

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

FEATURES

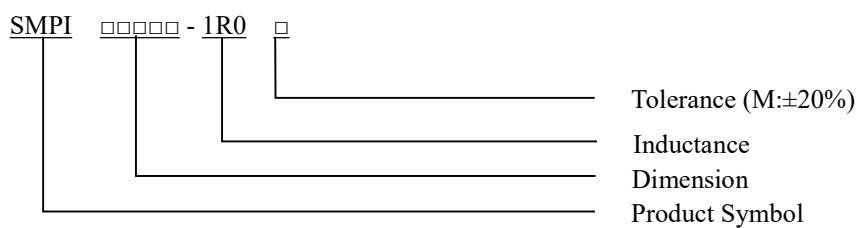
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.



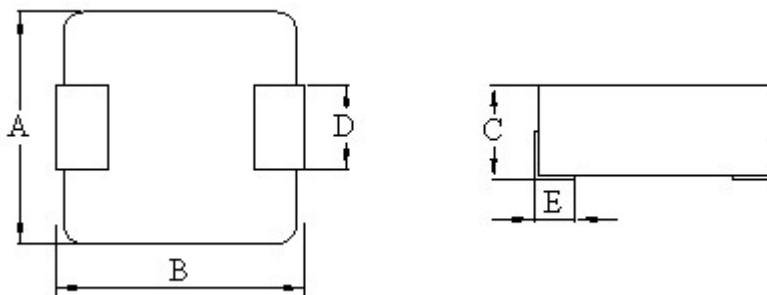
APPLICATIONS

- ◆ PDA / Notebook / Desktop, and server applications.
- ◆ DC/DC converters in distributed power systems.
- ◆ DC/DC converter for Field Programmable Gate Array(FPGA)

ORDERING CODE



SHAPES



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SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

DIMENSIONS (UNIT: mm)

Part No.	A	B	C (MAX)	D (REF)	E (REF)
SMPI 04020	4.0 ± 0.3	4.5 ± 0.4	2.0	1.8	1.0
SMPI 05015	5.2 ± 0.3	5.5 ± 0.4	1.5	2.0	1.0
SMPI 05030	5.2 ± 0.3	5.5 ± 0.4	3.0	2.0	1.0
SMPI 06020	6.6 ± 0.3	7.2 ± 0.5	2.0	3.0	1.6
SMPI 06030	6.6 ± 0.3	7.2 ± 0.5	3.0	3.0	1.6
SMPI 06050	6.6 ± 0.3	7.2 ± 0.5	5.0	3.0	1.6
SMPI 07050	7.2 ± 0.3	7.8 ± 0.5	5.0	3.0	1.6
SMPI 08030	8.0 ± 0.3	8.6 ± 0.6	3.0	3.0	1.8
SMPI 08040	8.0 ± 0.3	8.6 ± 0.6	4.0	3.0	1.8
SMPI 08050	8.0 ± 0.3	8.6 ± 0.6	5.0	3.0	1.8
SMPI 10040	10.0 ± 0.5	10.5 ± 1.0	4.0	3.0	2.2
SMPI 10045	10.0 ± 0.5	10.5 ± 1.0	4.5	3.0	2.2
SMPI 10050	10.0 ± 0.5	10.5 ± 1.0	5.0	3.0	2.2
SMPI 12040	12.8 ± 0.5	13.5 ± 1.0	4.0	3.8	2.5
SMPI 12050	12.8 ± 0.5	13.5 ± 1.0	5.0	3.8	2.5
SMPI 12065	12.8 ± 0.5	13.5 ± 1.0	6.5	3.8	2.5
SMPI 17070	17.2 (MAX)	18.0 ± 1.0	7.2	11.9	2.7
SMPI 22013	22.0 ± 0.3	22.5 ± 0.3	13	18.6	5.0

ELECTRICAL CHARACTERISTICS FOR SMPI 04020

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI04020-R10M	0.10	100KHz/1V	14	35	4.2
SMPI04020-R15M	0.15	100KHz/1V	11	28	4.5
SMPI04020-R22M	0.22	100KHz/1V	10	25	5.5
SMPI04020-R33M	0.33	100KHz/1V	9.0	17	9.8
SMPI04020-R47M	0.47	100KHz/1V	8.5	15	15
SMPI04020-R56M	0.56	100KHz/1V	8.0	13	15
SMPI04020-R68M	0.68	100KHz/1V	7.0	12	19
SMPI04020-1R0M	1.00	100KHz/1V	6.0	10	28
SMPI04020-1R2M	1.20	100KHz/1V	5.0	9.0	32
SMPI04020-1R5M	1.50	100KHz/1V	4.0	8.0	37
SMPI04020-2R2M	2.20	100KHz/1V	4.0	7.0	60
SMPI04020-3R3M	3.30	100KHz/1V	3.0	6.0	96
SMPI04020-4R7M	4.70	100KHz/1V	3.0	5.0	125
SMPI04020-5R6M	5.60	100KHz/1V	2.5	4.5	155
SMPI04020-6R8M	6.80	100KHz/1V	2.5	4.0	165
SMPI04020-8R2M	8.20	100KHz/1V	2.0	3.0	260
SMPI04020-100M	10	100KHz/1V	1.8	3.0	310



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SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 05015

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI05015-R47M	0.47	100KHz/1V	9.0	12	13.5
SMPI05015-R68M	0.68	100KHz/1V	6.0	10	21.0
SMPI05015-1R0M	1.00	100KHz/1V	5.5	8.0	28.0
SMPI05015-2R2M	2.20	100KHz/1V	3.3	5.0	68.0
SMPI05015-3R3M	3.30	100KHz/1V	3.0	5.0	106
SMPI05015-4R7M	4.70	100KHz/1V	2.5	4.0	135
SMPI05015-5R6M	5.60	100KHz/1V	2.2	3.5	150
SMPI05015-6R8M	6.80	100KHz/1V	2.0	3.0	155
SMPI05015-100M	10	100KHz/1V	1.5	2.0	213

ELECTRICAL CHARACTERISTICS FOR SMPI 05030

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI05030-R68M	0.68	100KHz/1V	9.0	12	11
SMPI05030-1R0M	1.00	100KHz/1V	8.0	10	13
SMPI05030-1R5M	1.50	100KHz/1V	6.0	9	18
SMPI05030-2R2M	2.20	100KHz/1V	5.5	8	30
SMPI05030-3R3M	3.30	100KHz/1V	5.0	7	38
SMPI05030-4R7M	4.70	100KHz/1V	4.0	6	62
SMPI05030-6R8M	6.80	100KHz/1V	3.0	5	90
SMPI05030-100M	10	100KHz/1V	2.0	3	115

ELECTRICAL CHARACTERISTICS FOR SMPI 06020

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI06020-R10M	0.10	100KHz/1V	15	30	2.8
SMPI06020-R22M	0.22	100KHz/1V	13	22	7.0
SMPI06020-R68M	0.68	100KHz/1V	9.0	12	13.5
SMPI06020-1R0M	1.00	100KHz/1V	8.0	10	19.0
SMPI06020-2R2M	2.20	100KHz/1V	5.0	8	35.0
SMPI06020-3R3M	3.30	100KHz/1V	4.5	7	70.0
SMPI06020-4R7M	4.70	100KHz/1V	3.5	6	73.0
SMPI06020-6R8M	6.80	100KHz/1V	2.5	4	122



SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 06030

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI06030-R10M	0.10	100KHz/1V	30	40.0	1.6
SMPI06030-R15M	0.15	100KHz/1V	26	35.0	2.1
SMPI06030-R22M	0.22	100KHz/1V	24	30.0	2.6
SMPI06030-R33M	0.33	100KHz/1V	21	27.0	3.5
SMPI06030-R47M	0.47	100KHz/1V	18	20.0	4.2
SMPI06030-R56M	0.56	100KHz/1V	16	18.0	4.2
SMPI06030-R68M	0.68	100KHz/1V	15	16.0	6.0
SMPI06030-R82M	0.82	100KHz/1V	14	15.5	8.5
SMPI06030-1R0M	1.00	100KHz/1V	11	15.0	11.0
SMPI06030-1R2M	1.20	100KHz/1V	10	14.0	12.5
SMPI06030-1R5M	1.50	100KHz/1V	9.0	13.0	12.5
SMPI06030-2R2M	2.20	100KHz/1V	8.0	10.0	19.0
SMPI06030-3R3M	3.30	100KHz/1V	6.0	9.0	27.6
SMPI06030-4R7M	4.70	100KHz/1V	5.0	8.0	45.0
SMPI06030-5R6M	5.60	100KHz/1V	4.5	7.0	48.0
SMPI06030-6R8M	6.80	100KHz/1V	4.0	6.5	63.0
SMPI06030-8R2M	8.20	100KHz/1V	3.5	6.0	63.0
SMPI06030-100M	10	100KHz/1V	3.0	5.0	95.0
SMPI06030-150M	15	100KHz/1V	2.8	4.0	128



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SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 06050

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI06050-R10M	0.10	100KHz/1V	35	50	1.6
SMPI06050-R22M	0.22	100KHz/1V	22	31	2.0
SMPI06050-R33M	0.33	100KHz/1V	23	28	2.8
SMPI06050-R47M	0.47	100KHz/1V	22	25	3.6
SMPI06050-R56M	0.56	100KHz/1V	19	22	4.5
SMPI06050-R68M	0.68	100KHz/1V	16	20	5.3
SMPI06050-R82M	0.82	100KHz/1V	14	19	6.0
SMPI06050-1R0M	1.00	100KHz/1V	13	18	6.8
SMPI06050-1R2M	1.20	100KHz/1V	12	16	6.8
SMPI06050-1R5M	1.50	100KHz/1V	11	14	8.0
SMPI06050-2R2M	2.20	100KHz/1V	10	13	12.5
SMPI06050-3R3M	3.30	100KHz/1V	9.0	11	15.5
SMPI06050-4R7M	4.70	100KHz/1V	7.5	10	20.0
SMPI06050-5R6M	5.60	100KHz/1V	6.5	8.0	23.0
SMPI06050-6R8M	6.80	100KHz/1V	5.5	7.5	28.0
SMPI06050-8R2M	8.20	100KHz/1V	5.0	7.5	41.0
SMPI06050-100M	10	100KHz/1V	4.5	7.0	41.0
SMPI06050-120M	12	100KHz/1V	4.2	6.5	53.0
SMPI06050-150M	15	100KHz/1V	4.0	6.0	62.0
SMPI06050-180M	18	100KHz/1V	3.5	5.5	88.0
SMPI06050-220M	22	100KHz/1V	3.0	5.0	93.0
SMPI06050-330M	33	100KHz/1V	2.5	4.0	145
SMPI06050-470M	47	100KHz/1V	2.0	3.0	208
SMPI06050-560M	56	100KHz/1V	1.8	2.5	248
SMPI06050-680M	68	100KHz/1V	1.5	2.0	310



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ELECTRICAL CHARACTERISTICS FOR SMPI 07050

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI07050-2R2M	2.2	100KHz/0.1V	9.0	14	12
SMPI07050-6R8M	6.8	100KHz/0.1V	5.5	8.0	30
SMPI07050-100M	10	100KHz/0.1V	4.8	7.0	65
SMPI07050-220M	22	100KHz/0.1V	3.0	5.0	140
SMPI07050-270M	27	100KHz/0.1V	3.0	4.5	182
SMPI07050-330M	33	100KHz/0.1V	2.0	4.0	237
SMPI07050-470M	47	100KHz/0.1V	2.0	3.5	247
SMPI07050-560M	56	100KHz/0.1V	1.8	3.0	310

ELECTRICAL CHARACTERISTICS FOR SMPI 08030

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI08030-1R0M	1.0	100KHz/1V	11	16	6.5
SMPI08030-1R5M	1.5	100KHz/1V	10	14	7.2
SMPI08030-1R8M	1.8	100KHz/1V	9.5	13	16
SMPI08030-2R2M	2.2	100KHz/1V	9.0	12	17
SMPI08030-3R3M	3.3	100KHz/1V	8.0	10	19

ELECTRICAL CHARACTERISTICS FOR SMPI 08040

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI08040-1R0M	1.0	100KHz/1V	13	18.0	6.5
SMPI08040-1R5M	1.5	100KHz/1V	12	16.0	8.0
SMPI08040-2R2M	2.2	100KHz/1V	10	15.0	9.0
SMPI08040-4R7M	4.7	100KHz/1V	8	11.5	19
SMPI08040-6R8M	6.8	100KHz/1V	6	10.0	27
SMPI08040-8R2M	8.2	100KHz/1V	5	8.0	48
SMPI08040-100M	10	100KHz/1V	5	7.0	48
SMPI08040-220M	22	100KHz/1V	4	6.0	118
SMPI08040-330M	33	100KHz/1V	3	4.0	168
SMPI08040-470M	47	100KHz/1V	2	3.5	200



SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 08050

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI08050-R22M	0.22	100KHz/1V	20	35	1.2
SMPI08050-R68M	0.68	100KHz/1V	16	21	4.3
SMPI08050-R82M	0.82	100KHz/1V	15	20	4.8
SMPI08050-1R0M	1.00	100KHz/1V	14	19	5.8
SMPI08050-1R5M	1.50	100KHz/1V	13	18	6.5
SMPI08050-2R2M	2.20	100KHz/1V	11	17	9.0
SMPI08050-3R3M	3.30	100KHz/1V	10	15	12.5
SMPI08050-4R7M	4.70	100KHz/1V	9.0	13	19.0
SMPI08050-5R6M	5.60	100KHz/1V	8.0	12	23.5
SMPI08050-6R8M	6.80	100KHz/1V	7.0	11	25.0
SMPI08050-8R2M	8.20	100KHz/1V	6.0	10	36.0
SMPI08050-100M	10	100KHz/1V	5.5	9.0	37.0
SMPI08050-150M	15	100KHz/1V	5.0	8.0	60.0
SMPI08050-220M	22	100KHz/1V	4.0	7.0	79.0
SMPI08050-330M	33	100KHz/1V	3.5	5.0	142
SMPI08050-470M	47	100KHz/1V	3.0	4.0	165
SMPI08050-560M	56	100KHz/1V	2.0	3.5	176
SMPI08050-680M	68	100KHz/1V	1.8	2.5	206
SMPI08050-101M	100	100KHz/1V	1.5	2.0	285
SMPI08050-151M	150	100KHz/1V	1.2	1.8	430



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SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 10040

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI10040-R15M	0.15	100KHz/1V	40	70	0.75
SMPI10040-R22M	0.22	100KHz/1V	30	50	1.0
SMPI10040-R33M	0.33	100KHz/1V	28	49	1.3
SMPI10040-R36M	0.36	100KHz/1V	25	48	1.3
SMPI10040-R45M	0.45	100KHz/1V	23	40	1.5
SMPI10040-R47M	0.47	100KHz/1V	21	35	1.5
SMPI10040-R56M	0.56	100KHz/1V	19	32	2.0
SMPI10040-R68M	0.68	100KHz/1V	18	25	2.0
SMPI10040-R82M	0.82	100KHz/1V	16	22	2.5
SMPI10040-1R0M	1.00	100KHz/1V	15	20	2.5
SMPI10040-1R5M	1.50	100KHz/1V	12	18	5.2
SMPI10040-2R2M	2.20	100KHz/1V	9.0	15	7.5
SMPI10040-3R3M	3.30	100KHz/1V	8.5	14	11.5
SMPI10040-4R7M	4.70	100KHz/1V	8.0	13	14.5
SMPI10040-5R6M	5.60	100KHz/1V	7.0	12	19.0
SMPI10040-6R8M	6.80	100KHz/1V	6.0	10	21.0
SMPI10040-8R2M	8.20	100KHz/1V	5.5	9.0	32.0
SMPI10040-100M	10	100KHz/1V	5.0	8.0	36.0
SMPI10040-150M	15	100KHz/1V	4.0	7.0	60.0
SMPI10040-220M	22	100KHz/1V	3.5	6.0	68.0
SMPI10040-330M	33	100KHz/1V	3.0	5.0	100
SMPI10040-470M	47	100KHz/1V	2.0	3.5	145

ELECTRICAL CHARACTERISTICS FOR SMPI 10045

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI10045-100M	10	100KHz / 1V	6.0	9.0	27
SMPI10045-150M	15	100KHz / 1V	5.0	8.0	42
SMPI10045-220M	22	100KHz / 1V	4.0	7.0	63
SMPI10045-330M	33	100KHz / 1V	3.5	5.5	96
SMPI10045-470M	47	100KHz / 1V	3.0	5.0	147
SMPI10045-680M	68	100KHz / 1V	2.5	4.5	210
SMPI10045-820M	82	100KHz / 1V	2.0	4.0	245
SMPI10045-101M	100	100KHz / 1V	1.5	3.0	265



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ELECTRICAL CHARACTERISTICS FOR SMPI 10050

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI10050-R36M	0.36	100KHz/1V	36	52	1.1
SMPI10050-R68M	0.68	100KHz/1V	20	35	1.9
SMPI10050-R82M	0.82	100KHz/1V	18	30	2.5
SMPI10050-1R0M	1.00	100KHz/1V	16	28	2.5
SMPI10050-1R2M	1.20	100KHz/1V	15	25	2.8
SMPI10050-1R5M	1.50	100KHz/1V	13	21	3.1
SMPI10050-2R2M	2.20	100KHz/1V	11	20	6.2
SMPI10050-3R3M	3.30	100KHz/1V	10	15	7
SMPI10050-4R7M	4.70	100KHz/1V	9.0	15	12
SMPI10050-5R6M	5.60	100KHz/1V	8.5	14	16
SMPI10050-6R8M	6.80	100KHz/1V	8.0	13	16
SMPI10050-8R2M	8.20	100KHz/1V	7.0	12	27
SMPI10050-100M	10	100KHz/1V	7.0	11	28
SMPI10050-150M	15	100KHz/1V	6.0	10.0	42
SMPI10050-220M	22	100KHz/1V	5.0	8.0	65
SMPI10050-330M	33	100KHz/1V	4.0	6.0	95
SMPI10050-470M	47	100KHz/1V	3.5	5.5	142
SMPI10050-680M	68	100KHz/1V	3.0	5.0	218
SMPI10050-820M	82	100KHz/1V	2.5	4.5	240
SMPI10050-101M	100	100KHz/1V	2.0	4.0	250
SMPI10050-151M	150	100KHz/1V	1.8	3.5	425
SMPI10050-181M	180	100KHz/1V	1.5	3.0	460
SMPI10050-201M	200	100KHz/1V	1.2	2.5	470



SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 12040

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI12040-R22M	0.22	100KHz/1V	32	50	0.9
SMPI12040-R33M	0.33	100KHz/1V	26	45	1.5
SMPI12040-R47M	0.47	100KHz/1V	23	40	1.6
SMPI12040-R68M	0.68	100KHz/1V	21	35	2.1
SMPI12040-1R0M	1.00	100KHz/1V	18	30	4.0
SMPI12040-1R5M	1.50	100KHz/1V	13	22	5.5
SMPI12040-2R2M	2.20	100KHz/1V	11	18	5.5
SMPI12040-3R3M	3.30	100KHz/1V	9	14	8.5
SMPI12040-4R7M	4.70	100KHz/1V	8	12	17.5
SMPI12040-6R8M	6.80	100KHz/1V	6	10	25
SMPI12040-8R2M	8.20	100KHz/1V	5	9	26
SMPI12040-100M	10	100KHz/1V	4	8	32

ELECTRICAL CHARACTERISTICS FOR SMPI 12050

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI12050-R33M	0.33	100KHz/1V	40	60	1.0
SMPI12050-R36M	0.36	100KHz/1V	35	48	1.2
SMPI12050-R47M	0.47	100KHz/1V	25	45	1.2
SMPI12050-R56M	0.56	100KHz/1V	24	42	1.3
SMPI12050-R68M	0.68	100KHz/1V	23	38	1.3
SMPI12050-R82M	0.82	100KHz/1V	22	36	2.1
SMPI12050-1R0M	1.00	100KHz/1V	20	32	2.6
SMPI12050-1R2M	1.20	100KHz/1V	18	30	2.6
SMPI12050-1R5M	1.50	100KHz/1V	15	28	3.1
SMPI12050-2R2M	2.20	100KHz/1V	14	23	6.0
SMPI12050-3R3M	3.30	100KHz/1V	13	20	8.0
SMPI12050-4R7M	4.70	100KHz/1V	12	18	9.0
SMPI12050-5R6M	5.60	100KHz/1V	9.0	15	10.5
SMPI12050-6R8M	6.80	100KHz/1V	8.0	14	15.0
SMPI12050-8R2M	8.20	100KHz/1V	7.5	13	22.0
SMPI12050-100M	10	100KHz/1V	7.0	12	24.0
SMPI12050-150M	15	100KHz/1V	5.0	10	30.0
SMPI12050-220M	22	100KHz/1V	4.5	7	40.0
SMPI12050-330M	33	100KHz/1V	3.5	6	60.0
SMPI12050-470M	47	100KHz/1V	3.0	5	80.0
SMPI12050-680M	68	100KHz/1V	2.5	4	106



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SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 12065

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI12065-R47M	0.47	100KHz/1V	36.0	50	1.0
SMPI12065-1R0M	1.00	100KHz/1V	25.0	36	1.8
SMPI12065-1R2M	1.20	100KHz/1V	22.0	34	2.7
SMPI12065-1R5M	1.50	100KHz/1V	20.0	30	4.5
SMPI12065-2R2M	2.20	100KHz/1V	18.0	26	6.0
SMPI12065-3R3M	3.30	100KHz/1V	15.0	24	7.0
SMPI12065-4R7M	4.70	100KHz/1V	14.0	22	8.5
SMPI12065-5R6M	5.60	100KHz/1V	12.5	20	10.5
SMPI12065-6R8M	6.80	100KHz/1V	11.0	18	11.5
SMPI12065-8R2M	8.20	100KHz/1V	10.0	16	12.5
SMPI12065-100M	10	100KHz/1V	9.0	14	20.7
SMPI12065-150M	15	100KHz/1V	7.0	12	23.0
SMPI12065-220M	22	100KHz/1V	6.5	10	38.0
SMPI12065-330M	33	100KHz/1V	6.0	9.0	52.0
SMPI12065-470M	47	100KHz/1V	5.0	6.0	68.0
SMPI12065-560M	56	100KHz/1V	4.5	5.5	93.0
SMPI12065-680M	68	100KHz/1V	4.0	5.0	98.0
SMPI12065-820M	82	100KHz/1V	3.2	4.5	108
SMPI12065-101M	100	100KHz/1V	3.0	4.2	118
SMPI12065-121M	120	100KHz/1V	2.8	4.0	180
SMPI12065-151M	150	100KHz/1V	2.5	3.8	329
SMPI12065-201M	200	100KHz/1V	2.0	3.2	365
SMPI12065-221M	220	100KHz/1V	1.8	3.0	370
SMPI12065-331M	330	100KHz/1V	1.5	2.5	485
SMPI12065-401M	400	100KHz/1V	1.3	2.0	700



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SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 17070

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI17070-1R0M	1.0	100KHz/1V	35	60	1.6
SMPI17070-1R5M	1.5	100KHz/1V	33	50	2.5
SMPI17070-2R2M	2.2	100KHz/1V	30	40	3.2
SMPI17070-3R3M	3.3	100KHz/1V	23	30	3.8
SMPI17070-4R7M	4.7	100KHz/1V	20	26	4.8
SMPI17070-5R6M	5.6	100KHz/1V	18	23	5.0
SMPI17070-6R8M	6.8	100KHz/1V	17	22	7.5
SMPI17070-8R2M	8.2	100KHz/1V	16	20	9.0
SMPI17070-100M	10	100KHz/1V	14	18	10
SMPI17070-150M	15	100KHz/1V	12	16	21
SMPI17070-220M	22	100KHz/1V	10	13	25
SMPI17070-330M	33	100KHz/1V	8.0	10	33
SMPI17070-470M	47	100KHz/1V	7.0	9.0	45
SMPI17070-680M	68	100KHz/1V	5.0	8.5	73
SMPI17070-820M	82	100KHz/1V	4.5	8.0	104
SMPI17070-101M	100	100KHz/1V	4.0	7.0	115
SMPI17070-121M	120	100KHz/1V	3.5	5.5	118
SMPI17070-151M	150	100KHz/1V	3.0	5.0	150
SMPI17070-221M	220	100KHz/1V	2.5	4.0	265
SMPI17070-351M	350	100KHz/1V	1.8	3.0	415



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SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 22013

Part No.	Inductance (uH) @0A	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI22013-1R0M	1.0	100KHz/1V	60	75	1.1
SMPI22013-1R5M	1.5	100KHz/1V	55	70	1.2
SMPI22013-2R2M	2.2	100KHz/1V	50	65	1.5
SMPI22013-3R3M	3.3	100KHz/1V	48	60	1.8
SMPI22013-4R7M	4.7	100KHz/1V	45	55	2.0
SMPI22013-5R6M	5.6	100KHz/1V	40	52	2.5
SMPI22013-6R8M	6.8	100KHz/1V	35	42	3.5
SMPI22013-100M	10	100KHz/1V	32	40	4.5
SMPI22013-150M	15	100KHz/1V	22	30	6.8
SMPI22013-220M	22	100KHz/1V	19	26	11.0
SMPI22013-330M	33	100KHz/1V	16	23	17.5
SMPI22013-470M	47	100KHz/1V	13	18	24.0
SMPI22013-560M	56	100KHz/1V	12	16	35.0
SMPI22013-680M	68	100KHz/1V	11	13	38.0
SMPI22013-750M	75	100KHz/1V	10	12	39.0
SMPI22013-820M	82	100KHz/1V	9.0	11	40.0
SMPI22013-101M	100	100KHz/1V	8.0	10	45.0
SMPI22013-151M	150	100KHz/1V	6.0	8.0	80.0
SMPI22013-201M	200	100KHz/1V	5.0	6.0	105
SMPI22013-221M	220	100KHz/1V	4.5	5.5	125
SMPI22013-401M	400	100KHz/1V	2.5	4.0	230

Notes:

- 1) You require another part number please contact with us.
- 2) Inductance Tolerance $\pm 20\%$; Frequency Test : 100KHz/1.0v
- 3) All test data is referenced to 25°C ambient.
- 4) Irms : DC current (A) that will cause an approximate ΔT of 40°C
- 5) Isat : DC current (A) that will cause L_o to drop approximately 30%
- 6) We can design according to customer's request.



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