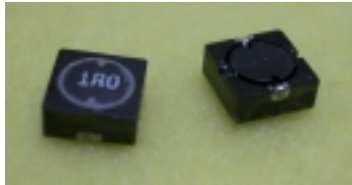




# Chilisin Electronics Singapore Pte Ltd

## SMD Power Chokes, SMC Series

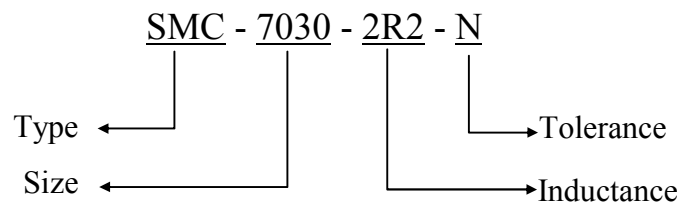
### Feature:



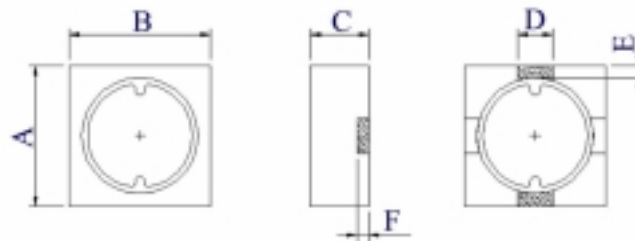
These new SMC Series is designed with the lowest 3.3mm height (Lowest profiles), Low cost and High Performance.

Its high energy storage and very low DC Resistance offer Higher saturated current which is suitable for DC to DC conversion for Notebook, Palm Top, Step up or Step down converters etc.

### Ordering Code:



### Dimension



Type	A	B	C	D (Typ.)	E (Typ.)	F (Typ.)
SMC-7030	7.7mm max	7.6mm max	3.3mm max	1.8mm	0.6mm	1.0mm
SMP-7040	7.7mm max	7.6mm max	4.3mm max	1.8mm	0.6mm	1.0mm
SMP-10040	10.6mm max	10.3mm max	4.0mm max	3.0mm	1.0mm	1.8mm
SMP-10062	10.6mm max	10.3mm max	6.7mm max	3.0mm	1.0mm	1.8mm

### Electrical:

Type	Inductance	Rated Current
SMC-7030-□□□-□	1.2μH to 100μH	2.73 Amps to 0.30Amps
SMC-7040-□□□-□	10.0μH to 1000μH	1.84 Amps to 0.8Amps
SMC-10040-□□□-□	1.5μH to 330μH	10.0 Amps to 0.7Amps
SMC-10062-□□□-□	0.56μH to 5.6μH	18.0 Amps to 6.9Amps

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### ELECTRICAL CHARACTERISTICS

PART NO.	Inductance ( $\mu$ H) $\pm 20\%$	Test Frequency	RDC ( $\Omega$ ) MAX.	Idc (A)
SMC-7030-1R2M	1.2	1 KHz	0.02	2.73
SMC-7030-1R8M	1.8		0.02	2.26
SMC-7030-2R4M	2.4		0.03	1.91
SMC-7030-3R3M	3.3		0.03	1.68
SMC-7030-4R7M	4.7		0.04	1.28
SMC-7030-6R8M	6.8		0.05	1.06
SMC-7030-100M	10.0		0.08	1.04
SMC-7030-120M	12.0		0.10	0.84
SMC-7030-150M	15.0		0.11	0.77
SMC-7030-180M	18.0		0.13	0.67
SMC-7030-220M	22.0		0.18	0.62
SMC-7030-270M	27.0		0.20	0.57
SMC-7030-330M	33.0		0.26	0.51
SMC-7030-390M	39.0		0.30	0.46
SMC7030-470M	47.0		0.41	0.45
SMC7030-560M	56.0		0.43	0.37
SMC7030-680M	68.0		0.50	0.35
SMC7030-820M	82.0		0.72	0.32
SMC7030-101M	100.0		0.78	0.30

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### ELECTRICAL CHARACTERISTICS

PART NO.	Inductance ( $\mu$ H) $\pm 20\%$	Test Frequency	RDC ( $\Omega$ ) MAX.	Idc (A)
SMC-7040-100M	10.0	1 KHz	0.049	1.84
SMC-7040-120M	12.0		0.058	1.71
SMC-7040-150M	15.0		0.081	1.47
SMC-7040-180M	18.0		0.091	1.31
SMC-7040-220M	22.0		0.11	1.23
SMC-7040-270M	27.0		0.15	1.12
SMC-7040-330M	33.0		0.17	0.96
SMC-7040-390M	39.0		0.23	0.91
SMC-7040-470M	47.0		0.26	0.88
SMC-7040-560M	56.0		0.35	0.75
SMC-7040-680M	68.0		0.38	0.69
SMC-7040-820M	82.0		0.43	0.61
SMC-7040-101M	100		0.61	0.60
SMC-7040-121M	120		0.66	0.52
SMC-7040-151M	150		0.88	0.46
SMC-7040-181M	180		0.98	0.42
SMC-7040-221M	220		1.17	0.36
SMC-7040-271M	270		1.64	0.34
SMC-7040-331M	330		1.86	0.32
SMC-7040-391M	390		2.85	0.29
SMC-7040-471M	470		3.01	0.26
SMC-7040-561M	560		3.62	0.23
SMC-7040-681M	680		4.63	0.22
SMC-7040-821M	820		5.20	0.20
SMC-7040-102M	1000		6.00	0.18

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### ELECTRICAL CHARACTERISTICS

PART NO.	Inductance ( $\mu$ H) $\pm 30\%$	Test Frequency	RDC ( $\Omega$ ) MAX.	Idc (A)
SMC-10040-1R5N	1.5	1 KHz	0.0081	10.0
SMC-10040-2R5N	2.5		0.0105	7.50
SMC-10040-3R8N	3.8		0.013	6.00
SMC-10040-5R2N	5.2		0.022	5.50
SMC-10040-7R0N	7.0		0.027	4.80
SMC-10040-100N	10.0		0.035	4.40
SMC-10040-150N	15.0		0.050	3.60
SMC-10040-220N	22.0		0.073	2.90
SMC-10040-330N	33.0		0.093	2.30
SMC-10040-470N	47.0		0.128	2.10
SMC-10040-680N	68.0		0.213	1.50
SMC-10040-101N	100.0		0.304	1.35
SMC-10040-151N	150.0		0.506	1.15
SMC-10040-221N	220.0		0.756	0.92
SMC-10040-331N	330.0		1.09	0.70

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### ELECTRICAL CHARACTERISTICS

PART NO.	Inductance ( $\mu$ H)	Test Frequency	RDC (m $\Omega$ ) MAX.	Idc (A)
SMC-10062-R56N	0.56 $\pm$ 30%	1 KHz	2.8	18.0
SMC-10062-1R0N	1.0 $\pm$ 30%		3.8	14.0
SMC-10062-1R6M	1.6 $\pm$ 20%		6.6	11.0
SMC-10062-2R4M	2.4 $\pm$ 20%		7.7	10.0
SMC-10062-3R3M	3.3 $\pm$ 20%		9.0	8.70
SMC-10062-4R3M	4.3 $\pm$ 20%		11.0	7.50
SMC-10062-5R6M	5.6 $\pm$ 20%		12.0	6.90

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