



SMD Shielded Power Inductor

SDS Series



Features

- Magnetically shielded construction
- Low resistance and high energy storage

Application

- VTR, OA equipment, LCD television set, Notebook, portable communication equipments, DC/DC converters, etc

Part Numbering

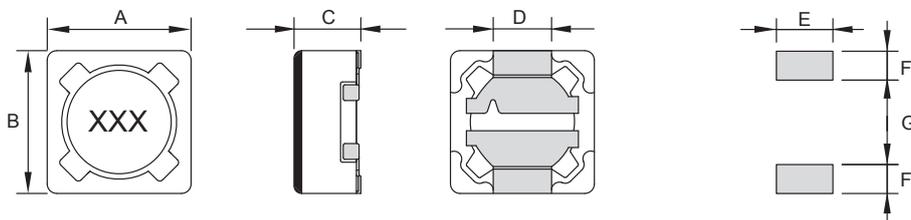
SDS
124
- 3R3
M
-
□
A

1
2
3
4
5
6

- 1 Product Group
- 2 Dimension Code
- 3 Inductance Code: R means decimal point
- 4 Ex: 3R3→3.3μH
Inductance Tolerance M=±20%, N=±30%
- 5 Control Code
- 6 Automobile Code

General Technical Data

SDS73 / SDS74



Unit: mm

Type	A	B	C	D	E	F	G
SDS73	7.30±0.20	7.30±0.20	3.40 (Max.)	1.80 (Typ.)	2.20	2.00	4.40
SDS74	7.30±0.20	7.30±0.20	4.50 (Max.)	1.80 (Typ.)	2.20	2.00	4.40

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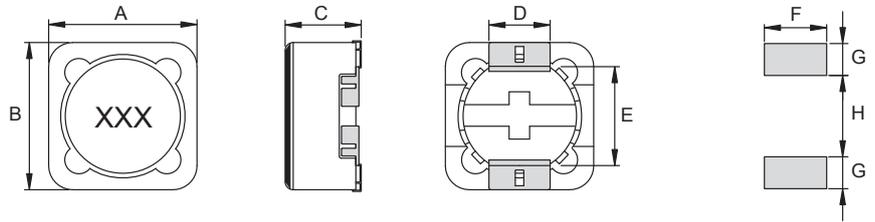


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Shapes and Dimension

SDS124 / SDS125 / SDS127



Unit: mm

Type	A	B	C	D	E	F	G	H
SDS124	12.50 (Max.)	12.50 (Max.)	4.50 (Max.)	5.00 (Typ.)	7.60 (Typ.)	5.40	3.00	7.00
SDS125	12.50 (Max.)	12.50 (Max.)	6.00 (Max.)	5.00 (Typ.)	7.60 (Typ.)	5.40	3.00	7.00
SDS127	12.50 (Max.)	12.50 (Max.)	8.00 (Max.)	5.00 (Typ.)	7.60 (Typ.)	5.40	3.00	7.00

General Technical Data

Operating Temperature Range	-40°C~+105°C
Storage Temperature	40°C Max., 70%RHMax.

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Electrical Characteristics

Part Number	Inductance	Test Frequency	DC Resistance (RDC) Max.	Rated Current (IDC) Max.
SDS73 Series				
SDS73-1R5M-□	1.50μH±20%	1KHz	0.030Ω	4.00A
SDS73-2R2M-□	2.20μH±20%	1KHz	0.030Ω	4.00A
SDS73-3R3M-□	3.30μH±20%	1KHz	0.040Ω	3.70A
SDS73-6R8M-□	6.80μH±20%	1KHz	0.060Ω	2.00A
SDS73-100M-□	10.00μH±20%	1KHz	0.072Ω	1.68A
SDS73-120M-□	12.00μH±20%	1KHz	0.098Ω	1.52A
SDS73-150M-□	15.00μH±20%	1KHz	0.130Ω	1.33A
SDS73-180M-□	18.00μH±20%	1KHz	0.140Ω	1.20A
SDS73-220M-□	22.00μH±20%	1KHz	0.190Ω	1.07A
SDS73-270M-□	27.00μH±20%	1KHz	0.210Ω	0.96A
SDS73-330M-□	33.00μH±20%	1KHz	0.240Ω	0.91A
SDS73-390M-□	39.00μH±20%	1KHz	0.320Ω	0.77A
SDS73-470M-□	47.00μH±20%	1KHz	0.360Ω	0.76A
SDS73-560M-□	56.00μH±20%	1KHz	0.470Ω	0.68A
SDS73-680M-□	68.00μH±20%	1KHz	0.520Ω	0.61A
SDS73-820M-□	82.00μH±20%	1KHz	0.690Ω	0.57A
SDS73-101M-□	100.00μH±20%	1KHz	0.790Ω	0.50A
SDS73-121M-□	120.00μH±20%	1KHz	0.890Ω	0.49A
SDS73-151M-□	150.00μH±20%	1KHz	1.270Ω	0.43A
SDS73-181M-□	180.00μH±20%	1KHz	1.450Ω	0.39A
SDS73-221M-□	220.00μH±20%	1KHz	1.650Ω	0.35A
SDS73-271M-□	270.00μH±20%	1KHz	2.310Ω	0.32A
SDS73-331M-□	330.00μH±20%	1KHz	2.620Ω	0.28A
SDS73-391M-□	390.00μH±20%	1KHz	2.940Ω	0.26A
SDS73-471M-□	470.00μH±20%	1KHz	4.180Ω	0.24A
SDS73-561M-□	560.00μH±20%	1KHz	4.670Ω	0.22A
SDS73-681M-□	680.00μH±20%	1KHz	5.730Ω	0.19A
SDS73-821M-□	820.00μH±20%	1KHz	6.540Ω	0.18A
SDS73-102M-□	1000.00μH±20%	1KHz	9.440Ω	0.16A

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SDS74 Series				
SDS74-1R5M-□	1.50μH±20%	1KHz	0.020Ω	5.00A
SDS74-1R8M-□	1.80μH±20%	1KHz	0.025Ω	4.00A
SDS74-2R2M-□	2.20μH±20%	1KHz	0.025Ω	3.50A
SDS74-2R7M-□	2.70μH±20%	1KHz	0.030Ω	3.50A
SDS74-3R3M-□	3.30μH±20%	1KHz	0.035Ω	3.50A
SDS74-3R6M-□	3.60μH±20%	1KHz	0.035Ω	3.20A
SDS74-4R7M-□	4.70μH±20%	1KHz	0.035Ω	3.00A
SDS74-6R8M-□	6.80μH±20%	1KHz	0.045Ω	2.50A
SDS74-100M-□	10.00μH±20%	1KHz	0.049Ω	1.84A
SDS74-120M-□	12.00μH±20%	1KHz	0.058Ω	1.71A
SDS74-150M-□	15.00μH±20%	1KHz	0.081Ω	1.47A
SDS74-180M-□	18.00μH±20%	1KHz	0.091Ω	1.31A
SDS74-220M-□	22.00μH±20%	1KHz	0.110Ω	1.23A
SDS74-270M-□	27.00μH±20%	1KHz	0.150Ω	1.12A
SDS74-330M-□	33.00μH±20%	1KHz	0.170Ω	0.96A
SDS74-390M-□	39.00μH±20%	1KHz	0.230Ω	0.91A
SDS74-470M-□	47.00μH±20%	1KHz	0.260Ω	0.88A
SDS74-560M-□	56.00μH±20%	1KHz	0.350Ω	0.75A
SDS74-680M-□	68.00μH±20%	1KHz	0.380Ω	0.69A
SDS74-820M-□	82.00μH±20%	1KHz	0.430Ω	0.61A
SDS74-101M-□	100.00μH±20%	1KHz	0.610Ω	0.60A
SDS74-121M-□	120.00μH±20%	1KHz	0.660Ω	0.52A
SDS74-151M-□	150.00μH±20%	1KHz	0.880Ω	0.46A
SDS74-181M-□	180.00μH±20%	1KHz	0.980Ω	0.42A
SDS74-221M-□	220.00μH±20%	1KHz	1.170Ω	0.36A
SDS74-271M-□	270.00μH±20%	1KHz	1.640Ω	0.34A
SDS74-331M-□	330.00μH±20%	1KHz	1.860Ω	0.32A
SDS74-391M-□	390.00μH±20%	1KHz	2.850Ω	0.29A
SDS74-471M-□	470.00μH±20%	1KHz	3.010Ω	0.26A
SDS74-561M-□	560.00μH±20%	1KHz	3.620Ω	0.23A
SDS74-681M-□	680.00μH±20%	1KHz	4.630Ω	0.22A
SDS74-821M-□	820.00μH±20%	1KHz	5.200Ω	0.20A
SDS74-102M-□	1000.00μH±20%	1KHz	6.000Ω	0.18A

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AEC
Q200

Part Number	Inductance	Test Frequency	DC Resistance (RDC) Max.	Rated Current (IDC) Max.
SDS124 Series				
SDS124-3R3M-□A	3.30μH±20%	100KHz	0.015Ω	6.50A
SDS124-3R9M-□A	3.90μH±20%	100KHz	0.015Ω	6.50A
SDS124-4R7M-□A	4.70μH±20%	100KHz	0.018Ω	5.70A
SDS124-6R8M-□A	6.80μH±20%	100KHz	0.023Ω	4.90A
SDS124-100M-□A	10.00μH±20%	100KHz	0.028Ω	4.50A
SDS124-120M-□A	12.00μH±20%	100KHz	0.038Ω	4.00A
SDS124-150M-□A	15.00μH±20%	100KHz	0.050Ω	3.20A
SDS124-180M-□A	18.00μH±20%	100KHz	0.057Ω	3.10A
SDS124-220M-□A	22.00μH±20%	100KHz	0.066Ω	2.90A
SDS124-270M-□A	27.00μH±20%	100KHz	0.080Ω	2.80A
SDS124-330M-□A	33.00μH±20%	100KHz	0.097Ω	2.70A
SDS124-390M-□A	39.00μH±20%	100KHz	0.132Ω	2.10A
SDS124-470M-□A	47.00μH±20%	100KHz	0.150Ω	1.90A
SDS124-560M-□A	56.00μH±20%	100KHz	0.190Ω	1.80A
SDS124-680M-□A	68.00μH±20%	100KHz	0.220Ω	1.50A
SDS124-820M-□A	82.00μH±20%	100KHz	0.260Ω	1.30A
SDS124-101M-□A	100.00μH±20%	100KHz	0.308Ω	1.20A
SDS124-121M-□A	120.00μH±20%	100KHz	0.380Ω	1.10A
SDS124-151M-□A	150.00μH±20%	100KHz	0.530Ω	0.95A
SDS124-181M-□A	180.00μH±20%	100KHz	0.620Ω	0.85A
SDS124-221M-□A	220.00μH±20%	100KHz	0.700Ω	0.80A
SDS124-271M-□A	270.00μH±20%	100KHz	0.876Ω	0.60A
SDS124-331M-□A	330.00μH±20%	100KHz	0.990Ω	0.50A

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SDS125 Series				
SDS125-3R3M-□A	3.30μH±20%	1KHz	0.015Ω	8.00A
SDS125-4R7M-□A	4.70μH±20%	1KHz	0.018Ω	7.60A
SDS125-6R4M-□A	6.40μH±20%	1KHz	0.018Ω	5.80A
SDS125-8R2M-□A	8.20μH±20%	1KHz	0.025Ω	5.00A
SDS125-100M-□A	10.00μH±20%	1KHz	0.025Ω	4.00A
SDS125-120M-□A	12.00μH±20%	1KHz	0.027Ω	3.50A
SDS125-150M-□A	15.00μH±20%	1KHz	0.030Ω	3.30A
SDS125-180M-□A	18.00μH±20%	1KHz	0.034Ω	3.00A
SDS125-220M-□A	22.00μH±20%	1KHz	0.036Ω	2.80A
SDS125-270M-□A	27.00μH±20%	1KHz	0.051Ω	2.30A
SDS125-330M-□A	33.00μH±20%	1KHz	0.057Ω	2.10A
SDS125-390M-□A	39.00μH±20%	1KHz	0.068Ω	2.00A
SDS125-470M-□A	47.00μH±20%	1KHz	0.075Ω	1.80A
SDS125-560M-□A	56.00μH±20%	1KHz	0.110Ω	1.70A
SDS125-680M-□A	68.00μH±20%	1KHz	0.120Ω	1.50A
SDS125-820M-□A	82.00μH±20%	1KHz	0.140Ω	1.40A
SDS125-101M-□A	100.00μH±20%	1KHz	0.160Ω	1.30A
SDS125-121M-□A	120.00μH±20%	1KHz	0.170Ω	1.10A
SDS125-151M-□A	150.00μH±20%	1KHz	0.230Ω	1.00A
SDS125-181M-□A	180.00μH±20%	1KHz	0.290Ω	0.90A
SDS125-221M-□A	220.00μH±20%	1KHz	0.400Ω	0.80A
SDS125-271M-□A	270.00μH±20%	1KHz	0.460Ω	0.75A
SDS125-331M-□A	330.00μH±20%	1KHz	0.510Ω	0.68A
SDS125-391M-□A	390.00μH±20%	1KHz	0.690Ω	0.65A
SDS125-471M-□A	470.00μH±20%	1KHz	0.770Ω	0.58A
SDS125-561M-□A	560.00μH±20%	1KHz	0.860Ω	0.54A
SDS125-681M-□A	680.00μH±20%	1KHz	1.200Ω	0.48A
SDS125-821M-□A	820.00μH±20%	1KHz	1.340Ω	0.43A
SDS125-102M-□A	1000.00μH±20%	1KHz	1.530Ω	0.40A

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SDS127 Series				
SDS127-1R5N-□A	1.50μH±30%	100KHz	0.008Ω	9.50A
SDS127-2R2M-□A	2.20μH±20%	100KHz	0.012Ω	8.00A
SDS127-2R4M-□A	2.40μH±20%	100KHz	0.012Ω	8.00A
SDS127-3R3N-□A	3.30μH±30%	100KHz	0.014Ω	7.50A
SDS127-3R5M-□A	3.50μH±20%	100KHz	0.014Ω	7.50A
SDS127-4R7M-□A	4.70μH±20%	100KHz	0.016Ω	6.80A
SDS127-6R1M-□A	6.10μH±20%	100KHz	0.018Ω	6.60A
SDS127-6R8M-□A	6.80μH±20%	100KHz	0.020Ω	6.20A
SDS127-7R6M-□A	7.60μH±20%	100KHz	0.020Ω	5.90A
SDS127-100M-□A	10.00μH±20%	1KHz	0.022Ω	5.40A
SDS127-120M-□A	12.00μH±20%	1KHz	0.024Ω	4.90A
SDS127-150M-□A	15.00μH±20%	1KHz	0.027Ω	4.50A
SDS127-180M-□A	18.00μH±20%	1KHz	0.039Ω	3.90A
SDS127-220M-□A	22.00μH±20%	1KHz	0.043Ω	3.60A
SDS127-270M-□A	27.00μH±20%	1KHz	0.046Ω	3.40A
SDS127-330M-□A	33.00μH±20%	1KHz	0.065Ω	3.00A
SDS127-390M-□A	39.00μH±20%	1KHz	0.073Ω	2.75A
SDS127-470M-□A	47.00μH±20%	1KHz	0.100Ω	2.50A
SDS127-560M-□A	56.00μH±20%	1KHz	0.110Ω	2.35A
SDS127-680M-□A	68.00μH±20%	1KHz	0.140Ω	2.10A
SDS127-820M-□A	82.00μH±20%	1KHz	0.160Ω	1.95A
SDS127-101M-□A	100.00μH±20%	1KHz	0.220Ω	1.70A
SDS127-121M-□A	120.00μH±20%	1KHz	0.250Ω	1.60A
SDS127-151M-□A	150.00μH±20%	1KHz	0.280Ω	1.42A
SDS127-181M-□A	180.00μH±20%	1KHz	0.350Ω	1.30A
SDS127-221M-□A	220.00μH±20%	1KHz	0.390Ω	1.16A
SDS127-271M-□A	270.00μH±20%	1KHz	0.560Ω	1.06A
SDS127-331M-□A	330.00μH±20%	1KHz	0.640Ω	0.95A
SDS127-391M-□A	390.00μH±20%	1KHz	0.700Ω	0.88A
SDS127-471M-□A	470.00μH±20%	1KHz	0.980Ω	0.79A
SDS127-561M-□A	560.00μH±20%	1KHz	1.070Ω	0.73A
SDS127-681M-□A	680.00μH±20%	1KHz	1.460Ω	0.67A
SDS127-821M-□A	820.00μH±20%	1KHz	1.640Ω	0.60A
SDS127-102M-□A	1000.00μH±20%	1KHz	1.820Ω	0.55A

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