

SHIELDED SMD POWER INDUCTORS / SCI TYPE

FEATURES

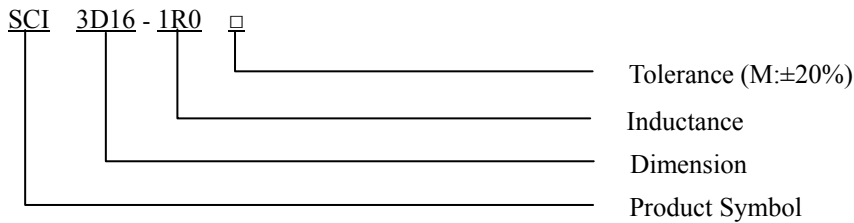
- ◆ Low DC resistance
- ◆ Suitable for large currents
- ◆ Available in magnetically shielded
- ◆ Small size with the electrode attached to it

APPLICATIONS

- ◆ LCD TV
- ◆ OA equipment
- ◆ DC/DC converter
- ◆ Power supply for VTRs
- ◆ Notebook and personal computer
- ◆ Portable communication equipment and etc.



ORDERING CODE



SHAPES

Fig1. SCI2D09/2D11/2D14 Type



Fig2. SCI3D11/3D14/3D16 Type

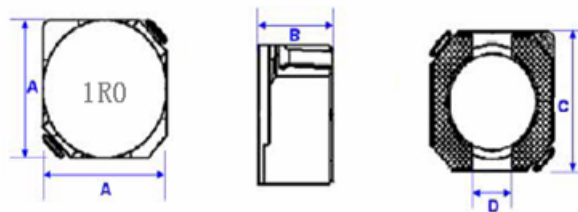
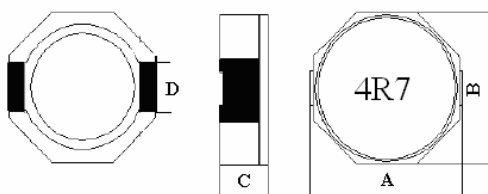


Fig3. SCI8D Type



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Fig4. SCI3D28/4D/5D/6D Type

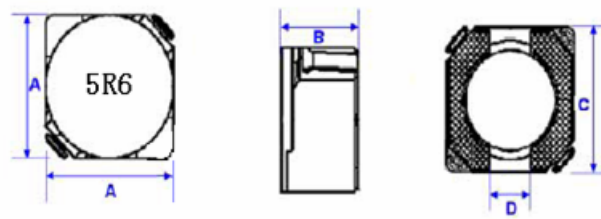
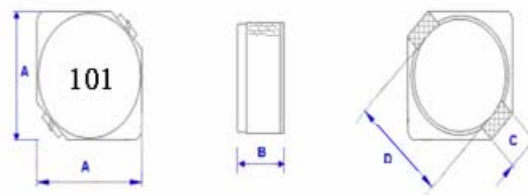


Fig5. SCI2D18 Type



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	5	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 3D28	4	4.0	3.0	3.75	1.2
SCI 4D18	4	5.0	2.0	4.50	1.6
SCI 4D28	4	5.0	3.0	4.50	1.6
SCI 5D18	4	6.0	2.0	5.60	2.0
SCI 5D28	4	6.0	3.0	5.60	2.0
SCI 6D28	4	7.0	3.0	6.50	2.0
SCI 6D38	4	7.0	4.0	6.50	2.0
SCI 8D28	3	9.5	8.4	3.20 (Max)	2.5
SCI 8D43	3	9.5	8.4	5.00 (Max)	2.5

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ELECTRICAL CHARACTERISTICS FOR SCI2D09

Part No.	Inductance (μ H)	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 (μ H)	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
SCI2D11-2R5 □	2.2	0.140	0.70
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

ELECTRICAL CHARACTERISTICS FOR SCI2D14

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SCI2D14-R82 □	0.82	0.055	1.40
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	0.65
SCI2D14-4R7 □	4.7	0.169	0.60
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

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ELECTRICAL CHARACTERISTICS FOR SCI2D18

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SCI2D18-1R0 □	1.0	0.0700	1.40
SCI2D18-1R5 □	1.5	0.0800	1.30
SCI2D18-2R2 □	2.2	0.0900	0.90
SCI2D18-3R3 □	3.3	0.0940	0.80
SCI2D18-4R7 □	4.7	0.1000	0.68
SCI2D18-6R8 □	6.8	0.1500	0.57
SCI2D18-100 □	10	0.1800	0.46
SCI2D18-150 □	15	0.2500	0.35
SCI2D18-220 □	22	0.3000	0.28
SCI2D18-330 □	33	0.6000	0.23
SCI2D18-101 □	100	1.8600	0.15

ELECTRICAL CHARACTERISTICS FOR SCI3D11

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SCI3D11-2R2 □	2.2	0.125	0.90
SCI3D11-3R3 □	3.3	0.173	0.50
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 (μ H)	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	1.800
SCI3D16-2R2 □	2.2	0.060	1.000
SCI3D16-3R0 □	3.0	0.075	0.950
SCI3D16-3R3 □	3.3	0.080	0.920
SCI3D16-4R7 □	4.7	0.091	0.800
SCI3D16-5R3 □	5.3	0.140	0.700
SCI3D16-6R8 □	6.8	0.145	0.580
SCI3D16-100 □	10	0.170	0.480
SCI3D16-150 □	15	0.230	0.400
SCI3D16-220 □	22	0.290	0.310
SCI3D16-270 □	27	0.410	0.290
SCI3D16-290 □	29	0.410	0.290
SCI3D16-330 □	33	0.550	0.250
SCI3D16-370 □	37	0.600	0.240
SCI3D16-470 □	47	0.775	0.220
SCI3D16-680 □	68	1.100	0.180
SCI3D16-101 □	100	1.400	0.170
SCI3D16-102 □	1000	20.400	0.057

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ELECTRICAL CHARACTERISTICS FOR SCI3D28

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI3D28-R70 □	0.7	0.030	2.00
SCI3D28-1R0 □	1.0	0.040	2.00
SCI3D28-2R2 □	2.2	0.040	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	0.070	0.80
SCI3D28-8R2 □	8.2	0.070	0.70
SCI3D28-100 □	10	0.080	0.49
SCI3D28-120 □	12	0.090	0.48
SCI3D28-150 □	15	0.095	0.40
SCI3D28-220 □	22	0.144	0.40
SCI3D28-270 □	27	0.400	0.30
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	0.600	0.19
SCI3D28-101 □	100	0.608	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
SCI4D18-1R2 □	1.2	0.035	2.60
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
SCI4D18-7R3 □	7.3	0.160	0.90
SCI4D18-8R2 □	8.2	0.180	0.80
SCI4D18-100 □	10	0.200	0.80
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	0.12
SCI4D18-681 □	680	10.080	0.12

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ELECTRICAL CHARACTERISTICS FOR SCI4D28

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SCI4D28-1R0 □	1.0	0.030	5.00
SCI4D28-1R2 □	1.2	0.030	4.00
SCI4D28-1R5 □	1.5	0.030	3.70
SCI4D28-1R8 □	1.8	0.031	3.50
SCI4D28-2R2 □	2.2	0.031	3.00
SCI4D28-2R7 □	2.7	0.035	2.90
SCI4D28-3R3 □	3.3	0.049	2.30
SCI4D28-3R9 □	3.9	0.058	2.20
SCI4D28-4R7 □	4.7	0.072	2.10
SCI4D28-5R0 □	5.0	0.088	2.00
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	1.00
SCI4D28-180 □	18	0.250	1.00
SCI4D28-220 □	22	0.255	0.95
SCI4D28-330 □	33	0.258	0.65
SCI4D28-390 □	39	0.400	0.65
SCI4D28-470 □	47	0.478	0.63
SCI4D28-101 □	100	1.000	0.30
SCI4D28-151 □	150	1.500	0.25
SCI4D28-181 □	180	1.540	0.25
SCI4D28-221 □	220	2.000	0.20
SCI4D28-331 □	330	4.000	0.20

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ELECTRICAL CHARACTERISTICS FOR SCI5D18

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SCI5D18-1R2 □	1.2	0.032	4.00
SCI5D18-2R0 □	2.0	0.040	2.60
SCI5D18-2R2 □	2.2	0.045	2.50
SCI5D18-3R3 □	3.3	0.060	2.00
SCI5D18-4R1 □	4.1	0.065	1.80
SCI5D18-4R7 □	4.7	0.072	1.60
SCI5D18-5R4 □	5.4	0.080	1.50
SCI5D18-6R2 □	6.2	0.090	1.50
SCI5D18-6R8 □	6.8	0.105	1.35
SCI5D18-8R9 □	8.9	0.110	1.30
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	0.950	0.25
SCI5D18-171 □	170	1.500	0.25
SCI5D18-181 □	180	1.950	0.24
SCI5D18-391 □	390	4.100	0.20

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ELECTRICAL CHARACTERISTICS FOR SCI5D28

Part No.	Inductance (μ H)	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
SCI5D28-2R5 □	2.5	0.035	2.60
SCI5D28-2R6 □	2.6	0.036	2.25
SCI5D28-2R7 □	2.7	0.037	2.20
SCI5D28-3R0 □	3.0	0.038	2.20
SCI5D28-3R3 □	3.3	0.039	2.10
SCI5D28-3R9 □	3.9	0.040	2.00
SCI5D28-4R2 □	4.2	0.045	1.80
SCI5D28-4R7 □	4.7	0.045	1.80
SCI5D28-5R3 □	5.3	0.050	1.70
SCI5D28-5R6 □	5.6	0.050	1.60
SCI5D28-6R2 □	6.2	0.050	1.50
SCI5D28-6R8 □	6.8	0.050	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
SCI5D28-270 □	27	0.125	0.70
SCI5D28-330 □	33	0.180	0.70
SCI5D28-390 □	39	0.180	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	0.30
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 (μ H)	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
SCI6D28-5R0 □	5.0	0.038	2.40
SCI6D28-5R6 □	5.6	0.040	2.40
SCI6D28-6R0 □	6.0	0.040	2.25
SCI6D28-6R2 □	6.2	0.040	2.20
SCI6D28-6R8 □	6.8	0.045	2.10
SCI6D28-7R1 □	7.1	0.045	1.90
SCI6D28-7R5 □	7.5	0.065	1.90
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	0.60
SCI6D28-560 □	56	0.277	0.55
SCI6D28-680 □	68	0.304	0.50
SCI6D28-101 □	100	0.505	0.50
SCI6D28-151 □	150	0.550	0.36
SCI6D28-221 □	220	1.000	0.30

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ELECTRICAL CHARACTERISTICS FOR SCI6D38

Part No.	Inductance (μ H)	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
SCI6D38-3R6 □	3.6	0.032	3.30
SCI6D38-4R7 □	4.7	0.035	3.20
SCI6D38-5R0 □	5.0	0.037	3.00
SCI6D38-5R6 □	5.6	0.037	2.40
SCI6D38-6R2 □	6.2	0.040	2.40
SCI6D38-6R3 □	6.3	0.040	2.40
SCI6D38-6R8 □	6.8	0.044	2.40
SCI6D38-7R4 □	7.4	0.052	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	0.75
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

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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

ELECTRICAL CHARACTERISTICS FOR SCI8D43

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI8D43-1R0 □	1.0	0.0160	6.000
SCI8D43-4R7 □	4.7	0.0189	5.373
SCI8D43-6R8 □	6.8	0.0400	4.500
SCI8D43-8R0 □	8.0	0.0500	4.500
SCI8D43-100 □	10	0.0610	4.000
SCI8D43-150 □	15	0.075	2.000
SCI8D43-220 □	22	0.1000	1.500
SCI8D43-330 □	33	0.2000	1.300
SCI8D43-470 □	47	0.2500	1.200
SCI8D43-680 □	68	0.2600	1.100

* 100uH 以上 Test Frequency : 1KHZ/1V

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