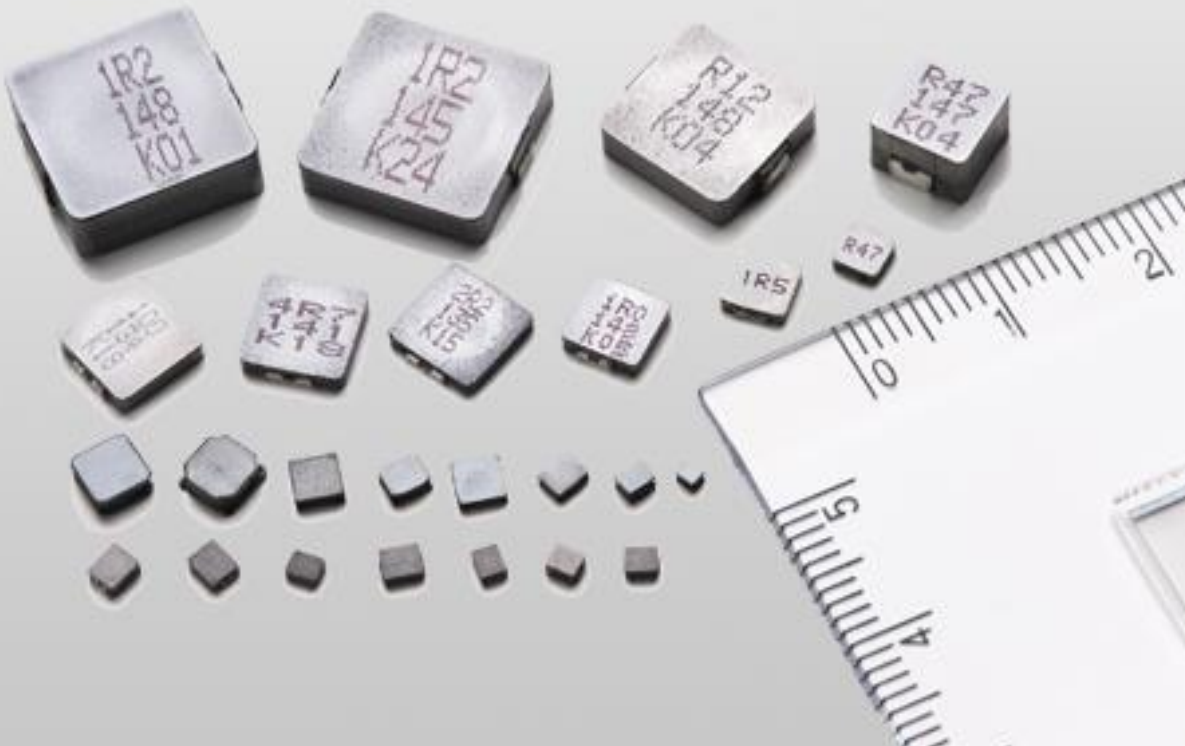
POWER CHOKE

PRODUCT CATALOGUE



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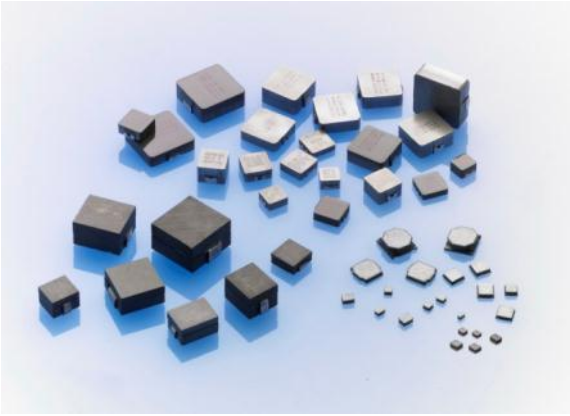
INTRODUCTION

Cyntec developed three types of power choke, sealed, molded, and assembly type that can deliver space-saving and high efficiency products to our customer. In Cyntec Power choke is a representation product, the capacity is over 150 million in one month and widely used in computer, smartphone, LED Lighting, and Automotives.

Cyntec's provided different features depend on processing type. Sealed power choke characterized with low applied current, low profile, and low DCR. It's miniaturization size down to 1.25mmx1.0mmx1.0mm that helped to save space. Molding power choke provides customers with low profile product which decrease thickness to 1.2mm. Otherwise, it featured high saturated current, low eddy current, high power density, and low DCR. Assembly power choke featured low eddy current, high applied current, high power density, and low DCR.



PART NUMBERING

①	②	③	-	④	⑤	⑥
PSD	2016	1T	-	R47	M	S

① Series No

② SIZE (L*W) : 2016=2.0mm*1.6mm

CODE	2016	2520	03	04	05
Dimension	2.0*1.6	2.5*2.0	3.0*3.0	4.0*4.0	5.0*5.0
CODE	**06**	**07**	**10**	**13**	**17**
Dimension	6.0*6.0	7.0*7.0	10.0*10.0	13*13	17*17

③ SIZE (T) : 1T=1.0mm ; 2B=2.2mm

CODE	T	B	D	E	H
Dimension	0.0	0.2	0.4	0.5	0.8

④ Inductance value:

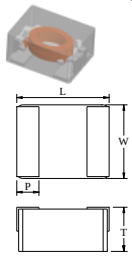
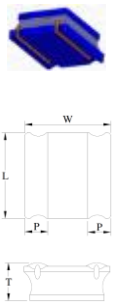
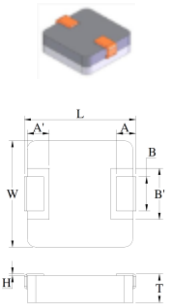
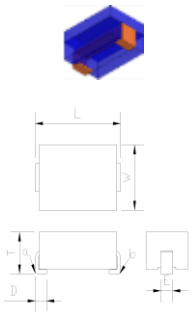
3 Types:

TYPE	1		2		3		4		5
CODE	R47	R50	1R0	2R2	100	220	101	201	102
Inductance value	0.47	0.50	1.0	2.2	10.0	22.0	100.0	200.0	1000.0

⑤ Tolerance: M=± 20%

⑥ Materials Type

SPECIFICATION NOTE

TYPE	SPECIFICATION NOTE
High Performance type 	** ：Inductance Tolerance ± 20% **Note 1.**: All test data is referenced to 25℃ ambient. **Note 2.:** Test Condition:1MHz, 1.0Vrms **Note 3.:** Idc : DC current (A) that will cause an approximate ΔT of 40℃ **Note 4:** Isat : DC current (A) that will cause Lo to drop approximately 30% **Note 5.:** Operating Temperature Range -55℃ to + 125℃ **Note 6.:** The part temperature (ambient + temp rise) should not exceed 125℃ under worse case operating conditions. Circuit design , component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application. **Note 7.:** The rated current as listed is either the saturation current or the heating current depending on which value is lower.
Sealed type 	**: Inductance Tolerance ± 20% **Note 1:** All test data is referenced to 25℃ ambient. **Note 2:** Idc : DC current (A) that will cause an approximate ΔT of 40℃ **Note 3:** Isat : DC current (A) that will cause Lo to drop approximately 30% **Note 4:** Operating Temperature Range -55℃ to + 125℃ **Note 5:** The part temperature (ambient + temp rise) should not exceed 125℃ under worse case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application. **Note 6:** The rated current as listed is either the saturation current or the heating current depending on which value is lower.
Molded type 	
Assembly type 	**: Inductance Tolerance ± 20% **Note 1:** The rated current as listed is either the saturation current or the heating current depending on which value is lower. **Note 2:** The nominal DCR tolerance is by design. The nominal DCR is measured from point *a* to point *b*, as shown below on the mechanical drawing. **Note 3:** The saturation current is the typical current which causes the inductance to drop by 20% at the stated ambient temperature(25℃). This current is determined by placing the component in the specified ambient environment and applying a short duration pulse current (to eliminate self-heating effects) to the component. **Note 4:** The heating current is the DC current which causes the part temperature to increase by approximately 40℃. This current is determined by soldering the component on a typical application PCB, and then applying the current to the device for 30 minutes without any forced air cooling. **Note 5:** In high volt*time applications, additional heating in the component can occur due to core losses in the inductor which may necessitate decreasing the current in order to limit the temperature rise of the component. To determine the approximate total losses (or temperature rise) for a given application, the core loss and temperature rise curves can be used. **Note 6:** Cyntec complies to industry standard tape and reel specification EIA481.

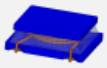
SERIES PRODUCT SPECIFICATION

1210 SERIES 1608 SERIES 2012 SERIES 2016 SERIES 2520 SERIES 3*3 SERIES 4*4 SERIES 5*5 SERIES 6*6 SERIES 7*7 SERIES
8*8 SERIES 9*9 SERIES 10*10 SERIES 11*11 SERIES 12*12 SERIES 13*13 SERIES 14*14 SERIES 17*17 SERIES

1210 SERIES

SDEB12101T **SDEK12101B**

SDEB12101T (1.25*1.0*1.0 mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
SDEB12101T-R22MSD	0.22	50	60	1.90	1.71	2.40	2.16
SDEB12101T-R33MSD	0.33	66	5.94	1.70	1.53	2.10	1.90
SDEB12101T-R47MSD	0.47	80	96	1.55	1.40	1.55	1.40
SDEB12101T-R50MSD	0.5	84	101	1.50	1.35	1.50	1.35
SDEB12101T-1R0MSD	1.0	167	201	1.05	0.95	1.15	1.04
SDEB12101T-1R5MSD	1.5	230	276	0.90	0.81	0.82	0.74
SDEB12101T-2R2MSD	2.2	281	338	0.71	0.64	0.68	0.61
SDEB12101T-3R3MSD	3.3	430	516	0.58	0.52	0.52	0.47
SDEB12101T-4R7MSD	4.7	623	748	0.48	0.43	0.46	0.41
SDEB12101T-100MSD	10.0	1,250	1,500	0.36	0.32	0.35	0.32

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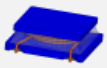
SDEK12101T (1.25*1.0*1.0 mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
SDEK12101T-2R2MS	2.2	316	379	0.70	0.63	0.80	0.72

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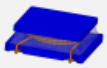
1608 SERIES

SDEK16081T

SDEK16081T (1.6*0.8*1.0 mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
SDEK16081T-R22MS	0.22	51	62	2.50	2.25	3.0	2.7
SDEK16081T-R47MS	0.47	93	112	1.40	1.25	1.90	1.75
SDEK16081T-R68MS	0.68	152	183	1.25	1.10	1.50	1.35
SDEK16081T-1R0MS	1.0	250	300	1.0	0.9	1.40	1.26
SDEK16081T-1R5MS	1.5	370	445	0.90	0.80	0.95	0.85
SDEK16081T-1R8MS	1.8	425	510	0.87	0.78	0.80	0.81
SDEK16081T-2R2MS	2.2	497	597	0.85	0.76	0.76	0.68

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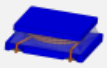
2012 SERIES

SDEK20121T SDER20121T

SDEK20121T (2.0*1.2*1.0 mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
SDEK20121T-R47MS	0.47	58	65	2.2	2.0	3.1	2.8
SDEK20121T-1R0MS	1.0	140	170	1.50	1.35	2.25	2.05
SDEK20121T-2R2MS	2.2	345	415	0.80	0.72	1.40	1.30
SDEK20121T-4R7MS	4.7	545	654	0.70	0.63	0.80	0.72

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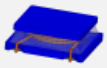
SDER20121T (2.0*1.2*1.0 mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
SDER20121T-R68MS	0.68	54	65	2.0	1.8	1.7	1.5
SDER20121T-1R0MS	1.0	95	114	1.50	1.35	1.45	1.30
SDER20121T-2R2MS	2.2	180	216	1.30	1.17	0.9	0.8
SDER20121T-100MS	10	817	980	0.48	0.43	0.38	0.34

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2016 SERIES

HMME20161T HMME20161B SDEM20161T SDED20161T SDER20161T

HMME20161T (2.0*1.6*1.0 mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HMLE20161T-R22MDR	0.22	15	19	5.20	4.68	6.10	5.50
HMLE20161T-R24MDR	0.24	16	20.5	4.70	4.20	6.00	5.40
HMLE20161T-R47MDR	0.47	31	39	3.80	3.30	4.40	3.85
HMLE20161T-1R0MDR	1.0	49	65	3.10	2.80	3.50	3.10
HMLE20161T-1R5MDR	1.5	116	140	1.90	1.65	2.50	2.20
HMLE20161T-2R2MDR	2.2	132	158	2.00	1.80	2.10	1.80

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HMME20161B (2.0*1.6*1.2 mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HMLE20161B-R22MDR	0.22	13	16	5.30	4.77	5.80	5.20
HMLE20161B-R24MDR	0.24	16	20	4.70	4.20	5.40	4.90
HMLE20161B-R47MDR	0.47	29	35	4.20	3.80	4.40	3.60
HMLE20161B-1R0MDR	1.0	48	58	2.70	2.35	3.34	3.00
HMLE20161B-1R5MDR	1.5	89	104	2.20	2.00	2.60	2.20
HMLE20161B-2R2MDR	2.2	133	155	1.80	1.60	1.90	1.65

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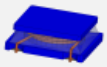
SDEM20161T (2.0*1.6*1.0 mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
SDEM20161T-R24MS	0.24	20	24	5.0	4.50	6.1	5.50
SDEM20161T-R33MS	0.33	27	32	4.00	3.60	4.4	4.00
SDEM20161T-R47MS	0.47	34	41	3.4	3.00	4.3	3.90
SDEM20161T-R68MS	0.68	46	55	3.2	2.80	3.7	3.30
SDEM20161T-1R0MS	1.0	60	72	2.7	2.40	3.0	2.70
SDEM20161T-1R5MS	1.5	100	120	2.4	2.16	2.7	2.43
SDEM20161T-2R2MS	2.2	134	159	1.8	1.60	1.9	1.70
SDEM20161T-3R3MS	3.3	255	306	1.2	1.08	1.5	1.35
SDEM20161T-4R7MS	4.7	355	426	1.1	1.00	1.4	1.26

SDEM20161T-6R8MS	6.8	532	639	0.80	0.72	1.15	1.05
SDEM20161T-100MS	10.0	840	1,010	0.7	0.63	0.8	0.72

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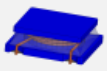
SDED20161T (2.0*1.6*1.0 mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDED20161T-R24MS	0.24	26.5	34.5	4.00	3.60	3.83	3.42
SDED20161T-R47MS	0.47	49	59	2.60	2.34	3.00	2.70
SDED20161T-R68MS	0.68	67	81	2.30	2.05	2.30	2.05
SDED20161T-1R0MS	1.0	87	107	1.70	1.50	2.00	1.80
SDED20161T-1R5MS	1.5	137	164	1.60	1.44	1.65	1.50
SDED20161T-2R2MS	2.2	192	230	1.35	1.22	1.45	1.31
SDED20161T-3R3MS	3.3	243	292	1.05	0.95	1.05	0.95
SDED20161T-4R7MS	4.7	322	387	0.95	0.85	0.85	0.76
SDED20161T-6R8MS	6.8	610	732	0.62	0.56	0.80	0.72
SDED20161T-100MS	10.0	932	1,119	0.47	0.42	0.62	0.55
SDED20161T-150MS	15.0	1,580	1,895	0.42	0.38	0.50	0.45
SDED20161T-220MS	22.0	2,365	2,838	0.37	0.33	0.45	0.40
SDED20161T-330MS	33.0	2,780	3,336	0.27	0.24	0.30	0.27
SDED20161T-470MS	47.0	2,875	3,450	0.20	0.18	0.20	0.18

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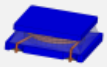
SDER20161T (2.0*1.6*1.0 mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDER20161T-R68MS	0.68	35	42	2.8	2.5	1.75	1.55
SDER20161T-1R0MS	1.0	50	60	2.4	2.1	1.45	1.30
SDER20161T-2R2MS	2.2	88	106	1.8	1.6	0.9	0.8

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2520 SERIES

HMLB25201T HMLB25201B SDEM25201T SDEM25201B SDET25200H SDET25201T SDET25201B

HMLB25201T (2.5*2.0*1.0 mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
HMLB25201T-R22MSR	0.22	9.4	11.5	5.9	5.3	7.0	6.3
HMLB25201T-R24MSR	0.24	12	15	5.1	4.6	6.2	5.5
HMLB25201T-R47MSR	0.47	26	32	3.95	3.55	4.6	4.15
HMLB25201T-1R0MSR	1.0	45	55	3.4	3.0	3.7	3.35
HMLB25201T-1R5MSR	1.5	72	86	2.45	2.25	3.1	2.75
HMLB25201T-2R2MSR	2.2	94	112	1.9	1.7	2.6	2.35

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HMLB25201B (2.5*2.0*1.2 mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
HMLB25201B-R22MSR	0.22	8.4	10.5	7.4	6.6	7.1	6.5
HMLB25201B-R24MSR	0.24	11	13	6.4	5.7	6.6	6.0
HMLB25201B-R33MSR	0.33	14	17	5.6	5.0	6.1	5.5
HMLB25201B-R47MSR	0.47	21	26	4.5	4.0	5.05	4.55
HMLB25201B-R68MSR	0.68	28	34	3.8	3.42	4.1	3.7
HMLB25201B-1R0MSR	1.0	40	48	3.1	2.7	3.9	3.5
HMLB25201B-1R5MSR	1.5	57	69	2.7	2.43	3.1	2.8
HMLB25201B-2R2MSR	2.2	79	95	2.3	2.0	2.6	2.3

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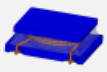
SDEM25201T (2.5*2.0*1.0mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDEM25201T-R24MS	0.24	19	23	4.60	4.30	7.00	6.30
SDEM25201T-R33MS	0.33	24	29	4.50	4.20	6.50	5.85
SDEM25201T-R47MS	0.47	29	35	4.00	3.60	5.50	5.00
SDEM25201T-R68MS	0.68	39	47	3.55	3.20	4.20	3.78
SDEM25201T-1R0MS	1.0	52	62	3.30	3.00	4.00	3.60
SDEM25201T-1R5MS	1.5	84	100	2.50	2.20	3.10	2.80
SDEM25201T-2R2MS	2.2	95	115	2.15	1.97	2.60	2.30

SDEM25201T-3R3MS	3.3	180	216	1.70	1.53	1.80	1.62
SDEM25201T-4R7MS	4.7	215	258	1.60	1.45	1.70	1.53
SDEM25201T-6R8MS	6.8	350	420	1.10	1.00	1.35	1.22
SDEM25201T-100MS	10.0	574	689	0.95	0.85	1.20	1.10
SDEM25201T-220MS	22.0	1,000	1,200	0.50	0.45	0.66	0.60

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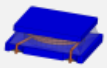
SDEM25201B (2.5*2.0*1.2mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
SDEM25201B-R33MS	0.33	23	28	4.60	4.30	7.00	6.30
SDEM25201B-R47MS	0.47	26.0	32.0	4.20	3.75	5.50	5.00
SDEM25201B-R68MS	0.68	32.0	39.0	3.75	3.45	4.25	3.85
SDEM25201B-1R0MS	1.0	43.0	52.5	3.70	3.35	4.20	3.80
SDEM25201B-1R5MS	1.5	60.0	72.0	2.80	2.40	3.50	2.90
SDEM25201B-2R2MS	2.2	98.0	117.0	2.05	1.85	2.71	2.30
SDEM25201B-3R3MS	3.3	156.0	188.0	1.65	1.45	2.20	2.00
SDEM25201B-4R7MS	4.7	200.0	240.0	1.60	1.45	1.90	1.65
SDEM25201B-100MS	10.0	390.0	450.0	1.00	0.90	1.30	1.00
SDEM25201B-150MS	15.0	640.0	768.0	0.70	0.63	0.90	0.80
SDEM25201B-220MS	22.0	1000.0	1200.0	0.58	0.52	0.76	0.68

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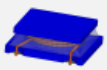
SDET25200H (2.5*2.0*0.8mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
SDET25200H-R47MS	0.47	49	59	2.80	2.52	2.20	1.98
SDET25200H-1R0MS	1.0	119	143	1.70	1.53	1.75	1.57
SDET25200H-2R2MS	2.2	165	199	1.36	1.22	1.14	1.02
SDET25200H-4R7MS	4.7	332	399	0.9	0.8	0.9	0.8
SDET25200H-6R8MS	6.8	560	669	0.75	0.65	0.65	0.55
SDET25200H-100MS	10.0	850	1,020	0.60	0.54	0.55	0.50

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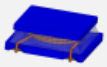
SDET25201T (2.5*2.0*1.0mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
SDET25201T-R24MS	0.24	29	35	3.60	3.24	4.60	4.14
SDET25201T-R47MS	0.47	35	43	2.7	2.43	2.9	2.61
SDET25201T-1R0MS	1.0	67	81	1.98	1.78	2.10	1.89
SDET25201T-1R5MS	1.5	95	114	1.70	1.53	1.80	1.62
SDET25201T-2R2MS	2.2	135	162	1.50	1.35	1.55	1.39
SDET25201T-4R7MS	4.7	269	323	1.08	0.97	1.20	1.08
SDET25201T-100MS	10.0	507	609	0.80	0.72	0.73	0.65

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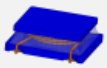
SDET25201B (2.5*2.0*1.2mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
SDET25201B-R47MS	0.47	24	28.5	3.7	3.35	3.9	3.5
SDET25201B-1R0MS	1.0	37	43	2.65	2.40	2.75	2.50
SDET25201B-1R5MS	1.5	63	72	2.30	2.07	2.35	2.12
SDET25201B-2R2MS	2.2	80	90	1.90	1.70	2.15	1.95
SDET25201B-4R7MS	4.7	185	210	1.25	1.13	1.50	1.40
SDET25201B-100MS	10.0	359	409	0.80	0.72	0.85	0.79

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3*3 SERIES

HMME32251T HMME32251B SDET32251B SDET32251E SDER031T SDER031B

HMLE32251T (3.2*2.5*1.0 mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HMLE32251T-R33MS	0.33	15	18	5.60	5.00	6.70	6.00
HMLE32251T-R47MS	0.47	20	25	4.30	3.90	6.40	5.70
HMLE32251T-1R0MS	1.0	41	49	3.90	3.50	4.80	4.30
HMLE32251T-1R5MS	1.5	66	80	2.60	2.30	4.10	3.60
HMLE32251T-2R2MS	2.2	100	120	2.10	1.90	3.20	2.70

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HMLE32251B (3.2*2.5*1.2 mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HMLE32251B-R33MS	0.33	10	13	6.8	6.1	7.3	6.70
HMLE32251B-R47MS	0.47	18	23	4.7	4.2	7.1	6.60
HMLE32251B-1R0MS	1.0	34	41	3.9	3.5	4.8	4.30
HMLE32251B-1R5MS	1.5	56	67	3.1	2.8	3.7	3.33
HMLE32251B-2R2MS	2.2	75	90	2.5	2.3	3.4	3.10

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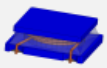
SDET32251B (3.2*2.5*1.2 mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
SDET32251B-1R0MS	1	51	62	2.6	2.34	3.5	3.1
SDET32251B-2R2MS	2.2	125	150	1.8	1.62	2.4	2.16
SDET32251B-3R3MS	3.3	205	246	1.30	1.17	1.70	1.53
SDET32251B-4R7MS	4.7	227	273	1.10	0.99	1.50	1.35
SDET32251B-100MS	10.0	410	488	0.80	0.72	1.10	1.00

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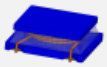
SDET32251E (3.2*2.5*1.5 mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDET32251E-4R7MS	4.7	90	108	1.90	1.70	1.30	1.17

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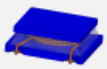
SDER031T (3.0*3.0*1.0 mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDER031T-1R0MS	1.0	67	81	2.60	2.34	2.90	2.60
SDER031T-2R2MS	2.2	89	107	1.70	1.53	1.60	1.44
SDER031T-4R7MS	4.7	166	199	1.30	1.17	1.0	0.9
SDER031T-6R8MS	6.8	249	299	1.05	0.95	0.85	0.75
SDER031T-100MS	10.0	365	438	0.85	0.77	0.75	0.68
SDER031T-150MS	15.0	672	807	0.72	0.64	0.58	0.52
SDER031T-220MS	22.0	708	850	0.60	0.55	0.47	0.43

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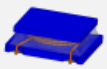
SDER031B (2.9*2.9*1.2mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDER031B-1R5MS	1.5	60	72	2.20	1.98	3.10	2.60
SDER031B-2R2MS	2.2	84	101	2.25	2.00	2.90	2.40
SDER031B-3R3MS	3.3	134	161	1.71	1.53	1.92	1.72
SDER031B-4R7MS	4.7	184	221	1.43	1.08	1.71	1.53
SDER031B-6R8MS	6.8	256	307	1.25	1.13	1.49	1.24
SDER031B-100MS	10.0	397	476	1.00	0.90	1.26	1.05
SDER031B-150MS	15.0	572	686	0.80	0.72	1.10	0.83
SDER031B-220MS	22.0	854	1,025	0.60	0.54	0.86	0.72
SDER031B-330MS	33.0	1,587	1,904	0.40	0.36	0.48	0.43
SDER031B-470MS	47.0	2,246	2,695	0.36	0.32	0.37	0.33

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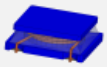
4*4 SERIES

SDER041T SDER041B SDER041H SDER043T CMLB041B CMLE041B CMLS041B HCB44

SDER041T (4.0*4.0*1.0mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDER041T-4R7MS	4.7	130	156	1.40	1.26	1.25	1.1
SDER041T-6R8MS	6.8	196	235	1.30	1.17	1.20	1.08
SDER041T-100MS	10.0	291	350	1.10	0.99	1.0	0.9

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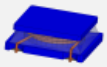
SDER041B (4.0*4.0*1.2mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDER041B-R47MS	0.47	30	37	3.90	3.50	4.00	3.60
SDER041B-2R2MS	2.2	69	83	2.70	2.43	2.00	1.80
SDER041B-4R7MS	4.7	109	131	1.90	1.71	1.45	1.30
SDER041B-6R8MS	6.8	130	156	1.70	1.53	1.20	1.08
SDER041B-100MS	10.0	190	228	1.45	1.30	1.1	1.0
SDER041B-150MS	15.0	339	407	1.05	0.95	0.80	0.72
SDER041B-220MS	22.0	410	492	0.95	0.86	0.70	0.63

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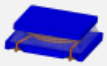
SDER041H (4.0*4.0*1.8mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDER041H-2R2MS	2.2	35	45	3.10	2.80	3.10	2.80
SDER041H-3R3MS	3.3	45	56	2.75	2.50	2.45	2.20
SDER041H-4R7MS	4.7	69	89	2.30	2.07	2.05	1.85
SDER041H-6R8MS	6.8	90	115	2.10	1.90	1.75	1.60
SDER041H-8R2MS	8.2	105	132	1.50	1.35	1.60	1.44
SDER041H-100MS	10.0	134	169	1.50	1.35	1.55	1.40
SDER041H-150MS	15.0	185	222	1.45	1.30	1.10	1.00
SDER041H-220MS	22.0	250	315	1.20	1.08	0.95	0.85
SDER041H-330MS	33.0	405	486	0.90	0.81	0.70	0.63

SDER041H-470MS	47.0	495	594	0.80	0.72	0.58	0.52

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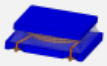
SDER043T (4.0*4.0*3.0mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDER043T-2R2MS	2.2	28	36.4	3.70	3.30	3.70	3.30
SDER043T-3R3MS	3.3	39.5	48	3.40	3.05	3.50	3.15
SDER043T-4R7MS	4.7	70	85	2.20	2.00	2.90	2.60
SDER043T-100MS	10.0	168	202	1.35	1.21	1.70	1.53
SDER043T-220MS	22.0	225	282	1.10	1.00	1.30	1.15
SDER043T-121MS	120.0	1,000	1,250	0.62	0.55	0.64	0.57

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CMLB041B (4.45*4.75*1.2mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMLB041B-R47MS	0.47	17.5	19.6	6.4	5.7	7.4	6.7
CMLB041B-R68MS	0.68	31.0	36.0	5.5	5.0	7.3	6.5
CMLB041B-1R0MS	1.0	42.0	46.5	5.0	4.3	5.5	5.0
CMLB041B-1R5MS	1.5	61.0	75.0	3.3	3.0	4.6	4.0
CMLB041B-2R2MS	2.2	75.4	83.0	3.3	2.8	3.8	3.4
CMLB041B-4R7MS	4.7	171.0	193.0	2.0	1.8	2.8	2.2
CMLB041B-6R8MS	6.8	320.0	368.0	1.7	1.5	2.2	1.9
CMLB041B-8R2MS	8.2	420.0	480.0	1.5	1.3	1.9	1.6

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CMLE041B (4.75*4.45*1.2mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMLE041B-R22MS	0.22	7.2	8.0	13.0	12.0	15.5	13.0
CMLE041B-R33MS	0.33	10.8	12.0	12.0	11.0	13.5	12.0
CMLE041B-R47MS	0.47	16.0	18.4	9.5	8.5	10.6	9.2
CMLE041B-R56MS	0.56	18.0	21.0	7.0	6.0	9.1	7.8
CMLE041B-1R0MS	1.0	29.0	34.5	5.5	4.7	7.0	6.0

CMLE041B-1R5MS	1.5	49.0	56.0	5.0	4.5	5.8	5.0
CMLE041B-2R2MS	2.2	74.0	82.0	3.7	3.3	4.4	3.8
CMLE041B-3R3MS	3.3	100.0	114.0	3.1	2.8	4.1	3.5
CMLE041B-4R7MS	4.7	124.0	145.0	2.4	2.1	3.2	2.8
CMLE041B-6R8MS	6.8	300.0	355.0	1.7	1.5	2.7	2.3

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CMLS041B (4.45*4.75*1.8mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMLS041B-R10MS	0.10	5.2	6.0	15.0	13.0	24.0	21.0
CMLS041B-R22MS	0.22	10.6	12.0	10.0	8.5	20.0	17.0
CMLS041B-R47MS	0.47	20.0	22.0	6.5	5.5	13.0	11.0
CMLS041B-1R0MS	1.0	46.0	52.0	4.6	4.1	8.5	7.0
CMLS041B-2R2MS	2.2	89.0	103.0	3.0	2.8	5.6	4.7

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HCB44 (4.0*4.0*4.0mm)

Part Number	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
HCB44-500	50	0.32 ± 25%		19		32	
HCB44-500A	50	0.32 ± 10%		19		32	
HCB44-650	65	0.32 ± 25%		19		24	
HCB44-650A	65	0.32 ± 10%		19		24	
HCB44L-650	65	0.29 ± 0.02		20.5		24	

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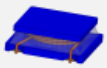
5*5 SERIES

SDES052T SDES053T SDEI054T CMLB051B CMLS051B CMLE051E CMLB051H CMLE053T CMLB053T

SDES052T (4.9*4.9*2.0mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDES052T-1R0MS	1.0	17	21	4.8	4.32	6.3	5.7
SDES052T-1R5MS	1.5	23.0	27.5	4.2	3.8	5.0	4.5
SDES052T-2R2MS	2.2	26.0	32.0	4.0	3.6	4.2	3.8
SDES052T-3R3MS	3.3	42.0	51.0	2.7	2.4	3.3	3.0
SDES052T-4R7MS	4.7	52.0	63.0	2.7	2.4	3.1	2.8
SDES052T-6R8MS	6.8	74.0	88.0	2.30	2.05	2.60	2.35
SDES052T-100MS	10.0	114.0	137.0	1.8	1.62	1.65	1.50
SDES052T-1R0MS	1.0	17	21	4.8	4.32	6.3	5.7
SDES052T-1R5MS	1.5	23.0	27.5	4.2	3.8	5.0	4.5

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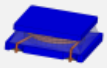
SDES053T (4.9*4.9*3.0mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDES053T-1R0MS	1.0	15	18	7.65	6.9	8.45	7.6
SDES053T-1R2MS	1.2	17	20	6.30	5.67	7.50	6.75
SDES053T-1R5MS	1.5	20	25	6.25	5.63	6.95	6.20
SDES053T-2R2MS	2.2	23	28	6.00	5.40	5.80	5.22
SDES053T-3R3MS	3.3	28	34	5.50	4.90	5.00	4.50
SDES053T-4R7MS	4.7	41	50	4.80	4.30	4.00	3.60
SDES053T-6R8MS	6.8	58	70	3.70	3.30	3.50	3.15
SDES053T-8R2MS	8.2	72	87	3.20	2.88	3.10	2.80
SDES053T-100MS	10.0	85	102	3.05	2.75	2.70	2.40
SDES053T-220MS	22.0	180	220	1.80	1.60	1.80	1.60
SDES053T-330MS	33.0	255	307	1.50	1.35	1.60	1.44
SDES053T-470MS	47.0	334	401	1.20	1.08	1.20	1.08
SDES053T-560MS	56.0	444	532.8	0.90	0.80	1.15	1.04
SDES053T-680MS	68.0	529	634.8	0.85	0.77	1.10	1.00

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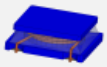
SDEI054T (4.9*4.9*4.0mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDEI054T-4R7MS	4.7	27.0	34.0	3.60	3.24	5.00	4.50
SDEI054T-6R8MS	6.8	41.0	50.0	3.15	2.84	4.55	4.10
SDEI054T-100MS	10.0	53.0	63.0	3.10	2.80	3.60	3.20
SDEI054T-120MS	12.0	69.0	83.0	2.70	2.43	3.30	3.00
SDEI054T-150MS	15.0	79.0	99.0	2.30	2.00	2.80	2.45
SDEI054T-220MS	22.0	119.0	149.0	2.10	1.90	2.40	2.10
SDEI054T-330MS	33.0	169.0	211.0	1.50	1.30	1.95	1.75
SDEI054T-470MS	47.0	235.0	294.0	1.35	1.20	1.60	1.44
SDEI054T-101MS	100.0	470.0	589.0	0.90	0.80	1.00	0.90

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CMLB051B (5.4*5.75*1.2mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMLB051B-1R0MS	1.0	32.0	36.5	5.5	5.1	8.7	7.4
CMLB051B-2R2MS	2.2	66.0	76.0	3.6	3.0	4.5	3.8
CMLB051B-3R3MS	3.3	84.0	96.0	3.1	2.8	3.8	3.4
CMLB051B-6R8MS	6.8	220.0	245.0	2.0	1.85	2.4	2.2

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CMLS051B (5.4*5.75*1.2mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMLS051B-R47MS	0.47	17.5	19.0	6.6	5.9	20.0	17.0
CMLS051B-3R3MS	3.3	98.0	112.0	2.8	2.5	5.8	5.0
CMLS051B-4R7MS	4.7	150.0	165.0	2.3	2.0	5.4	4.6

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CMLE051E (5.4*5.75*1.5mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
CMLE051E-1R0MS	1.0	19.0	23.0	6.5	5.8	9.5	8.1
CMLE051E-1R2MS	1.2	29.0	33.7	5.3	4.7	8.0	6.5
CMLE051E-2R2MS	2.2	45.0	52.0	5.0	4.0	7.0	6.0
CMLE051E-4R7MS	4.7	88.0	100.0	3.1	2.7	4.2	3.7
CMLE051E-100MS	10.0	152.0	170.0	2.1	1.9	3.1	2.7

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CMLB051H (5.4*5.75*1.8mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
CMLB051H-R47MS	0.47	7.6	8.5	11.0	10.0	16.0	15.5
CMLB051H-R68MS	0.68	12.0	13.8	9.0	8.0	13.0	11.2
CMLB051H-1R0MS	1.0	15.0	18.0	8.5	7.5	10.0	8.6
CMLB051H-1R5MS	1.5	23.0	28.0	6.2	5.5	9.0	7.2
CMLB051H-2R2MS	2.2	30.0	35.0	5.2	4.7	7.0	6.0
CMLB051H-3R3MS	3.3	45.0	52.0	4.7	4.5	5.5	4.8
CMLB051H-4R7MS	4.7	70.0	81.0	3.5	3.2	4.5	3.9
CMLB051H-6R8MS	6.8	103.0	125.0	2.9	2.6	3.6	3.4
CMLB051H-100MS	10.0	139.0	154.0	2.5	2.3	3.3	2.8

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CMLE053T (4.9*5.2*3.0mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
CMLE053T-R68MS	0.68	7.0	8.5	18.0	16.0	12.5	10.5
CMLE053T-1R0MS	1.0	8.4	9.4	16.5	14.5	11.0	9.0
CMLE053T-2R2MS	2.2	21.0	24.0	8.8	7.8	8.2	7.0
CMLE053T-3R3MS	3.3	29.7	36.0	8.2	7.2	7.3	6.6
CMLE053T-4R7MS	4.7	48.0	54.0	5.6	5.1	5.7	5.1
CMLE053T-6R8MS	6.8	72.0	84.0	3.7	3.1	4.2	3.6

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CMLB053T (4.9*5.2*3.0mm)

 Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMLB053T-R22MS	0.22	3.5	3.9	23.0	21.0	20.0	17.0
CMLB053T-R35MS	0.35	5.4	6.3	21.0	19.0	15.0	13.0
CMLB053T-R68MS	0.68	8.0	9.2	17.0	15.0	11.5	10.0
CMLB053T-1R0MS	1.0	10.5	12.0	15.0	13.0	10.0	8.5
CMLB053T-2R2MS	2.2	25.0	29.0	8.5	7.5	8.0	6.5
CMLB053T-3R3MS	3.3	34.0	38.0	8.0	7.0	6.0	5.0
CMLB053T-4R7MS	4.7	52.0	60.0	5.5	5.0	4.0	3.5
CMLB053T-6R8MS	6.8	100.0	115.0	3.5	3.0	3.7	3.2

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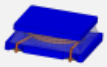
6*6 SERIES

SDES064T SDES064E CMLE061E CMLE063T CMLB063T CMLS063T CMLE064T

SDES64T (6.0*6.0*4.0mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDES064T-6R8MS	6.8	31.0	39.0	4.20	3.60	4.10	3.70
SDES064T-100MS	10.0	39.0	49.0	3.40	3.10	3.40	3.10
SDES064T-150MS	15.0	69.0	87.0	2.50	2.30	2.60	2.34
SDES064T-220MS	22.0	95.0	120.0	2.20	2.00	2.20	2.00
SDES064T-330MS	33.0	136.0	171.0	2.00	1.80	1.70	1.50
SDES064T-470MS	47.0	193.0	232.0	1.60	1.45	1.40	1.20
SDES064T-101MS	100.0	420.0	530.0	1.05	0.95	1.00	0.95
SDES064T-121MS	120.0	480.0	540.0	0.90	0.81	0.92	0.82

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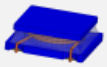
SDES64E (6.0*6.0*4.5mm)



Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
SDES064E-4R3MS	4.3	23.0	29.5	4.80	4.30	5.20	4.70
SDES064E-4R5MS	4.5	25.0	33.0	4.60	4.20	5.15	4.60
SDES064E-6R8MS	6.8	31.0	37.5	3.60	3.25	3.90	3.50
SDES064E-100MS	10.0	38.0	47.0	3.50	3.15	3.40	3.10
SDES064E-150MS	15.0	70.0	87.0	2.30	2.00	2.50	2.30
SDES064E-220MS	22.0	87.0	105.0	2.15	1.90	2.10	1.90
SDES064E-330MS	33.0	133.0	160.0	1.70	1.53	1.70	1.53
SDES064E-101MS	100.0	408.0	510.0	1.05	0.95	1.05	0.95

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CMLE061E (6.724*7.241*1.5mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMLE061E-R33MS	0.33	5.6	6.5	13.5	12.0	21.0	19.0
CMLE061E-R56MS	0.56	9.5	11.0	10.0	9.0	15.0	14.0
CMLE061E-R82MS	0.82	15.0	17.0	9.0	8.5	13.0	11.0

CMLE061E-1R0MS	1.0	18.5	21.0	8.2	7.6	12.0	10.0
CMLE061E-1R2MS	1.2	21.0	25.0	7.5	7.0	10.5	8.5
CMLE061E-1R5MS	1.5	25.0	28.0	7.2	6.7	8.5	7.7
CMLE061E-2R2MS	2.2	35.0	42.0	6.0	5.1	7.2	6.1
CMLE061E-3R3MS	3.3	54.0	63.0	3.8	3.3	6.0	5.2
CMLE061E-4R7MS	4.7	75.0	84.0	3.5	3.0	5.0	4.5
CMLE061E-6R8MS	6.8	125.0	135.0	3.0	2.5	4.5	4.0
CMLE061E-100MS	10.0	165.0	175.0	2.2	2.0	3.5	3.0

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CMLE063T (6.8*7.3*3.0mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMLE063T-R12MS0R657	0.12	0.65 ± 7%		40	37	48	42.5
CMLE063T-R15MS0R907	0.15	0.90 ± 7%		38	35	45	41
CMLE063T-R24MS1R197	0.24	1.19 ± 7%		35	31	38	32
CMLE063T-R22MS	0.22	1.15	1.3	37.0	32.0	35.0	32.0
CMLE063T-R36MS	0.36	2.3	2.55	25.0	23.0	29.0	25.0
CMLE063T-R47MS	0.47	2.9	3.3	23.0	20.0	23.0	20.0
CMLE063T-R68MS	0.68	4.6	5.2	16.5	15.5	18.5	17.0
CMLE063T-R82MS	0.82	4.7	5.4	16.0	14.5	18.0	15.6
CMLE063T-1R0MS	1.00	5.6	6.4	16.0	14.4	16.0	14.0
CMLE063T-1R5MS	1.50	7.7	8.9	12.0	11.0	14.8	12.7
CMLE063T-2R2MS	2.2	11.0	12.8	10.0	9.0	14.0	12.0
CMLE063T-3R3MS	3.3	18.5	21.0	8.0	7.0	11.0	10.0
CMLE063T-4R7MS	4.7	23.6	26.0	6.7	6.0	8.0	7.0
CMLE063T-6R8MS	6.8	41.0	48.0	5.5	5.0	7.0	6.1
CMLE063T-8R2MS	8.2	52.0	60.0	5.1	4.6	6.6	5.7
CMLE063T-100MS	10.0	59.0	66.0	4.2	3.8	6.2	5.5
CMLE063T-R22MS	0.22	1.15	1.3	37.0	32.0	35.0	32.0

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CMLB063T (6.8*7.3*3.0mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMLB063T-R10MS	0.10	0.81	0.99	40.0	35.0	60.2	48.0

CMLB063T-R15MS	0.15	1.8	2.4	30.0	25.0	41.0	35.0
CMLB063T-R20MS	0.20	2.2	3.0	26.0	22.0	38.0	33.0
CMLB063T-R22MS	0.22	2.3	3.0	25.0	21.0	35.0	32.0
CMLB063T-R33MS	0.33	2.7	3.3	22.0	20.0	26.0	22.0
CMLB063T-R36MS	0.36	3.2	3.8	20.0	18.0	24.5	22.0
CMLB063T-R47MS	0.47	3.48	4.1	18.0	16.0	21.0	17.8
CMLB063T-R56MS	0.56	3.88	4.5	16.5	15.0	20.0	16.0
CMLB063T-R68MS	0.68	4.75	5.3	16.0	14.5	19.0	15.0
CMLB063T-R82MS	0.82	5.38	6.0	14.0	13.0	17.0	14.0
CMLB063T-1R0MS	1.0	6.6	7.25	13.0	11.2	16.5	13.5
CMLB063T-1R2MS	1.2	7.7	8.6	11.7	10.1	14.5	12.5
CMLB063T-1R5MS	1.5	9.1	10.5	10.0	9.5	14.2	12.0
CMLB063T-2R2MS	2.2	13.4	15.0	8.5	8.0	12.5	10.5
CMLB063T-3R3MS	3.3	17.9	22.0	7.2	6.2	9.6	8.5
CMLB063T-4R7MS	4.7	27.9	33.0	6.0	5.5	6.55	5.5
CMLB063T-5R6MS	5.6	39.0	42.0	5.7	5.0	6.35	5.05
CMLB063T-6R8MS	6.8	42.0	48.0	4.7	4.2	6.3	5.0
CMLB063T-8R2MS	8.2	53.9	60.0	4.5	3.8	6.05	4.92
CMLB063T-100MS	10.0	60.0	68.0	4.0	3.5	5.6	4.9
CMLB063T-220MS	22.0	179.5	200.0	2.3	2.0	3.1	2.5
CMLB063T-330MS	33.0	274.0	284.0	2.1	1.8	2.3	2.0

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CMLS063T (6.8*7.3*3.0mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMLS063T-R10MS	0.10	0.8	1.0	33.0	28.0	70.0	60.0
CMLS063T-R20MS	0.20	2.4	2.7	26.0	23.0	48.0	42.0
CMLS063T-R22MS	0.22	2.4	2.7	26.0	23.0	46.0	41.0
CMLS063T-R33MS	0.33	3.3	3.8	23.0	20.0	38.0	32.0
CMLS063T-R47MS	0.47	3.81	4.1	18.0	16.5	30.0	26.0
CMLS063T-R68MS	0.68	4.7	5.4	16.0	14.0	26.0	21.0
CMLS063T-R82MS	0.82	6.4	7.5	14.0	13.0	24.0	20.0
CMLS063T-1R0MS	1.0	8.9	10.0	11.0	10.0	23.0	19.0
CMLS063T-1R5MS	1.5	13.0	15.0	9.0	8.0	21.0	18.5
CMLS063T-2R2MS	2.2	15.6	18.0	8.5	7.7	16.0	14.0

CMLS063T-3R3MS	3.3	26.0	29.0	7.5	6.5	14.0	12.0
CMLS063T-4R7MS	4.7	36.5	39.5	5.5	5.0	11.0	10.0
CMLS063T-6R8MS	6.8	53.5	60.0	4.5	4.0	8.5	7.5

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CMLE064T (6.8*7.4*5.0mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMLE064T-R15MS0R667	0.15	0.66 ± 7%		40.0	37.0	50.0	46.0
CMLE064T-R22MS0R987	0.22	0.98 ± 7%		35.0	32.0	35.5	28.5
CMLE064T-R24MS1R007	0.24	1.00 ± 7%		34.0	31.0	35.5	28.5
CMLE064T-R36MS1R407	0.36	1.40 ± 7%		30.0	25.0	26.0	23.0
CMLE064T-R42MS1R557	0.42	1.55± 7%		24.0	21.0	23.0	19.0

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7*7 SERIES

HCB0770 HCB0732 HCB0730 HCB0740 HCB0747 HCB0750

HCB0770 (7.5*7.0*7.2mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB0770-900	90	0.71 ± 10%		33		85	
HCB0770-101	100	0.71 ± 10%		33		75	
HCB0770-121	120	0.71 ± 10%		33		60	
HCB0770-151	150	0.71 ± 10%		33		45	
HCB0770-181	180	0.71 ± 10%		33		35	
HCB0770-221	220	0.71 ± 10%		33		30	
HCB0770-900L	90	0.35 ± 10%		48		85	
HCB0770-101L	100	0.35 ± 10%		48		75	
HCB0770-121L	120	0.35 ± 10%		48		60	
HCB0770-151L	150	0.35 ± 10%		48		45	
HCB0770-181L	180	0.35 ± 10%		48		35	
HCB0770-221L	220	0.35 ± 10%		48		30	

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HCB0732 (7.0*7.0*3.2mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB0732-151	150	0.24 ± 10%		39		18	
HCB0732-171	170	0.24 ± 10%		39		16	

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HCB0730 (7.0*7.0*3.4mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB0730-470	47	0.24 ± 10%		39		42	
HCB0730-680	68	0.24 ± 10%		39		32	
HCB0730-820	82	0.24 ± 10%		39		26	
HCB0730-101	100	0.24 ± 10%		39		22	
HCB0730-111	110	0.24 ± 10%		39		20	
HCB0730-121	120	0.24 ± 10%		39		18	

HCB0730-470H	47	0.30 ± 10%	35	42
HCB0730-680H	68	0.30 ± 10%	35	32
HCB0730-820H	82	0.30 ± 10%	35	26
HCB0730-101H	100	0.30 ± 10%	35	22
HCB0730-111H	110	0.30 ± 10%	35	20
HCB0730-121H	120	0.30 ± 10%	35	18
HCB0730-470L	47	0.15± 15%	49	42
HCB0730-680L	68	0.15 ± 15%	49	32
HCB0730-820L	82	0.15± 15%	49	26
HCB0730-101L	100	0.15 ± 15%	49	22
HCB0730-111L	110	0.15 ± 15%	49	20

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HCB0740 (7.0*7.0*4.0mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB0740-850	85	0.28 ± 10%		36		47	
HCB0740-101	100	0.28 ± 10%		36		39	
HCB0740-151	150	0.28 ± 10%		36		26	
HCB0740-201	200	0.28 ± 10%		36		18	
HCB0740-850L	85	0.24 ± 10%		39		47	
HCB0740-101L	100	0.24 ± 10%		39		39	
HCB0740-151L	150	0.24 ± 10%		39		26	
HCB0740-201L	200	0.24 ± 10%		39		18	

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HCB0747 (7.4*7.0*4.7mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB0747-101	100	0.26 ± 10%		38		45	
HCB0747-121	120	0.26 ± 10%		38		37	
HCB0747-151	150	0.26 ± 10%		38		27	
HCB0747-181	180	0.26 ± 10%		38		20	
HCB0747-221	220	0.26 ± 10%		38		15	
HCB0747-101L	100	0.18 ± 10%		55		45	
HCB0747-121L	120	0.18 ± 10%		55		37	

HCB0747-151L	150	0.18 ± 10%	55	27
HCB0747-181L	180	0.18 ± 10%	55	20
HCB0747-221L	220	0.18 ± 10%	55	15
HCB0747S-101L	100	0.17 ± 10%	56	42
HCB0747S-151L	150	0.17 ± 10%	56	27

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HCB0750 (7.0*7.0*5.0mm)

Part Number	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
HCB0750-700	70	0.32 ± 9.5%		37		75	
HCB0750-101	100	0.32 ± 9.5%		37		53	
HCB0750-121	120	0.32 ± 9.5%		37		42	
HCB0750-151	150	0.32 ± 9.5%		37		34	
HCB0750-700H2	70	0.46 ± 6.5%		31		75	
HCB0750-101H2	100	0.46 ± 6.5%		31		53	
HCB0750-121H2	120	0.46 ± 6.5%		31		42	
HCB0750-151H2	150	0.46 ± 6.5%		31		34	
HCB0750-700L	70	0.19 ± 10%		48		75	
HCB0750-101L	100	0.19 ± 10%		48		53	
HCB0750-121L	120	0.19 ± 10%		48		42	
HCB0750-151L	150	0.19 ± 10%		48		34	
HCB0750-700L2	70	0.25 ± 10%		41		75	
HCB0750-101L2	100	0.25 ± 10%		41		53	
HCB0750-121L2	120	0.25 ± 10%		41		42	
HCB0750-151L2	150	0.25 ± 10%		41		34	

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8*8 SERIES

HCB0840

HCB0840 (8.0*7.0*4.0mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB0840-151	150	0.5 ± 6%		28		34	

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9*9 SERIES

HCB0950

HCB0950 (9.0*7.0*5.0mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB0950-101	100	0.37 ± 6 %		37		60	
HCB0950-151	150	0.37 ± 6 %		37		42	
HCB0950-181	180	0.37 ± 6 %		37		33	
HCB0950-231	230	0.37 ± 6 %		37		24	
HCB0950-301	300	0.37 ± 6 %		37		21	
HCB0950-351	350	0.37 ± 6 %		37		16	

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10*10 SERIES

CMMS104T CMMB104T CMME104T HCB1050 HCBD101195 HCB1075N HCB106480N HCB1070 HCB1040 HCB1047
HCB1060 HCB1065 HCB1068

CMMS104T (10.3*11.5*4.0mm)

 Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMMS104T-R36MS	0.36	1.1	1.25	30.0	27.0	70.0	60.0
CMMS104T-R56MS	0.56	1.6	1.8	25.0	22.0	45.0	40.0
CMMS104T-R68MS	0.68	1.8	2.1	22.0	20.0	43.0	37.0
CMMS104T-1R0MS	1.0	2.7	3.2	20.0	18.0	41.0	36.0
CMMS104T-1R5MS	1.5	3.8	4.2	16.0	14.0	38.0	33.0
CMMS104T-2R2MS	2.2	6.4	7.0	12.5	11.0	27.0	23.0
CMMS104T-3R3MS	3.3	10.8	11.8	10.0	9.0	24.0	20.0
CMMS104T-4R7MS	4.7	15.2	16.5	9.6	8.5	19.0	17.0
CMMS104T-5R6MS	5.6	17.0	19.3	9.0	8.0	18.0	16.0

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CMMB104T (10.3*11.5*4.0mm)

 Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMMB104T-R36MS	0.36	1.05	1.18	33.0	29.0	51.0	42.0
CMMB104T-R47MS	0.47	1.3	1.5	32.0	28.0	46.0	40.0
CMMB104T-R56MS	0.56	1.59	1.8	25.0	23.0	33.5	28.0
CMMB104T-1R0MS	1.0	2.85	3.3	19.0	17.0	29.0	26.0
CMMB104T-1R5MS	1.5	3.8	4.2	16.0	15.0	22.0	18.0
CMMB104T-2R2MS	2.2	6.0	7.0	12.0	11.0	20.0	16.0
CMMB104T-3R3MS	3.3	10.5	12.0	10.0	9.0	16.2	13.5
CMMB104T-4R7MS	4.7	16.8	20.0	8.5	7.6	15.2	13.0
CMMB104T-5R6MS	5.6	19.8	23.0	8.0	7.2	14.1	11.5
CMMB104T-6R8MS	6.8	22.0	24.5	7.5	6.5	12.2	11.0
CMMB104T-100MS	10.0	27.0	30.0	7.5	5.8	8.6	7.2
CMMB104T-220MS	22.0	59.0	66.0	5.0	4.0	6.2	5.4
CMMB104T-330MS	33.0	84.0	91.0	4.4	3.5	5.5	5.0
CMMB104T-470MS	47.0	129	143	3.3	2.8	4.0	3.7

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CMME104T (10.3*11.5*4.0mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMME104T-R22MS0R607	0.22	0.60 ± 7%		50.0	45.0	72.0	66.0
CMME104T-R36MS0R765	0.36	0.76 ± 5%		43.0	38.0	46.0	41.0
CMME104T-R45MS1R007	0.45	1.0 ± 7%		35.0	32.0	45.0	38.0
CMME104T-R56MS1R407	0.56	1.4 ± 7%		30.0	28.0	38.0	35.0
CMME104T-R68MS1R607	0.68	1.6 ± 7%		28.0	25.0	34.0	31.0
CMME104T-R88MS2R307	0.88	2.3 ± 7%		27.0	24.0	33.0	28.5
CMME104T-1R0MS2R307	1.0	2.3 ± 7%		25.0	22.5	32.0	28.0

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HCB1050 (10.2*7.0*5.0mm)

Part Number	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
HCB1050-800L1	80	0.33 ± 6 %		40		92	
HCB1050-900L1	90	0.33 ± 6 %		40		83	
HCB1050-101L1	100	0.33 ± 6 %		40		75	
HCB1050-121L1	120	0.33 ± 6 %		40		63	
HCB1050-151L1	150	0.33 ± 6 %		40		48	
HCB1050-181L1	180	0.33 ± 6 %		40		40	
HCB1050-221L1	220	0.33 ± 6 %		40		34	
HCB1050-800	80	0.39 ± 7.7%		37		92	
HCB1050-900	90	0.39 ± 7.7%		37		83	
HCB1050-101	100	0.39 ± 7.7%		37		75	
HCB1050-121	120	0.39 ± 7.7%		37		63	
HCB1050-151	150	0.39 ± 7.7%		37		48	
HCB1050-181	180	0.39 ± 7.7%		37		40	
HCB1050-221	220	0.39 ± 7.7%		37		34	
HCB1050-800H	80	0.55 ± 7.3%		31		92	
HCB1050-900H	90	0.55 ± 7.3%		31		83	
HCB1050-101H	100	0.55 ± 7.3%		31		75	
HCB1050-121H	120	0.55 ± 7.3%		31		63	

HCB1050-151H	150	0.55 ± 7.3%	31	48
HCB1050-181H	180	0.55 ± 7.3%	31	40
HCB1050-221H	220	0.55 ± 7.3%	31	34
HCB1050-800L	80	0.245 ± 7 %	46	92
HCB1050-900L	90	0.245 ± 7 %	46	83
HCB1050-101L	100	0.245 ± 7 %	46	75
HCB1050-121L	120	0.245 ± 7 %	46	63
HCB1050-151L	150	0.245 ± 7 %	46	48
HCB1050-181L	180	0.245 ± 7 %	46	40
HCB1050-221L	220	0.245 ± 7 %	46	34

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HCBD101195 (10.1*11.4*9.5mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
HCBD101195-251	250	0.35 ±10%		40		90	
HCBD101195-271	270	0.35 ±10%		40		82	
HCBD101195-301	300	0.35 ±10%		40		76	
HCBD101195-321	320	0.35 ±10%		40		71	
HCBD101195-351	350	0.35 ±10%		40		65	
HCBD101195-451	450	0.35 ±10%		40		50	

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HCB1075N (10.4*8.0*7.5mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
HCB1075N-121	115	0.29 ± 7%		41		94	
HCB1075N-151	150	0.29 ± 7%		41		72	
HCB1075N-181	175	0.29 ± 7%		41		62	
HCB1075N-211	215	0.29 ± 7%		41		48	
HCB1075N-231	230	0.29 ± 7%		41		43	
HCB1075N-271	270	0.29 ± 7%		41		37	
HCB1075N-311	310	0.29 ± 7%		41		32	
HCB1075N-121A	115	0.29 ± 5%		41		94	
HCB1075N-151A	150	0.29 ± 5%		41		72	

HCB1075N-181A	175	0.29 ± 5%	41	62
HCB1075N-211A	215	0.29 ± 5%	41	48
HCB1075N-231A	230	0.29 ± 5%	41	43
HCB1075N-271A	270	0.29 ± 5%	41	37
HCB1075N-311A	310	0.29 ± 5%	41	32

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HCB106480N (9.6*6.4*8.0mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB106480N-101	100	0.29 ± 5%		51		95	
HCB106480N-121	120	0.29 ± 5%		51		81	
HCB106480N-151	150	0.29 ± 5%		51		66	
HCB106480N-181	180	0.29 ± 5%		51		54	
HCB106480N-221	220	0.29 ± 5%		51		45	
HCB106480N-281	280	0.29 ± 5%		51		35	
HCB106480N-301	300	0.29 ± 5%		51		33	
HCB106480N-331	330	0.29 ± 5%		51		29	

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HCB1070 (10.0*10.0*7.0mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1070-151	150	0.6 ± 10%		30		78	
HCB1070-221	220	0.6 ± 10%		30		52	
HCB1070-151L	150	0.44 ± 10%		35		78	
HCB1070-221L	220	0.44 ± 10%		35		52	

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HCB1040 (10.2*7.0*4.0mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1040-101	100	0.36 ± 10%		37		54	
HCB1040-151	150	0.36 ± 10%		37		34	
HCB1040-201	200	0.36 ± 10%		37		24	

HCB1040-221	220	0.36 ± 10%		37		22

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HCB1047 (10.4*7.0*4.7mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1047-101L	100	0.235 ± 10%		47		60	
HCB1047-151L	150	0.235 ± 10%		47		40	
HCB1047-221L	220	0.235 ± 10%		47		25	
HCB1047-101	100	0.38 ± 10%		37		60	
HCB1047-151	150	0.38 ± 10%		37		40	
HCB1047-221	220	0.38 ± 10%		37		25	

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HCB1060 (10.0*8.2*6.0mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1060-161	160	0.45 ± 8%		40		60	
HCB1060-181	180	0.45 ± 8%		40		52	
HCB1060-211	210	0.45 ± 8%		40		45	

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HCB1065 (10.4*8.0*6.5mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1065-121	120	0.48 ± 8%		51		92	
HCB1065-151	150	0.48 ± 8%		51		74	
HCB1065-181	180	0.48 ± 8%		51		60	
HCB1065-211	215	0.48 ± 8%		51		47	
HCB1065-311	310	0.48 ± 8%		51		32	
HCB1065-121L	120	0.29 ± 10%		60		87	
HCB1065-151L	150	0.29 ± 10%		60		70	
HCB1065-181L	180	0.29 ± 10%		60		57	
HCB1065-211L	215	0.29 ± 10%		60		44	
HCB1065-311L	310	0.29 ± 10%		60		30	

HCB1065-121L1	120	0.41 ± 10%	54	92
HCB1065-151L1	150	0.41 ± 10%	54	74
HCB1065-181L1	180	0.41 ± 10%	54	60
HCB1065-211L1	215	0.41 ± 10%	54	47
HCB1065-311L1	310	0.41 ± 10%	54	32
HCB1065-121L2	120	0.28 ± 7%	61	84
HCB1065-151L2	150	0.28 ± 7%	61	67
HCB1065-181L2	180	0.28 ± 7%	61	56
HCB1065-211L2	215	0.28 ± 7%	61	45
HCB1065-311L2	310	0.28 ± 7%	61	30

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HCB1068 (10.4*8.5*6.8mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1068-151	150	0.22 ± 10%		57		60	
HCB1068-211	215	0.22 ± 10%		57	41	52	

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11*11 SERIES

HCB117555 HCB118050 HCB1175 HCB1180 HCB1190 HCB1145

HCB117555 (10.9*7.5*5.5mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB117555-101	100	0.25 ± 7%		54		88	
HCB117555-121	120	0.25 ± 7%		54		75	
HCB117555-151	150	0.25 ± 7%		54		57	
HCB117555-181	180	0.25 ± 7%		54		48	
HCB117555-221	220	0.25 ± 7%		54		38	
HCB117555-271	270	0.25 ± 7%		54		30	
HCB117555-321	320	0.25 ± 7%		54		24	
HCB117555-101L	100	0.20 ± 7%		60		88	
HCB117555-121L	120	0.20 ± 7%		60		75	
HCB117555-151L	150	0.20 ± 7%		60		57	
HCB117555-181L	180	0.20 ± 7%		60		48	
HCB117555-221L	220	0.20 ± 7%		60		38	
HCB117555-271L	270	0.20 ± 7%		60		30	
HCB117555-321L	320	0.20 ± 7%		60		24	

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HCB118050 (11.0*8.0*5.0mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB118050-121	120	0.35 ± 8.6%		46		75	
HCB118050-151	150	0.35 ± 8.6%		46		60	
HCB118050-181	180	0.35 ± 8.6%		46		48	
HCB118050-221	220	0.35 ± 8.6%		46		40	
HCB118050-301	300	0.35 ± 8.6%		46		28	

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HCB1175 (11.0*7.2*7.2mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
HCB1175-121	120	0.29 ± 7%		48		76	
HCB1175-151	150	0.29 ± 7%		48		70	
HCB1175-181	180	0.29 ± 7%		48		56	
HCB1175-201	200	0.29 ± 7%		48		52	
HCB1175-231	230	0.29 ± 7%		48		44	
HCB1175-281	280	0.29 ± 7%		48		36	
HCB1175-301	300	0.29 ± 7%		48		34	
HCB1175-361	360	0.29 ± 7%		48		25	
HCB1175-401	400	0.29 ± 7%		48		23	
HCB1175-501	500	0.29 ± 7%		48		17	
HCB1175-121H	120	0.47 ± 10%		37		76	
HCB1175-151H	150	0.47 ± 10%		37		70	
HCB1175-181H	180	0.47 ± 10%		37		56	
HCB1175-201H	200	0.47 ± 10%		37		52	
HCB1175-231H	230	0.47 ± 10%		37		44	
HCB1175-281H	280	0.47 ± 10%		37		36	
HCB1175-301H	300	0.47 ± 10%		37		34	
HCB1175-361H	360	0.47 ± 10%		37		25	
HCB1175-401H	400	0.47 ± 10%		37		23	
HCB1175-501H	500	0.47 ± 10%		37		17	
HCB1175-121L	120	0.245 ± 10%		52		76	
HCB1175-151L	150	0.245 ± 10%		52		70	
HCB1175-181L	180	0.245 ± 10%		52		56	
HCB1175-201L	200	0.245 ± 10%		52		52	
HCB1175-231L	230	0.245 ± 10%		52		44	
HCB1175-281L	280	0.245 ± 10%		52		36	
HCB1175-301L	300	0.245 ± 10%		52		34	
HCB1175-361L	360	0.245 ± 10%		52		25	
HCB1175-401L	400	0.245 ± 10%		52		23	
HCB1175-501L	500	0.245 ± 10%		52		17	

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HCB1180 (11.2*11.2*8.0mm)

	L0 Inductance	DCR		Heat rating current, Idc		Saturation current, Isat (A)	
	(nH)	(mOhm)		(A)			
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1180-221	220	0.35 ± 10%		45		66	
HCB1180-261	260	0.35 ± 10%		45		57	
HCB1180-301	300	0.35 ± 10%		45		49	
HCB1180-321	320	0.35 ± 10%		45		47	
HCB1180-391	390	0.35 ± 10%		45		37	
HCB1180-471	470	0.35 ± 10%		45		30	

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HCB1190 (11.2*11.2*9.0mm)

	L0 Inductance	DCR		Heat rating current, Idc		Saturation current, Isat (A)	
	(uH)	(mOhm)		(A)			
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1190-221	220	0.63 ± 9.5%		35		79	79
HCB1190-251	250	0.63 ± 9.5%		35		63	63
HCB1190-271	270	0.63 ± 9.5%		35		58	58
HCB1190-321	320	0.63 ± 9.5%		35		53	53
HCB1190-361	360	0.63 ± 9.5%		35		48	48
HCB1190-381	380	0.63 ± 9.5%		35		45	45
HCB1190-471	470	0.63 ± 9.5%		35		36	36
HCB1190-551	550	0.63 ± 9.5%		35		28	28
HCB1190-221L	220	0.31 ± 9.5%		50		79	79
HCB1190-251L	250	0.31 ± 9.5%		50		63	63
HCB1190-271L	270	0.31 ± 9.5%		50		58	58
HCB1190-321L	320	0.31 ± 9.5%		50		53	53
HCB1190-361L	360	0.31 ± 9.5%		50		48	48
HCB1190-381L	380	0.31 ± 9.5%		50		45	45
HCB1190-471L	470	0.31 ± 9.5%		50		36	36
HCB1190-551L	550	0.31 ± 9.5%		50		28	28
HCB1190-221L1	220	0.42 ± 9.5%		42		79	79
HCB1190-251L1	250	0.42 ± 9.5%		42		63	63
HCB1190-271L1	270	0.42 ± 9.5%		42		58	58
HCB1190-321L1	320	0.42 ± 9.5%		42		53	53
HCB1190-361L1	360	0.42 ± 9.5%		42		48	48

HCB1190-381L1	380	0.42 ± 9.5%	42	45	45
HCB1190-471L1	470	0.42 ± 9.5%	42	36	36
HCB1190-551L1	550	0.42 ± 9.5%	42		28
HCB1190-221L2	220	0.48 ± 7%	39		79
HCB1190-251L2	250	0.48 ± 7%	39		63
HCB1190-271L2	270	0.48 ± 7%	39		58
HCB1190-321L2	320	0.48 ± 7%	39		53
HCB1190-361L2	360	0.48 ± 7%	39		48
HCB1190-381L2	380	0.48 ± 7%	39		45
HCB1190-471L2	470	0.48 ± 7%	39		36
HCB1190-551L2	550	0.48 ± 7%	39	28	28

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HCB1145 (11.5*7.0*4.5mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1145-361	360	0.56 ± 8%		31		20	

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12*12 SERIES

HCB1260 HCB1280 HCB1290 HCB121060 HCB126030 HCB126032 HCB126034 HCB1245 HCB1275

HCB1260 (12.0*8.0*6.0mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1260-151	150	0.42 ± 7%		38		70	
HCB1260-211	210	0.42 ± 7%		38		53	

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HCB1280 (12.5*11.0*8.0mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1280-321	320	0.25 ± 10%		52		52	

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HCB1290 (12.5*11.0*9.0mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1290-221	220	0.33 ± 7%		42		85	
HCB1290-301	300	0.33 ± 7%		42		62	
HCB1290-681	680	0.33 ± 7%		42		22	

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HCB121060 (12.1*10.0*6.0mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB121060-121	120	0.48 ± 7%		36		84	
HCB121060-181	180	0.48 ± 7%		36		64	
HCB121060-211	215	0.48 ± 7%		36		53	
HCB121060-231	230	0.48 ± 7%		36		47	
HCB121060-321	320	0.48 ± 7%		36		34	
HCB121060-361	360	0.48 ± 7%		36		30	
HCB121060-421	420	0.48 ± 7%		36		25	
HCB121060-121L	120	0.29 ± 7%		45		84	

HCB121060-181L	180	0.29 ± 7%	45	64
HCB121060-211L	215	0.29 ± 7%	45	53
HCB121060-231L	230	0.29 ± 7%	45	47
HCB121060-321L	320	0.29 ± 7%	45	34
HCB121060-361L	360	0.29 ± 7%	45	30
HCB121060-421L	420	0.29 ± 7%	45	25

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HCB126030 (12.1*6.0*3.0mm)

Part Number	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
HCB126030-141	140	0.25 ± 10%		35		25	
HCB126030-171	170	0.25 ± 10%		35		25	

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HCB126032 (12.0*6.0*3.2mm)

Part Number	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
HCB126032-201	200		0.30	33		24	

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HCB126034 (12.0*6.0*3.4mm)

Part Number	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
HCB126034-201	200		0.30	33		24	

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HCB1245 (12.5*7.0*4.5mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
HCB1245-361	360	0.58 ± 8%		30		21	

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HCB1275 (12.0*7.5*7.5mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1275-231	230	0.29 ± 10%		44		51	

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13*13 SERIES

CMMB135T CMMB136T CMMS136E HCB1340 HCB138040 HCB1380 HCB137590 HCB1370

CMMB135T (12.8*13.8*5.0mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
CMMB135T-2R2MS	2.2	3.98	5.0	16.0	14.5	25.0	22.0
CMMB135T-3R3MS	3.3	5.5	7.0	15.5	14.0	22.5	19.5
CMMB135T-4R7MS	4.7	8.5	10.3	10.5	9.5	17.2	14.5
CMMB135T-100MS	10.0	18.9	22.0	9.0	8.1	13.0	10.5
CMMB135T-150MS	15.0	30.0	35.0	5.8	5.2	8.0	6.8
CMMB135T-220MS	22.0	50.0	58.0	4.5	4.1	6.6	5.7

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CMMB136T (12.8*13.8*6.0mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
CMMB136T-8R2MS	8.2	13.5	16.0	11.0	10.0	16.0	13.5
CMMB136T-100MS	10.0	17.7	20.7	10.0	9.5	13.5	11.5
CMMB136T-120MS	12.0	19.8	23.0	9.0	8.0	13.0	11.0
CMMB136T-150MS	15.0	24.0	27.5	8.0	7.0	10.0	9.0
CMMB136T-220MS	22.0	33.0	39.0	7.0	6.5	7.6	6.9
CMMB136T-330MS	33.0	60.0	70.0	5.0	4.7	6.1	5.4
CMMB136T-470MS	47.0	78.0	88.0	4.5	4.0	5.7	5.2
CMMB136T-680MS	68.0	119.5	140.0	3.5	3.0	5.5	4.7
CMMB136T-101MS	100.0	178.0	198.0	3.0	2.7	4.0	3.5
CMMB136T-151MS	150.0	300.0	347.0	2.5	2.2	3.0	2.7

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CMMS136E (12.8*13.8*6.5mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
CMMS136E-1R0MS	1.0	1.8	2.15	29.0	28.0	53.0	50.0
CMMS136E-1R3MS	1.3	2.2	2.5	28.5	27.5	52.0	49.0
CMMS136E-1R5MS	1.5	2.3	2.6	28.0	27.0	51.0	48.0

CMMS136E-1R8MS	1.8	2.7	3.1	25.0	24.0	49.0	47.0
CMMS136E-2R2MS	2.2	3.49	4.2	22.5	21.5	46.0	42.0
CMMS136E-3R3MS	3.3	3.75	4.4	22.0	20.0	42.0	40.0
CMMS136E-4R7MS	4.7	7.8	8.5	16.0	15.0	28.0	25.0

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HCB1340 (13.0*7.0*4.0mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1340-151	150	0.25 ± 10%		45		46	
HCB1340-201	200	0.25 ± 10%		45		35	

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HCB138040 (13.0*8.0*4.0mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB138040-111	110	0.27 ± 10%		45		67	
HCB138040-201	200	0.27 ± 10%		45		37	

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HCB1380 (13.3*13.0*8.2mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1380-211	210	0.26 ± 9.4%		50		80	
HCB1380-251	250	0.26 ± 9.4%		50		66	
HCB1380-261	260	0.26 ± 9.4%		50		63	
HCB1380-321	320	0.26 ± 9.4%		50		47	
HCB1380-361	360	0.26 ± 9.4%		50		43	
HCB1380-441	440	0.26 ± 9.4%		50		34	
HCB1380-501	500	0.26 ± 9.4%		50		28	
HCB1380-211H	210	0.53 ± 11.5%		35		80	
HCB1380-251H	250	0.53 ± 11.5%		35		66	
HCB1380-261H	260	0.53 ± 11.5%		35		63	
HCB1380-321H	320	0.53 ± 11.5%		35		47	
HCB1380-361H	360	0.53 ± 11.5%		35		43	

HCB1380-441H	440	0.53 ± 11.5%	35	34
HCB1380-501H	500	0.53 ± 11.5%	35	28
HCB1380-211H1	210	0.32 ± 9.4%	45	80
HCB1380-251H1	250	0.32 ± 9.4%	45	66
HCB1380-261H1	260	0.32 ± 9.4%	45	63
HCB1380-321H1	320	0.32 ± 9.4%	45	47
HCB1380-361H1	360	0.32 ± 9.4%	45	43
HCB1380-441H1	440	0.32 ± 9.4%	45	34
HCB1380-501H1	500	0.32 ± 9.4%	45	28
HCB1380-211L	210	0.165 ± 10%	68	80
HCB1380-251L	250	0.165 ± 10%	68	66
HCB1380-261L	260	0.165 ± 10%	68	63
HCB1380-321L	320	0.165 ± 10%	68	47
HCB1380-361L	360	0.165 ± 10%	68	43
HCB1380-441L	440	0.165 ± 10%	68	34
HCB1380-501L	500	0.165 ± 10%	68	28

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HCB137590 (13.3*7.5*9.0mm)

	L0 Inductance (nH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB137590-231	230	0.28 ± 10%		44		60	
HCB137590-271	270	0.28 ± 10%		44		53	

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HCB1370 (13.0*13.0*7.0mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1370-321	320	0.25 ± 10%		52		35	

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14*14 SERIES

HCB1440 HCB141390

HCB1440 (13.3*7.5*4.0mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB1440-121	125	0.225 ± 10%		48		53	
HCB1440-151	150	0.225 ± 10%		48		45	
HCB1440-161	160	0.225 ± 10%		48		44	
HCB1440-241	240	0.225 ± 10%		48		31	

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HCB141390 (14.5*13.3*9.3mm)

	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
Part Number		Typical	Max	Typical	Max	Typical	Max
HCB141390-451	450	0.24 ± 10%		43		45	
HCB141390-541	540	0.24 ± 10%		43		37	
HCB141390-601	600	0.24 ± 10%		43		33	
HCB141390-681	680	0.24 ± 10%		43		29	

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17*17 SERIES

CMMB177T

CMMB177T (17.15*17.5*7.0mm)

Part Number	L0 Inductance (uH)	DCR (mOhm)		Heat rating current, Idc (A)		Saturation current, Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
CMMB177T-2R2MS	2.2	2.1	2.5	37	30	38	33
CMMB177T-6R8MS	6.8	6.5	7.5	21	19	25	22
CMMB177T-8R2MS	8.2	8.0	8.6	16	15	22	20
CMMB177T-100MS	10.0	9.2	9.9	14	13	20	18.5
CMMB177T-150MS	15.0	13.8	15.3	12	11	15.5	13.5
CMMB177T-330MS	33.0	32	37	9.2	8.0	10.5	8.6
CMMB177T-470MS	47.0	40	47	6.8	6.0	7.7	6.5

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CONTACT US

Beside the standard products, we also make customize products according to your different request and specifications. If you have any question or request, please contact us. We will reply to you as soon as possible.

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