

贴片功率电感—SM系列

SMD Power Inductors – SM Series

Operating Temp.: -30°C ~ +100°C



特征

- 良好的可焊性及耐热性
- 优异的端电极强度
- 卷轴包装，适合表面贴装

FEATURES

- Excellent soldering capability and high heat resistance.
- Excellent terminal strength.
- Packed in embossed carrier tape and can be used by surface mounting machine.

用途

- 电脑及周边设备、VCR、VCD、DVD、照相机、办公设备等各类电子设备的数字信号的波形，及接口部位的噪声控制

APPLICATIONS

- Noise suppression in digital equipment such as computer and its peripheral devices, VCR, VCD, DVD, camera, OA equipments, etc.

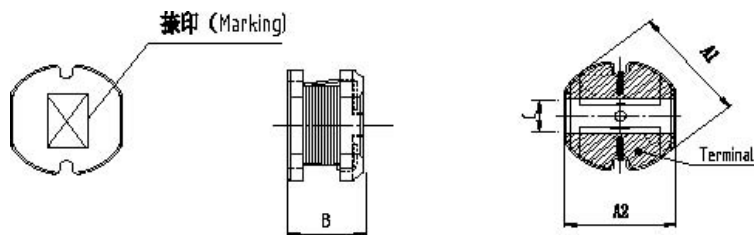
产品型号

PRODUCT IDENTIFICATION

① SM	② 3521	③ 220	④ K	⑤ I	⑥ E																																							
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外观尺寸

SHAPE AND DIMENSIONS



TYPE	DIMENSIONS (Unit: mm)			
	A1(±0.3)	A2(±0.3)	B(±0.3)	C (REF)
SM3521	3.5	3.0	2.1	1.0
SM4532	4.5	4.0	3.2	1.4
SM5820	5.8	5.2	2.0	1.6
SM5830	5.8	5.2	3.0	1.6
SM5845	5.8	5.2	4.5	1.6
SM7835	7.8	7.0	3.0	2.4
SM7850	7.8	7.0	5.0	2.4
SM1040	10.0	9.0	4.0	3.1
SM1054	10.0	9.0	5.4	3.1

SM3521 TYPE

Part Number 型号	Inductance 电感量	L TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	IDC (A) MAX 额定电流
Units 单位	μ H	-	Ω	A
Symbol 符号	L	Freq.	DCR	I _r
SM3521-100K	10	100 KHz	0.230	0.760
SM3521-120K	12	100 KHz	0.270	0.685
SM3521-150K	15	100 KHz	0.310	0.635
SM3521-180K	18	100 KHz	0.410	0.525
SM3521-220K	22	100 KHz	0.470	0.500
SM3521-270K	27	100 KHz	0.680	0.405
SM3521-330K	33	100 KHz	0.760	0.380
SM3521-390K	39	100 KHz	0.850	0.355
SM3521-470K	47	100 KHz	0.970	0.330
SM3521-560K	56	100 KHz	1.250	0.290
SM3521-680K	68	100 KHz	1.450	0.275
SM3521-820K	82	100 KHz	1.850	0.235
SM3521-101K	100	100 KHz	0.220	0.220
SM3521-121K	120	100 KHz	0.185	0.185
SM3521-151K	150	100 KHz	0.170	0.170
SM3521-181K	180	100 KHz	0.165	0.165
SM3521-221K	220	100 KHz	0.155	1.155
SM3521-271K	270	100 KHz	0.135	0.135
SM3521-331K	330	100 MHz	0.125	0.125

SM4532 TYPE

Part Number 型号	Inductance 电感量	L TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	IDC (A) MAX 额定电流
Units 单位	μ H	-	Ω	A
Symbol 符号	L	Freq.	DCR	I _r
SM4532-1R0M	1.0	7.96 MHz	0.033	3.80
SM4532-1R4M	1.4	7.96 MHz	0.038	3.30
SM4532-1R8M	1.8	7.96 MHz	0.042	2.91
SM4532-2R2M	2.2	7.96 MHz	0.047	2.60
SM4532-2R7M	2.7	7.96 MHz	0.052	2.43
SM4532-3R3M	3.3	7.96 MHz	0.058	2.15
SM4532-3R9M	3.9	7.96 MHz	0.076	1.98
SM4532-4R7M	4.7	7.96 MHz	0.094	1.70
SM4532-5R6M	5.6	7.96 MHz	0.101	1.60
SM4532-6R8M	6.8	7.96 MHz	0.117	1.41
SM4532-8R2M	8.2	7.96 MHz	0.132	1.26
SM4532-100M	10	2.52 MHz	0.182	1.15
SM4532-120M	12	2.52 MHz	0.21	1.05
SM4532-150M	15	2.52 MHz	0.235	0.92
SM4532-180M	18	2.52 MHz	0.338	0.84
SM4532-220M	22	2.52 MHz	0.378	0.76
SM4532-270M	27	2.52 MHz	0.522	0.71
SM4532-330M	33	2.52 MHz	0.54	0.64
SM4532-390M	39	2.52 MHz	0.587	0.59
SM4532-470M	47	2.52 MHz	0.844	0.54
SM4532-560M	56	2.52 MHz	0.937	0.5
SM4532-680M	68	2.52 MHz	1.117	0.46
SM4532-820M	82	2.52 MHz	1.2	0.48

SM5820 TYPE

Part Number 型号	Inductance 电感量	L TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	IDC (A) MAX 额定电流
Units 单位	μ H	-	Ω	A
Symbol 符号	L	Freq	DCR	I _r
SM5820-2R2M	2.2	7.96MHz	0.039	2.16
SM5820-2R7M	2.7	7.96MHz	0.044	2.08
SM5820-3R3M	3.3	7.96MHz	0.049	1.90
SM5820-3R9M	3.9	7.96MHz	0.056	1.84
SM5820-4R7M	4.7	7.96MHz	0.062	1.60
SM5820-5R6M	5.6	7.96MHz	0.078	1.44
SM5820-6R8M	6.8	7.96MHz	0.091	1.36
SM5820-8R2M	8.2	7.96MHz	0.103	1.12
SM5820-100K	10	7.96MHz	0.133	1.04
SM5820-120K	12	7.96MHz	0.148	0.96
SM5820-150K	15	7.96MHz	0.166	0.88
SM5820-180K	18	7.96MHz	0.213	0.77
SM5820-220K	22	7.96MHz	0.248	0.73
SM5820-270K	27	7.96MHz	0.328	0.64
SM5820-330K	33	7.96MHz	0.378	0.58
SM5820-390K	39	7.96MHz	0.438	0.54
SM5820-470K	47	7.96MHz	0.546	0.49
SM5820-560K	56	7.96MHz	0.621	0.45
SM5820-680K	68	7.96MHz	0.715	0.41
SM5820-820K	82	7.96MHz	1.000	0.35
SM5820-101K	100	1KHz	1.070	0.34
SM5820-121K	120	1KHz	1.250	0.32
SM5820-151K	150	1KHz	1.660	0.26
SM5820-181K	180	1KHz	1.900	0.23
SM5820-221K	220	1KHz	2.440	0.21
SM5820-271K	270	1KHz	2.730	0.19

SM5830 TYPE

Part Number 型号	Inductance 电感量	L TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	IDC (A) MAX 额定电流
Units 单位	μ H	-	Ω	A
Symbol 符号	L	Freq	DCR	I _r
SM5830-1R0M	1.0	7.96MHz	0.03	4.50
SM5830-1R5M	1.5	7.96MHz	0.03	4.10
SM5830-2R2M	2.2	7.96MHz	0.03	3.50
SM5830-2R7M	2.7	7.96MHz	0.04	3.20
SM5830-3R3M	3.3	7.96MHz	0.05	2.80
SM5830-3R9M	3.9	7.96MHz	0.06	2.60
SM5830-4R7M	4.7	7.96MHz	0.07	2.50
SM5830-5R6M	5.6	7.96MHz	0.08	2.40
SM5830-6R8M	6.8	7.96MHz	0.09	2.20
SM5830-8R2M	8.2	7.96MHz	0.10	2.00
SM5830-100K	10	2.52MHz	0.12	1.80
SM5830-120K	12	2.52MHz	0.13	1.75
SM5830-150K	15	2.52MHz	0.15	1.70
SM5830-180K	18	2.52MHz	0.18	1.60
SM5830-220K	22	2.52MHz	0.22	1.50
SM5830-270K	27	2.52MHz	0.24	1.40
SM5830-330K	33	2.52MHz	0.30	1.00
SM5830-390K	39	2.52MHz	0.40	1.00

SM5830 TYPE

Part Number 型号	Inductance 电感量	L TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	IDC (A) MAX 额定电流
Units 单位	μ H	-	Ω	A
Symbol 符号	L	Freq	DCR	I _r
SM5830-470K	47	2.52MHz	0.43	0.90
SM5830-560K	56	2.52MHz	0.50	0.85
SM5830-680K	68	2.52MHz	0.60	0.80
SM5830-820K	82	2.52MHz	0.80	0.65
SM5830-101K	100	1KHz	0.90	0.60
SM5830-121K	120	1KHz	1.00	0.58
SM5830-151K	150	1KHz	1.30	0.43
SM5830-181K	180	1KHz	1.50	0.41
SM5830-221K	220	1KHz	2.00	0.38
SM5830-271K	270	1KHz	2.50	0.35
SM5830-331K	330	1KHz	3.20	0.28
SM5830-391K	390	1KHz	3.50	0.26
SM5830-471K	470	1KHz	4.20	0.20

SM5845 TYPE

Part Number 型号	Inductance 电感量	L TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	IDC (A) MAX 额定电流
Units 单位	μ H	-	Ω	A
Symbol 符号	L	Freq	DCR	I _r
SM5845-1R0M	1.0	7.96MHz	0.02	5.90
SM5845-1R5M	1.5	7.96MHz	0.03	4.70
SM5845-1R8M	1.8	7.96MHz	0.03	4.00
SM5845-2R2M	2.2	7.96MHz	0.04	3.80
SM5845-2R7M	2.7	7.96MHz	0.04	3.40
SM5845-3R3M	3.3	7.96MHz	0.05	3.30
SM5845-3R9M	3.9	7.96MHz	0.05	2.90
SM5845-4R7M	4.7	7.96MHz	0.06	2.80
SM5845-5R6M	5.6	7.96MHz	0.07	2.40
SM5845-6R8M	6.8	7.96MHz	0.08	2.10
SM5845-8R2M	8.2	7.96MHz	0.09	2.00
SM5845-100K	10	2.52MHz	0.10	1.44
SM5845-120K	12	2.52MHz	0.12	1.40
SM5845-150K	15	2.52MHz	0.14	1.30
SM5845-180K	18	2.52MHz	0.15	1.23
SM5845-220K	22	2.52MHz	0.18	1.11
SM5845-270K	27	2.52MHz	0.20	0.97
SM5845-330K	33	2.52MHz	0.23	0.88
SM5845-390K	39	2.52MHz	0.32	0.80
SM5845-470K	47	2.52MHz	0.37	0.72
SM5845-560K	56	2.52MHz	0.42	0.68
SM5845-680K	68	2.52MHz	0.46	0.61
SM5845-820K	82	2.52MHz	0.60	0.58
SM5845-101K	100	1KHz	0.70	0.52
SM5845-121K	120	1KHz	0.93	0.48
SM5845-151K	150	1KHz	1.10	0.40
SM5845-181K	180	1KHz	1.38	0.38
SM5845-221K	220	1KHz	1.57	0.35
SM5845-271K	270	1KHz	1.65	0.32
SM5845-331K	330	1KHz	1.70	0.28
SM5845-391K	390	1KHz	1.80	0.26

SM7835 TYPE

Part Number 型号	Inductance 电感量	L TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	IDC (A) MAX 额定电流
Units 单位	μ H	-	Ω	A
Symbol 符号	L	Freq	DCR	I _r
SM7835-100M	10	2.52MHz	0.08	1.44
SM7835-120M	12	2.52MHz	0.09	1.39
SM7835-150M	15	2.52MHz	0.10	1.24
SM7835-220K	22	2.52MHz	0.11	1.12
SM7835-270K	27	2.52MHz	0.13	1.07
SM7835-330K	33	2.52MHz	0.15	0.94
SM7835-390K	39	2.52MHz	0.17	0.85
SM7835-470K	47	2.52MHz	0.22	0.74
SM7835-560K	56	2.52MHz	0.25	0.68
SM7835-680K	68	2.52MHz	0.28	0.64
SM7835-820K	82	2.52MHz	0.33	0.59
SM7835-101K	100	1KHz	0.48	0.51
SM7835-121K	120	1KHz	0.54	0.49
SM7835-151K	150	1KHz	0.75	0.40
SM7835-181K	180	1KHz	1.02	0.36
SM7835-221K	220	1KHz	1.20	0.31
SM7835-271K	270	1KHz	1.31	0.29
SM7835-331K	330	1KHz	1.50	0.28

SM7850 TYPE

Part Number 型号	Inductance 电感量	L TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	IDC (A) MAX 额定电流
Units 单位	μ H	-	Ω	A
Symbol 符号	L	Freq	DCR	I _r
SM7850-100M	10	2.52MHz	0.07	2.3
SM7850-120M	12	2.52MHz	0.08	2.0
SM7850-150M	15	2.52MHz	0.09	1.8
SM7850-180M	18	2.52MHz	0.10	1.60
SM7850-220K	22	2.52MHz	0.11	1.50
SM7850-270K	27	2.52MHz	0.12	1.30
SM7850-330K	33	2.52MHz	0.13	1.20
SM7850-390K	39	2.52MHz	0.16	1.10
SM7850-470K	47	2.52MHz	0.18	1.10
SM7850-560K	56	2.52MHz	0.24	0.94
SM7850-680K	68	2.52MHz	0.28	0.85
SM7850-820K	82	2.52MHz	0.37	0.78
SM7850-101K	100	1KHz	0.43	0.72
SM7850-121K	120	1KHz	0.47	0.66
SM7850-151K	150	1KHz	0.64	0.58
SM7850-181K	180	1KHz	0.71	0.51
SM7850-221K	220	1KHz	0.96	0.49
SM7850-271K	270	1KHz	1.11	0.42
SM7850-331K	330	1KHz	1.26	0.40
SM7850-391K	390	1KHz	1.77	0.36
SM7850-471K	470	1KHz	1.96	0.34

SM1040 TYPE

Part Number 型号	Inductance 电感量	L TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	IDC (A) MAX 额定电流
Units 单位	μ H	-	Ω	A
Symbol 符号	L	Freq	DCR	I _r
SM1040-100M	10	2.52MHz	0.05	2.38
SM1040-120M	12	2.52MHz	0.06	2.13
SM1040-150M	15	2.52MH	0.07	1.87
SM1040-180M	18	2.52MH	0.08	1.73
SM1040-220K	22	2.52MH	0.09	1.60
SM1040-270K	27	2.52MH	0.01	1.44
SM1040-330K	33	2.52MH	0.12	1.26
SM1040-390K	39	2.52MH	0.15	1.20
SM1040-470K	47	2.52MH	0.17	1.10
SM1040-560K	56	2.52MH	0.20	1.01
SM1040-680K	68	2.52MH	0.22	0.91
SM1040-820K	82	2.52MH	0.25	0.85
SM1040-101K	100	1KHz	0.34	0.74
SM1040-121K	120	1KHz	0.40	0.69
SM1040-151K	150	1KHz	0.54	0.61
SM1040-181K	180	1KHz	0.62	0.56
SM1040-221K	220	1KHz	0.72	0.53
SM1040-271K	270	1KHz	0.95	0.45
SM1040-331K	330	1KHz	1.10	0.42

SM1054 TYPE

Part Number 型号	Inductance 电感量	L TEST Freq 测试频率	DCR (Ω) MAX 直流电阻	IDC (A) MAX 额定电流
Units 单位	μ H	-	Ω	A
Symbol 符号	L	Freq	DCR	I _r
SM1054-100M	10	2.52MHz	0.06	2.60
SM1054-120M	12	2.52MHz	0.07	2.45
SM1054-150M	15	2.52MHz	0.08	2.27
SM1054-180M	18	2.52MHz	0.09	2.15
SM1054-220K	22	2.52MHz	0.10	1.95
SM1054-270K	27	2.52MHz	0.11	1.76
SM1054-330K	33	2.52MHz	0.12	1.50
SM1054-390K	39	2.52MHz	0.14	1.37
SM1054-470K	47	2.52MHz	0.17	1.28
SM1054-560K	56	2.52MHz	0.19	1.17
SM1054-680K	68	2.52MHz	0.22	1.11
SM1054-820K	82	2.52MHz	0.25	1.00
SM1054-101K	100	1KHz	0.35	0.97
SM1054-121K	120	1KHz	0.4	0.89
SM1054-151K	150	1KHz	0.47	0.78
SM1054-181K	180	1KHz	0.63	0.72
SM1054-221K	220	1KHz	0.73	0.66
SM1054-271K	270	1KHz	0.97	0.57
SM1054-331K	330	1KHz	1.15	0.52
SM1054-391K	390	1KHz	1.30	0.48

※ The maximum rated current is a DC current which causes initial inductance to decrease by 10% or temperature to rise by 40°C, whichever is lower(at ambient temperature:20°C).The parameters of list are typical, atypical parameters can be customized according to customer's requirements.