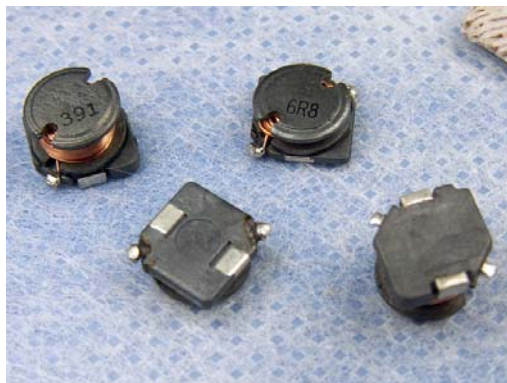


SMD UNSHIELDED POWER INDUCTORS

COMPONENT

PRODUCT IDENTIFICATION



SDBN 73F - 1R0 K

A B C D

A : SMD POWER CHOKE

B : DIMENSION CODE

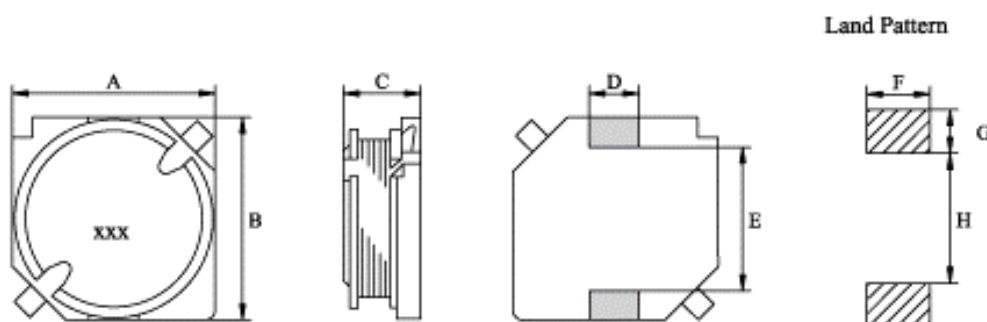
C : INDUCTANCE CODE

D : TOLERANCE(K:10%,L:15%,M:20%,N:30%)

APPLICATIONS

Excellent for power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment.

SHAPES & DIMENSIONS



TPYE	A ±0.3	B ±0.3	C ±0.3	D ±0.2	E ±0.2	F ±0.2
SDBN63F	6.0	6.0	2.9	2.0	1.5	3.0
SDBN64F	6.0	6.0	3.9	2.0	1.5	3.0
SDBN65F	6.0	6.0	4.9	2.0	1.5	3.0
SDBN73F	7.0	7.0	3.0	2.0	1.5	4.0
SDBN75F	7.0	7.0	4.6	2.0	1.5	4.0
SDBN103F	10	10	3.0	2.4	2.0	6.0
SDBN104F	10	10	4.6	2.4	2.0	6.0

SMD UNSHIELDED POWER INDUCTORS

COMPONENT

ELECTRICAL CHARACTERISTICS

SDBN 63F/64F/65F SERIES

Inductance		63F			64F			65F		
Code	(uH)	Test Freq. (Hz)	RDC(Ω) Max.	IDC(A) Max.	Test Freq. (Hz)	RDC(Ω) Max.	IDC(A) Max.	Test Freq. (Hz)	RDC(Ω) Max.	IDC(A) Max.
1R2M	1.20	100K	0.025	2.80	100K	0.025	3.00	100K	0.028	3.50
1R5M	1.50	100K	0.028	2.60	-	-	-	100K	0.030	3.00
1R8M	1.80	-	-	-	100K	0.030	2.85	-	-	-
2R2M	2.20	100K	0.030	2.30	100K	0.035	2.65	100K	0.035	2.70
3R3M	3.30	100K	0.055	2.00	100K	0.040	2.35	100K	0.042	2.50
4R7M	4.70	100K	0.065	1.85	100K	0.045	2.15	100K	0.050	2.20
6R8M	6.80	100K	0.090	1.65	100K	0.060	1.85	100K	0.060	2.00
100M	10.00	100K	0.115	1.45	100K	0.085	1.60	100K	0.070	1.80
120M	12.00	100K	0.150	1.20	100K	0.090	1.50	100K	0.080	1.60
150M	15.00	100K	0.180	1.15	100K	0.110	1.45	100K	0.090	1.50
180M	18.00	100K	0.230	1.05	100K	0.120	1.30	100K	0.095	1.30
220M	22.00	100K	0.250	1.00	100K	0.160	1.25	100K	0.110	1.20
270M	27.00	100K	0.350	0.95	100K	0.190	1.10	100K	0.130	1.10
330K	33.00	100K	0.380	0.90	100K	0.280	1.00	100K	0.180	1.00
390K	39.00	100K	0.410	0.80	100K	0.300	0.90	100K	0.210	0.90
470K	47.00	100K	0.430	0.75	100K	0.330	0.85	100K	0.220	0.80
560K	56.00	100K	0.620	0.70	100K	0.410	0.80	100K	0.250	0.75
680K	68.00	100K	0.710	0.60	100K	0.450	0.70	100K	0.300	0.70
820K	82.00	100K	0.730	0.50	100K	0.600	0.60	100K	0.390	0.60
101K	100.00	100K	1.050	0.48	100K	0.660	0.55	100K	0.430	0.55
121K	120.00	100K	1.180	0.45	100K	0.720	0.50	100K	0.500	0.50
151K	150.00	100K	1.800	0.40	100K	1.050	0.45	100K	0.620	0.45
181K	180.00	100K	1.950	0.35	100K	1.150	0.40	100K	0.690	0.40
221K	220.00	100K	2.960	0.30	100K	1.250	0.35	100K	0.890	0.38
271K	270.00	100K	3.450	0.28	100K	1.800	0.30	100K	1.000	0.35
331K	330.00	100K	3.800	0.26	100K	1.950	0.28	100K	1.400	0.32
391K	390.00	100K	4.000	0.24	100K	2.780	0.25	100K	1.500	0.30
471K	470.00	100K	4.400	0.22	100K	2.980	0.23	100K	2.000	0.28
561K	560.00	100K	6.200	0.20	100K	3.300	0.21	100K	2.300	0.25
681K	680.00	100K	6.800	0.18	100K	5.100	0.20	100K	3.200	0.20
821K	820.00	100K	12.00	0.16	100K	5.400	0.18	100K	3.500	0.18
102K	1000.00	100K	13.50	0.14	100K	6.000	0.16	100K	4.100	0.16

※ Test Freq. : 100KHz / 1V

※ Operating Temp. : -40°C ~ +85°C

※ Inductance drop = 10%typ. at IDC.

SMD UNSHIELDED POWER INDUCTORS

COMPONENT

ELECTRICAL CHARACTERISTICS

SDBN 73F/75F SERIES

Inductance		73F			75F		
Code	(μ H)	Test Freq. (Hz)	RDC(Ω) Max.	IDC(A) Max.	Test Freq. (Hz)	RDC(Ω) Max.	IDC(A) Max.
1R0M	1.00	100K	0.020	3.20	100K	0.023	3.50
1R5M	1.50	100K	0.025	2.80	100K	0.028	3.20
2R2M	2.20	100K	0.035	2.50	100K	0.033	3.30
3R3M	3.30	100K	0.040	2.20	100K	0.040	2.70
4R7M	4.70	100K	0.045	2.00	100K	0.050	2.50
6R8M	6.80	100K	0.060	1.60	100K	0.060	2.20
100M	10.00	100K	0.080	1.40	100K	0.075	2.00
120M	12.00	100K	0.085	1.30	100K	0.085	1.90
150L	15.00	100K	0.110	1.10	100K	0.090	1.50
180L	18.00	100K	0.130	1.05	100K	0.100	1.40
220L	22.00	100K	0.150	1.00	100K	0.120	1.30
270L	27.00	100K	0.190	0.95	100K	0.150	1.20
330L	33.00	100K	0.210	0.85	100K	0.180	1.10
390L	39.00	100K	0.270	0.75	100K	0.190	1.00
470L	47.00	100K	0.310	0.70	100K	0.220	0.90
560K	56.00	100K	0.390	0.65	100K	0.250	0.85
680K	68.00	100K	0.430	0.60	100K	0.270	0.80
820K	82.00	100K	0.490	0.50	100K	0.380	0.70
101K	100.00	100K	0.650	0.45	100K	0.420	0.65
121K	120.00	100K	0.700	0.40	100K	0.520	0.60
151K	150.00	100K	0.850	0.35	100K	0.580	0.50
181K	180.00	100K	1.100	0.33	100K	0.650	0.45
221K	220.00	100K	1.250	0.30	100K	0.880	0.40
271K	270.00	100K	1.450	0.28	100K	0.990	0.35
331K	330.00	100K	2.000	0.25	100K	1.100	0.32
391K	390.00	100K	2.250	0.23	100K	1.400	0.30
471K	470.00	100K	2.600	0.22	100K	1.900	0.28
561K	560.00	100K	3.700	0.20	100K	2.200	0.25
681K	680.00	100K	4.300	0.18	100K	2.500	0.22
821K	820.00	100K	4.900	0.16	100K	2.900	0.20
102K	1000.00	100K	5.600	0.15	100K	4.000	0.18

※ Test Freq. : 100KHz / 1V

※ Operating Temp. : -40°C ~ +85°C

※ Inductance drop = 10% typ. at IDC.

SMD UNSHIELDED POWER INDUCTORS

COMPONENT

ELECTRICAL CHARACTERISTICS

SDBN 103F/104F SERIES

Inductance		103F			104F		
Code	(μ H)	Test Freq.(Hz)	RDC(Ω) Max.	IDC(A) Max.	Test Freq.(Hz)	RDC(Ω) Max.	IDC(A) Max.
1R8M	1.80	100K	0.027	4.00	100K	0.023	5.50
2R7M	2.70	100K	0.030	3.65	100K	0.025	5.00
3R9M	3.90	100K	0.035	3.15	100K	0.030	4.50
4R7M	4.70	100K	0.040	3.00	100K	0.035	4.00
6R8M	6.80	100K	0.050	2.35	100K	0.040	3.80
100M	10.00	100K	0.060	2.00	100K	0.050	3.30
120M	12.00	100K	0.080	2.20	100K	0.055	3.20
150M	15.00	100K	0.100	1.75	100K	0.065	3.00
180L	18.00	100K	0.110	1.70	100K	0.070	2.70
220L	22.00	100K	0.140	1.60	100K	0.080	2.60
270L	27.00	100K	0.160	1.40	100K	0.090	2.40
330L	33.00	100K	0.210	1.20	100K	0.110	2.00
390L	39.00	100K	0.235	1.10	100K	0.120	1.90
470L	47.00	100K	0.280	1.00	100K	0.130	1.80
560L	56.00	100K	0.320	0.90	100K	0.180	1.60
680L	68.00	100K	0.370	0.85	100K	0.210	1.40
820L	82.00	100K	0.430	0.74	100K	0.240	1.30
101K	100.00	100K	0.560	0.70	100K	0.290	1.20
121K	120.00	100K	0.640	0.60	100K	0.340	1.10
151K	150.00	100K	0.730	0.55	100K	0.470	1.00
181K	180.00	100K	0.960	0.50	100K	0.530	0.90
221K	220.00	100K	1.100	0.48	100K	0.730	0.80
271K	270.00	100K	1.240	0.45	100K	0.830	0.70
331K	330.00	100K	1.640	0.38	100K	0.990	0.65
391K	390.00	100K	1.790	0.35	100K	1.100	0.60
471K	470.00	100K	2.050	0.30	100K	1.250	0.55
561K	560.00	100K	2.890	0.29	100K	1.600	0.50
681K	680.00	100K	3.240	0.27	100K	1.800	0.45
821K	820.00	100K	3.700	0.25	100K	2.060	0.40
102K	1000.00	100K	7.000	0.24	100K	2.800	0.38

※ Test Freq. : 100KHz / 1V

※ Operating Temp. : -40°C~+85°C

※ Inductance drop = 10%typ. at IDC.