

MINIATURE SMD CHIP CHOKE COILS

闭磁路贴片电感

Wire Wound SMD Power Inductors

Operating Temp:-20℃ ~ 120℃



特征:

- 磁性胶水涂敷结构极大减少了蜂鸣声
- 直接在磁芯上金属化电极，抗跌落冲击强，经久耐用
- 闭合磁路结构设计，漏磁少，抗 EMI 能力强
- 同等尺寸，额定电流特性较传统电感高出 20%以上
- 省空间，更省电

FEATURES:

- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels
- Metallization on Ferrite Core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI)
- 20% higher current rating than conventional inductors of equal size
- Takes up less PCB real estate and save more power

用途:

- 广泛应用于 LED 背光板、平板电视、蓝光 DVD 机顶盒、笔记本电脑、台式电脑、服务器、显卡、便携式游戏机、个人导航系统、多媒体、汽车产品、通信设备、直流转换。

APPLICATIONS

- LED backlight、Flat-screen TVs, blue-ray disc recorders, set top box、Notebooks, desktop computers, servers, graphic cards、Portable gaming devices, personal navigation systems, personal multimedia devices, Automotive systemsTelecomm base station、DC-DC converter

产品型号:

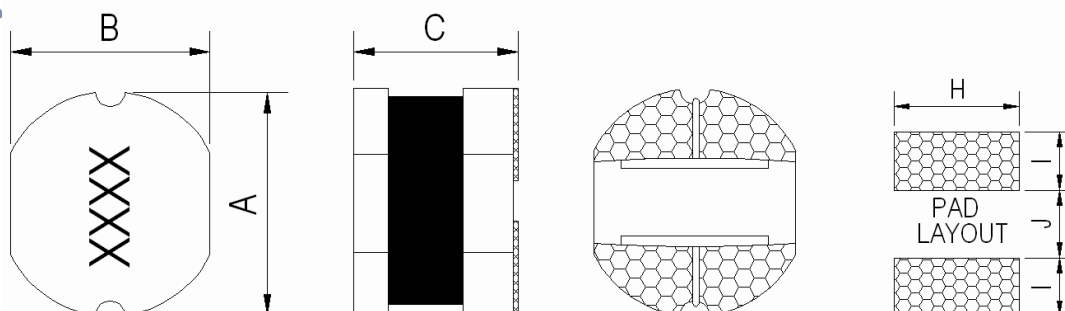
PRODUCT IDENTIFICATION:

SM	5825C	100	K	I
①	②	③	④	⑤

① 类型 Type		② 外形尺寸(LxH) (mm) External Dimensions (LxH) (mm)		③ Inductance
SMxxC	屏蔽贴片功率电感 shielded SMT Power Inductors	5825	5.8x2.5	10 uH

④ Tolerance		⑤ 包装 Packing	
J: ±5%, K: ±10%, L: ±15% M: ±20%, P: ±25%, N: ±30%		B	散装 Bulk Package
		T	编带 Tape & Reel

Shape and Size(Dimension are in mm):



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Part No	A	B	C	H	I	J
SM3011C	3.5±0.3	3.0±0.3	1.1±0.2	3.5	1.6	0.8
SM3016C	3.5±0.3	3.0±0.3	1.6±0.2	3.5	1.6	0.8
SM3815C	4.0±0.3	3.5±0.3	1.5±0.2	3.5	1.7	0.6
SM5011C	5.0±0.3	4.5±0.3	1.1±0.2	4.5	2.0	1.0
SM5019C	5.0±0.3	4.5±0.3	2.9±0.2	4.5	2.0	1.0
SM5029C	5.8±0.3	4.5±0.3	2.9±0.2	4.5	2.0	1.0
SM5825C	5.8±0.3	5.2±0.3	2.5±0.3	5.5	2.15	1.7
SM7835C	7.8±0.3	7.0±0.3	3.5±0.5	7.5	3.0	2.0
SM7850C	7.8±0.3	7.0±0.3	5.0±0.5	7.5	3.0	2.0

SM3011C Series

Part No.	Inductance(uH)			DCR (OHM) Max	Rated DC Current (Amp)Max
	Nominal Value	Tole.	Test Freq.		
SM3011C -1R5N	1.5	N	100KHz/1.0v	0.060	1.55
SM3011C -2R2N	2.2	N	100KHz/1.0v	0.076	1.47
SM3011C -3R3N	3.3	N	100KHz/1.0v	0.122	1.34
SM3011C -4R7N	4.7	N	100KHz/1.0v	0.152	1.22
SM3011C -6R8N	6.8	N	100KHz/1.0v	0.210	0.96
SM3011C -8R2N	8.2	N	100KHz/1.0v	0.232	0.84
SM3011C -100M	10	M	100KHz/1.0v	0.302	0.70
SM3011C -120M	12	M	100KHz/1.0v	0.369	0.65
SM3011C -150M	15	M	100KHz/1.0v	0.462	0.59
SM3011C -220M	22	M	100KHz/1.0v	0.652	0.54
SM3011C -270M	27	M	100KHz/1.0v	0.770	0.48

SM3016C Series

Part No.	Inductance(uH)			DCR (OHM) Max	Rated DC Current (Amp)Max
	Nominal Value	Tole.	Test Freq.		
SM3016C -1R5N	1.5	N	100KHz/1.0v	0.052	1.70
SM3016C -2R2N	2.2	N	100KHz/1.0v	0.083	1.60
SM3016C -3R3N	3.3	N	100KHz/1.0v	0.117	1.40
SM3016C -4R7N	4.7	N	100KHz/1.0v	0.132	1.00
SM3016C -6R8N	6.8	N	100KHz/1.0v	0.197	0.95
SM3016C -8R2N	8.2	N	100KHz/1.0v	0.248	0.92
SM3016C -100M	10	M	100KHz/1.0v	0.318	0.90
SM3016C -120M	12	M	100KHz/1.0v	0.345	0.85
SM3016C -150M	15	M	100KHz/1.0v	0.457	0.75
SM3016C -180M	18	M	100KHz/1.0v	0.515	0.70
SM3016C -220M	22	M	100KHz/1.0v	0.640	0.60
SM3016C -270M	27	M	100KHz/1.0v	0.735	0.55
SM3016C -330M	33	M	100KHz/1.0v	0.990	0.50
SM3016C -390M	39	M	100KHz/1.0v	1.020	0.48

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SM3815C Series

Part No.	Inductance(uH)			DCR (OHM) Max	Rated DC Current (Amp)Max
	Nominal Value	Tole.	Test Freq.		
SM3815C -1R0N	1.0	N	100KHz/1.0v	0.060	2.50
SM3815C -1R5N	1.5	N	100KHz/1.0v	0.065	2.40
SM3815C -2R2N	2.2	N	100KHz/1.0v	0.070	1.71
SM3815C -2R7N	2.7	N	100KHz/1.0v	0.073	1.52
SM3815C -3R3N	3.3	N	100KHz/1.0v	0.080	1.41
SM3815C -4R7N	4.7	N	100KHz/1.0v	0.100	1.10
SM3815C -6R8N	6.8	N	100KHz/1.0v	0.130	0.95
SM3815C -8R2N	8.2	N	100KHz/1.0v	0.140	0.86
SM3815C -100M	10	M	100KHz/1.0v	0.180	0.84
SM3815C -120M	12	M	100KHz/1.0v	0.210	0.82
SM3815C -150M	15	M	100KHz/1.0v	0.230	0.80
SM3815C -180M	18	M	100KHz/1.0v	0.330	0.74
SM3815C -220M	22	M	100KHz/1.0v	0.370	0.68
SM3815C -270M	27	M	100KHz/1.0v	0.520	0.62
SM3815C -330M	33	M	100KHz/1.0v	0.540	0.56
SM3815C -390M	39	M	100KHz/1.0v	0.580	0.52
SM3815C -470M	47	M	100KHz/1.0v	0.840	0.44
SM3815C -560M	56	M	100KHz/1.0v	0.930	0.42
SM3815C -680M	68	M	100KHz/1.0v	1.110	0.37

SM5011C Series

Part No.	Inductance(uH)			DCR (OHM) Max	Rated DC Current (Amp)Max
	Nominal Value	Tole.	Test Freq.		
SM5011C -1R0N	1.0	N	100KHz/1.0v	0.052	2.55
SM5011C -1R5N	1.5	N	100KHz/1.0v	0.056	2.50
SM5011C -2R2N	2.2	N	100KHz/1.0v	0.066	1.76
SM5011C -2R7N	2.7	N	100KHz/1.0v	0.070	1.57
SM5011C -3R3N	3.3	N	100KHz/1.0v	0.078	1.46
SM5011C -4R7N	4.7	N	100KHz/1.0v	0.096	1.15
SM5011C -6R8N	6.8	N	100KHz/1.0v	0.126	1.00
SM5011C -8R2N	8.2	N	100KHz/1.0v	0.132	0.89
SM5011C -100M	10	M	100KHz/1.0v	0.168	0.89
SM5011C -120M	12	M	100KHz/1.0v	0.198	0.86
SM5011C -150M	15	M	100KHz/1.0v	0.206	0.84
SM5011C -180M	18	M	100KHz/1.0v	0.300	0.79
SM5011C -220M	22	M	100KHz/1.0v	0.340	0.73
SM5011C -270M	27	M	100KHz/1.0v	0.500	0.67
SM5011C -330M	33	M	100KHz/1.0v	0.510	0.61
SM5011C -390M	39	M	100KHz/1.0v	0.560	0.57
SM5011C -470M	47	M	100KHz/1.0v	0.810	0.49
SM5011C -560M	56	M	100KHz/1.0v	0.900	0.47

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SM5011C -680M	68	M	100KHz/1.0v	1.060	0.42
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SM5019C Series

Part No.	Inductance(uH)			DCR (OHM) Max	Rated DC Current (Amp)Max
	Nominal Value	Tole.	Test Freq.		
SM5019C -1R2N	1.2	N	100KHz/1.0v	0.05	2.71
SM5019C -2R2N	2.2	N	100KHz/1.0v	0.07	2.52
SM5019C -3R3N	3.3	N	100KHz/1.0v	0.10	1.98
SM5019C -4R7N	4.7	N	100KHz/1.0v	0.14	1.82
SM5019C -6R8N	6.8	N	100KHz/1.0v	0.16	1.61
SM5019C -8R2N	8.2	N	100KHz/1.0v	0.18	1.52
SM5019C -100M	10	M	100KHz/1.0v	0.20	1.30
SM5019C -120M	12	M	100KHz/1.0v	0.23	1.10
SM5019C -150M	15	M	100KHz/1.0v	0.25	1.05
SM5019C -180M	18	M	100KHz/1.0v	0.30	0.98
SM5019C -220M	22	M	100KHz/1.0v	0.35	0.87
SM5019C -270M	27	M	100KHz/1.0v	0.40	0.82
SM5019C -330M	33	M	100KHz/1.0v	0.50	0.73
SM5019C -390M	39	M	100KHz/1.0v	0.55	0.68
SM5019C -470M	47	M	100KHz/1.0v	0.65	0.57
SM5019C -560M	56	M	100KHz/1.0v	0.75	0.52
SM5019C -680M	68	M	100KHz/1.0v	0.95	0.47

SM5029C Series

Part No.	Inductance(uH)			DCR (OHM) Max	Rated DC Current (Amp)Max
	Nominal Value	Tole.	Test Freq.		
SM5029C -1R2N	1.2	N	100KHz/1.0v	0.042	3.05
SM5029C -2R2N	2.2	N	100KHz/1.0v	0.055	2.46
SM5029C -3R3N	3.3	N	100KHz/1.0v	0.078	2.08
SM5029C -4R7N	4.7	N	100KHz/1.0v	0.126	1.85
SM5029C -6R8N	6.8	N	100KHz/1.0v	0.150	1.66
SM5029C -8R2N	8.2	N	100KHz/1.0v	0.158	1.58
SM5029C -100M	10	M	100KHz/1.0v	0.170	1.36
SM5029C -120M	12	M	100KHz/1.0v	0.196	1.15
SM5029C -150M	15	M	100KHz/1.0v	0.220	1.08
SM5029C -180M	18	M	100KHz/1.0v	0.257	1.00
SM5029C -220M	22	M	100KHz/1.0v	0.310	0.93
SM5029C -270M	27	M	100KHz/1.0v	0.340	0.88
SM5029C -330M	33	M	100KHz/1.0v	0.410	0.79
SM5029C -390M	39	M	100KHz/1.0v	0.480	0.74
SM5029C -470M	47	M	100KHz/1.0v	0.620	0.62
SM5029C -560M	56	M	100KHz/1.0v	0.720	0.59
SM5029C -680M	68	M	100KHz/1.0v	0.780	0.54

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SM5825C Series

Part No.	Inductance(uH)			DCR (OHM) Max	Rated DC Current (Amp)Max
	Nominal Value	Tole.	Test Freq.		
SM5825C -1R2N	1.2	N	100KHz/1.0v	0.017	3.60
SM5825C -2R2N	2.2	N	100KHz/1.0v	0.022	3.1
SM5825C -3R3N	3.3	N	100KHz/1.0v	0.032	2.70
SM5825C -4R7N	4.7	N	100KHz/1.0v	0.043	2.20
SM5825C -6R8N	6.8	N	100KHz/1.0v	0.055	1.80
SM5825C -8R2N	8.2	N	100KHz/1.0v	0.062	1.70
SM5825C -100M	10	M	100KHz/1.0v	0.071	1.50
SM5825C -120M	12	M	100KHz/1.0v	0.076	1.30
SM5825C -150M	15	M	100KHz/1.0v	0.081	1.20
SM5825C -180M	18	M	100KHz/1.0v	0.112	1.00
SM5825C -220M	22	M	100KHz/1.0v	0.144	0.90
SM5825C -270M	27	M	100KHz/1.0v	0.267	0.85
SM5825C -330M	33	M	100KHz/1.0v	0.338	0.75
SM5825C -390M	39	M	100KHz/1.0v	0.393	0.70
SM5825C -470M	47	M	100KHz/1.0v	0.486	0.60
SM5825C -560M	56	M	100KHz/1.0v	0.588	0.55
SM5825C -680M	68	M	100KHz/1.0v	0.715	0.50
SM5825C -820M	82	M	100KHz/1.0v	0.936	0.45
SM5825C -101M	100	M	100KHz/1.0v	1.160	0.40
SM5825C -121M	120	M	100KHz/1.0v	1.320	0.35

SM7835C Series

Part No.	Inductance(uH)			DCR (OHM) Max	Rated DC Current (Amp)Max
	Nominal Value	Tole.	Test Freq.		
SM7835C -1R8N	1.8	N	100KHz/1.0v	0.015	6.00
SM7835C -2R5N	2.5	N	100KHz/1.0v	0.017	5.60
SM7835C -3R5N	3.5	N	100KHz/1.0v	0.024	5.00
SM7835C -4R7N	4.7	N	100KHz/1.0v	0.029	4.40
SM7835C -6R0N	6.0	N	100KHz/1.0v	0.032	4.00
SM7835C -100M	10	M	100KHz/1.0v	0.048	3.00
SM7835C -150M	15	M	100KHz/1.0v	0.067	2.50
SM7835C -220M	22	M	100KHz/1.0v	0.105	2.00
SM7835C -330M	33	M	100KHz/1.0v	0.157	1.60
SM7835C -470M	47	M	100KHz/1.0v	0.189	1.42
SM7835C -680M	68	M	100KHz/1.0v	0.290	1.08
SM7835C -121M	120	M	100KHz/1.0v	0.410	0.88

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SM7850C Series

Part No.	Inductance(uH)			DCR (OHM) Max	Rated DC Current (Amp)Max
	Nominal Value	Tole.	Test Freq.		
SM7850C -1R8N	1.8	N	100KHz/1.0v	0.013	6.20
SM7850C -2R5N	2.5	N	100KHz/1.0v	0.015	5.80
SM7850C -3R5N	3.5	N	100KHz/1.0v	0.021	5.20
SM7850C -4R7N	4.7	N	100KHz/1.0v	0.027	4.60
SM7850C -6R0N	6.0	N	100KHz/1.0v	0.030	4.20
SM7850C -100M	10	M	100KHz/1.0v	0.045	3.20
SM7850C -150M	15	M	100KHz/1.0v	0.065	2.70
SM7850C -220M	22	M	100KHz/1.0v	0.100	2.20
SM7850C -330M	33	M	100KHz/1.0v	0.150	1.80
SM7850C -470M	47	M	100KHz/1.0v	0.180	1.52
SM7850C -680M	68	M	100KHz/1.0v	0.280	1.18
SM7850C -121M	120	M	100KHz/1.0v	0.400	1.00