

SHIELDED SMD POWER INDUCTORS / SCI TYPE

FEATURES

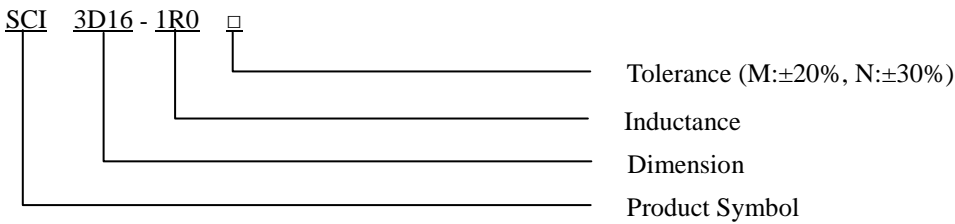
- ◆ Low DC resistance
- ◆ Suitable for large currents
- ◆ Available in magnetically shielded
- ◆ Small size with the electrode attached to it



APPLICATIONS

- ◆ Power supply for VTRs.
- ◆ Portable communication equipment.
- ◆ LCD televisions.
- ◆ DC to DC converters, etc.

ORDERING CODE



SHAPES

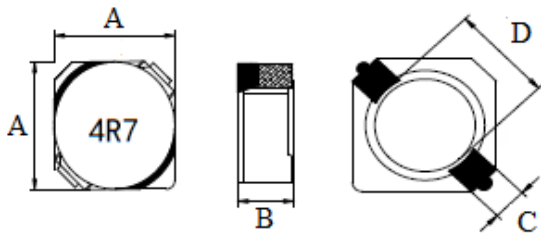


Fig 1.

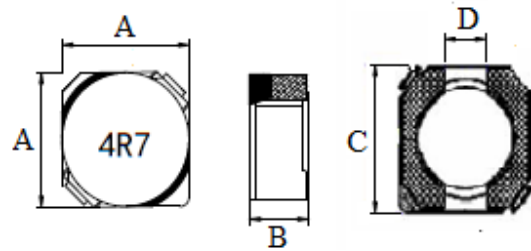


Fig 2.

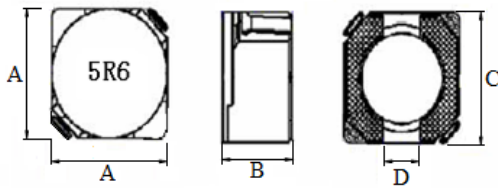


Fig 3.

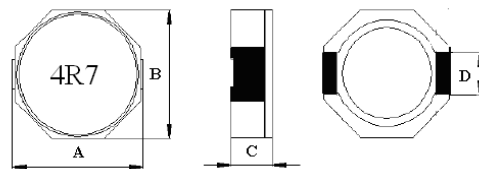


Fig 4.

SHIELDED SMD POWER INDUCTORS / SCI TYPE

DIMENSIONS (UNIT: mm)

Part No.	Fig.	A (Max)	B (Max)	C (Ref.)	D (Ref.)
SCI 2D09	1	3.2	1.1	1.00	2.1
SCI 2D11	1	3.2	1.3	1.00	2.1
SCI 2D14	1	3.2	1.6	1.00	2.1
SCI 2D18	1	3.2	2.0	1.00	2.1
SCI 3D11	2	4.0	1.3	3.75	1.2
SCI 3D14	2	4.0	1.8	3.75	1.2
SCI 3D16	2	4.0	1.9	3.75	1.2
SCI 3D23	2	4.0	2.5	3.75	1.2
SCI 3D28	2	4.0	3.0	3.75	1.2
SCI 4D18	3	5.0	2.0	4.50	1.6
SCI 4D28	3	5.0	3.0	4.50	1.6
SCI 5D18	3	6.0	2.0	5.60	2.0
SCI 5D28	3	6.0	3.0	5.60	2.0
SCI 6D28	3	7.0	3.0	6.50	2.0
SCI 6D38	3	7.0	4.0	6.50	2.0
SCI 8D28	4	9.5	8.4	3.20 (Max)	2.5
SCI 8D43	4	9.5	8.4	5.00 (Max)	2.5

ELECTRICAL CHARACTERISTICS FOR SCI2D09

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI2D09-3R0 □	3.0	0.165	0.45
SCI2D09-4R7 □	4.7	0.270	0.40
SCI2D09-100 □	10	0.620	0.30
SCI2D09-220 □	22	1.289	0.17

ELECTRICAL CHARACTERISTICS FOR SCI2D11

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI2D11-1R0 □	1.0	0.085	1.20
SCI2D11-1R5 □	1.5	0.090	1.00
SCI2D11-2R2 □	2.2	0.125	0.78
SCI2D11-3R3 □	3.3	0.160	0.45
SCI2D11-4R7 □	4.7	0.170	0.40
SCI2D11-6R8 □	6.8	0.350	0.38
SCI2D11-8R2 □	8.2	0.400	0.35
SCI2D11-100 □	10	0.580	0.30
SCI2D11-150 □	15	0.730	0.24
SCI2D11-220 □	22	0.950	0.18

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ELECTRICAL CHARACTERISTICS FOR SCI2D14

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI2D14-1R0 □	1.0	0.080	1.30
SCI2D14-1R5 □	1.5	0.085	1.25
SCI2D14-2R2 □	2.2	0.094	0.80
SCI2D14-3R3 □	3.3	0.145	0.70
SCI2D14-4R7 □	4.7	0.169	0.65
SCI2D14-5R6 □	5.6	0.250	0.60
SCI2D14-6R8 □	6.8	0.260	0.55
SCI2D14-100 □	10	0.550	0.40
SCI2D14-220 □	22	0.900	0.25
SCI2D14-470 □	47	2.300	0.18

ELECTRICAL CHARACTERISTICS FOR SCI2D18

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI2D18-1R0 □	1.0	0.070	1.40
SCI2D18-1R5 □	1.5	0.080	1.30
SCI2D18-2R2 □	2.2	0.090	0.90
SCI2D18-3R3 □	3.3	0.094	0.80
SCI2D18-4R7 □	4.7	0.100	0.68
SCI2D18-6R8 □	6.8	0.150	0.57
SCI2D18-100 □	10	0.180	0.46
SCI2D18-150 □	15	0.250	0.35
SCI2D18-220 □	22	0.300	0.28
SCI2D18-330 □	33	0.600	0.23
SCI2D18-101 □	100	1.860	0.15

ELECTRICAL CHARACTERISTICS FOR SCI3D11

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI3D11-2R2 □	2.2	0.125	0.90
SCI3D11-3R3 □	3.3	0.150	0.60
SCI3D11-4R7 □	4.7	0.170	0.50
SCI3D11-6R8 □	6.8	0.200	0.40
SCI3D11-100 □	10	0.350	0.30
SCI3D11-220 □	22	0.920	0.20
SCI3D11-101 □	100	3.200	0.15

ELECTRICAL CHARACTERISTICS FOR SCI3D14

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI3D14-4R7 □	4.7	0.158	0.70
SCI3D14-100 □	10	0.268	0.48

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ELECTRICAL CHARACTERISTICS FOR SCI3D16

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI3D16-1R2 □	1.2	0.050	1.80
SCI3D16-2R2 □	2.2	0.060	1.00
SCI3D16-3R3 □	3.3	0.080	0.92
SCI3D16-4R7 □	4.7	0.091	0.80
SCI3D16-6R8 □	6.8	0.145	0.58
SCI3D16-100 □	10	0.170	0.48
SCI3D16-150 □	15	0.230	0.40
SCI3D16-220 □	22	0.290	0.31
SCI3D16-270 □	27	0.410	0.29
SCI3D16-330 □	33	0.550	0.25
SCI3D16-470 □	47	0.775	0.22
SCI3D16-680 □	68	1.100	0.18
SCI3D16-101 □	100	1.400	0.17
SCI3D16-102 □	1000	20.400	0.06

ELECTRICAL CHARACTERISTICS FOR SCI3D23

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI3D23-1R0 □	1.0	0.025	2.80
SCI3D23-1R5 □	1.5	0.029	2.20
SCI3D23-2R2 □	2.2	0.038	1.80
SCI3D23-3R3 □	3.3	0.056	1.60
SCI3D23-4R7 □	4.7	0.069	1.30
SCI3D23-5R6 □	5.6	0.075	1.10
SCI3D23-6R8 □	6.8	0.088	1.00
SCI3D23-8R2 □	8.2	0.095	0.95
SCI3D23-100 □	10	0.117	0.85
SCI3D23-120 □	12	0.180	0.80
SCI3D23-150 □	15	0.191	0.70
SCI3D23-180 □	18	0.230	0.58
SCI3D23-220 □	22	0.270	0.55
SCI3D23-330 □	33	0.381	0.50
SCI3D23-470 □	47	0.546	0.35
SCI3D23-560 □	56	0.900	0.34
SCI3D23-680 □	68	1.000	0.33
SCI3D23-820 □	82	1.400	0.32
SCI3D23-101 □	100	1.600	0.30
SCI3D23-121 □	120	1.800	0.28
SCI3D23-151 □	150	1.900	0.25
SCI3D23-181 □	180	2.100	0.22
SCI3D23-221 □	220	3.000	0.15

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ELECTRICAL CHARACTERISTICS FOR SCI3D28

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI3D28-1R0 □	1.0	0.040	2.00
SCI3D28-2R2 □	2.2	0.045	1.00
SCI3D28-3R3 □	3.3	0.050	0.97
SCI3D28-3R9 □	3.9	0.058	0.95
SCI3D28-4R7 □	4.7	0.060	0.90
SCI3D28-5R6 □	5.6	0.065	0.80
SCI3D28-8R2 □	8.2	0.070	0.70
SCI3D28-100 □	10	0.080	0.53
SCI3D28-120 □	12	0.090	0.50
SCI3D28-150 □	15	0.095	0.46
SCI3D28-220 □	22	0.144	0.40
SCI3D28-330 □	33	0.450	0.30
SCI3D28-390 □	39	0.500	0.25
SCI3D28-470 □	47	0.550	0.23
SCI3D28-560 □	56	0.600	0.20
SCI3D28-680 □	68	0.650	0.19
SCI3D28-101 □	100	0.720	0.17
SCI3D28-151 □	150	0.880	0.16
SCI3D28-181 □	180	1.130	0.15
SCI3D28-221 □	220	1.260	0.13

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ELECTRICAL CHARACTERISTICS FOR SCI4D18

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI4D18-1R0 □	1.0	0.035	2.70
SCI4D18-1R5 □	1.5	0.045	2.50
SCI4D18-2R2 □	2.2	0.060	2.20
SCI4D18-3R3 □	3.3	0.070	1.60
SCI4D18-3R9 □	3.9	0.072	1.50
SCI4D18-4R7 □	4.7	0.100	1.20
SCI4D18-6R8 □	6.8	0.150	1.00
SCI4D18-8R2 □	8.2	0.180	0.90
SCI4D18-100 □	10	0.200	0.85
SCI4D18-150 □	15	0.240	0.80
SCI4D18-180 □	18	0.280	0.60
SCI4D18-220 □	22	0.300	0.55
SCI4D18-330 □	33	0.550	0.50
SCI4D18-470 □	47	0.630	0.43
SCI4D18-101 □	100	2.000	0.20
SCI4D18-181 □	180	2.600	0.19
SCI4D18-221 □	220	2.800	0.15
SCI4D18-471 □	470	5.000	0.13
SCI4D18-681 □	680	10.080	0.12

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ELECTRICAL CHARACTERISTICS FOR SCI4D28

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI4D28-1R0 □	1.0	0.028	5.00
SCI4D28-1R5 □	1.5	0.030	3.70
SCI4D28-2R2 □	2.2	0.031	3.00
SCI4D28-3R3 □	3.3	0.049	2.30
SCI4D28-3R9 □	3.9	0.058	2.20
SCI4D28-4R7 □	4.7	0.072	2.10
SCI4D28-6R8 □	6.8	0.090	1.70
SCI4D28-8R2 □	8.2	0.120	1.50
SCI4D28-100 □	10	0.128	1.40
SCI4D28-120 □	12	0.132	1.23
SCI4D28-150 □	15	0.149	1.10
SCI4D28-180 □	18	0.250	1.00
SCI4D28-220 □	22	0.270	0.95
SCI4D28-330 □	33	0.300	0.80
SCI4D28-390 □	39	0.400	0.70
SCI4D28-470 □	47	0.478	0.63
SCI4D28-101 □	100	1.000	0.43
SCI4D28-151 □	150	1.500	0.35
SCI4D28-181 □	180	1.700	0.33
SCI4D28-221 □	220	2.000	0.30
SCI4D28-331 □	330	4.000	0.28

ELECTRICAL CHARACTERISTICS FOR SCI5D18

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI5D18-1R2 □	1.2	0.032	4.00
SCI5D18-2R2 □	2.2	0.045	2.50
SCI5D18-3R3 □	3.3	0.060	2.00
SCI5D18-4R7 □	4.7	0.072	1.60
SCI5D18-6R8 □	6.8	0.105	1.35
SCI5D18-100 □	10	0.124	1.20
SCI5D18-150 □	15	0.160	0.85
SCI5D18-180 □	18	0.200	0.80
SCI5D18-220 □	22	0.280	0.60
SCI5D18-330 □	33	0.400	0.55
SCI5D18-470 □	47	0.500	0.50
SCI5D18-680 □	68	0.800	0.40
SCI5D18-101 □	100	0.950	0.30
SCI5D18-121 □	120	1.100	0.25
SCI5D18-181 □	180	1.950	0.23
SCI5D18-391 □	390	4.100	0.20

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ELECTRICAL CHARACTERISTICS FOR SCI5D28

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI5D28-1R0 □	1.0	0.020	4.00
SCI5D28-1R5 □	1.5	0.030	3.00
SCI5D28-2R2 □	2.2	0.035	2.60
SCI5D28-2R7 □	2.7	0.037	2.20
SCI5D28-3R3 □	3.3	0.039	2.10
SCI5D28-3R9 □	3.9	0.040	2.00
SCI5D28-4R7 □	4.7	0.045	1.80
SCI5D28-5R6 □	5.6	0.050	1.60
SCI5D28-6R8 □	6.8	0.053	1.50
SCI5D28-8R2 □	8.2	0.055	1.35
SCI5D28-100 □	10	0.065	1.30
SCI5D28-120 □	12	0.075	1.20
SCI5D28-150 □	15	0.090	1.10
SCI5D28-180 □	18	0.100	0.85
SCI5D28-220 □	22	0.122	0.75
SCI5D28-330 □	33	0.180	0.70
SCI5D28-390 □	39	0.200	0.60
SCI5D28-470 □	47	0.260	0.55
SCI5D28-560 □	56	0.305	0.50
SCI5D28-680 □	68	0.355	0.42
SCI5D28-101 □	100	0.520	0.37
SCI5D28-121 □	120	0.550	0.33
SCI5D28-151 □	150	0.800	0.30
SCI5D28-181 □	180	1.000	0.28
SCI5D28-221 □	220	1.100	0.23

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ELECTRICAL CHARACTERISTICS FOR SCI6D28

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI6D28-1R2 □	1.2	0.025	4.50
SCI6D28-1R5 □	1.5	0.027	4.30
SCI6D28-2R2 □	2.2	0.030	3.50
SCI6D28-3R3 □	3.3	0.032	3.20
SCI6D28-3R9 □	3.9	0.035	3.00
SCI6D28-4R7 □	4.7	0.036	2.80
SCI6D28-5R6 □	5.6	0.040	2.40
SCI6D28-6R8 □	6.8	0.045	2.10
SCI6D28-100 □	10	0.065	1.70
SCI6D28-150 □	15	0.084	1.20
SCI6D28-220 □	22	0.110	1.00
SCI6D28-330 □	33	0.165	0.80
SCI6D28-470 □	47	0.238	0.65
SCI6D28-560 □	56	0.277	0.60
SCI6D28-680 □	68	0.304	0.55
SCI6D28-101 □	100	0.505	0.50
SCI6D28-151 □	150	0.550	0.36
SCI6D28-221 □	220	1.000	0.30

SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI6D38

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI6D38-1R0 □	1.0	0.024	5.00
SCI6D38-2R2 □	2.2	0.028	3.60
SCI6D38-2R7 □	2.7	0.030	3.40
SCI6D38-3R3 □	3.3	0.031	3.30
SCI6D38-4R7 □	4.7	0.035	3.20
SCI6D38-5R6 □	5.6	0.037	2.80
SCI6D38-6R8 □	6.8	0.044	2.40
SCI6D38-8R2 □	8.2	0.058	2.20
SCI6D38-100 □	10	0.063	2.00
SCI6D38-150 □	15	0.080	1.60
SCI6D38-220 □	22	0.096	1.30
SCI6D38-330 □	33	0.130	1.10
SCI6D38-390 □	39	0.138	1.00
SCI6D38-470 □	47	0.155	0.90
SCI6D38-560 □	56	0.190	0.82
SCI6D38-680 □	68	0.234	0.75
SCI6D38-101 □	100	0.368	0.63
SCI6D38-151 □	150	0.450	0.43
SCI6D38-221 □	220	0.800	0.35
SCI6D38-331 □	330	1.000	0.34
SCI6D38-471 □	470	1.300	0.27

ELECTRICAL CHARACTERISTICS FOR SCI8D28

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI8D28-1R0 □	1.0	0.021	5.50
SCI8D28-4R7 □	4.7	0.040	3.90
SCI8D28-5R6 □	5.6	0.045	3.50
SCI8D28-6R8 □	6.8	0.050	3.40
SCI8D28-100 □	10	0.070	3.00
SCI8D28-220 □	22	0.099	1.10
SCI8D28-101 □	100	0.500	0.65

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SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI8D43

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI8D43-1R0 □	1.0	0.016	6.00
SCI8D43-4R7 □	4.7	0.019	5.37
SCI8D43-6R8 □	6.8	0.040	4.50
SCI8D43-100 □	10	0.061	4.00
SCI8D43-150 □	15	0.075	2.00
SCI8D43-220 □	22	0.100	1.50
SCI8D43-330 □	33	0.200	1.30
SCI8D43-470 □	47	0.250	1.20
SCI8D43-680 □	68	0.260	1.10

* 100uH 以上 Test Frequency : 1KHZ/1V

* 100uH 以下 Test Frequency : 100KHZ/0.1V