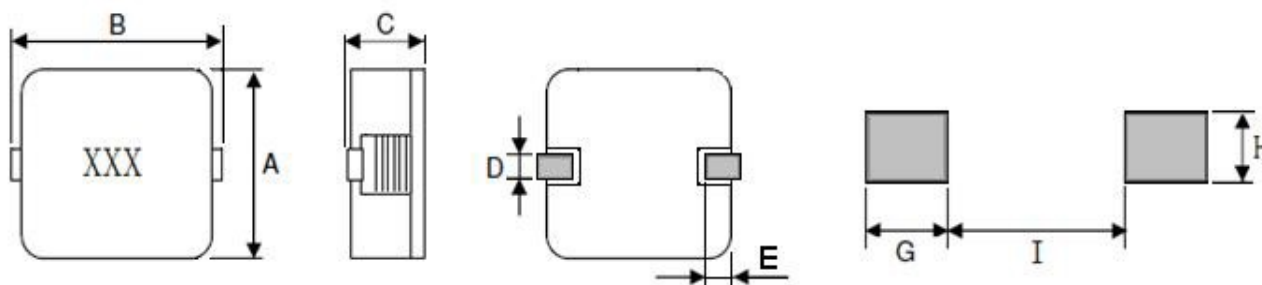




PRODUCT: SMD Power Inductor

SCEI-SERIES

- High current, low loss of iron powder core
- Low profile for machine placement
- Minimize electromagnetic interference



PACKAGING DIMENSION: [Unit: mm]

SUNLEIP/N	A	B	C	D	E	G	H	I	Packing (Pcs/Reel)
SCEI0730	6.9±0.4	7.0±0.4	3.3Max	1.2±0.3	1.8±0.5	2.7	2.2	2.4	1000
SCEI0740	6.9±0.4	7.0±0.4	4.0Max	1.2±0.3	1.8±0.5	2.7	2.2	2.4	1000
SCEI0750	6.9±0.4	7.0±0.4	5.0Max	1.2±0.3	1.8±0.5	2.7	2.2	2.4	1000
SCEI1030	10.2±0.5	10.5±0.5	3.1 Max	2.0±0.5	2.0±0.5	3.5	4	3.8	800
SCEI1040	10.2±0.5	10.5±0.5	4.2Max	2.0±0.5	2.0±0.5	3.5	4	3.8	800
SCEI1050	10.2±0.5	10.5±0.5	5.0Max	2.0±0.5	2.0±0.5	3.5	4	3.8	800
SCEI1335	12.8±0.5	13.0±1.0	3.5Max	2.5±0.5	3.0±1.0	4.5	5	6	500
SCEI1350	12.8±0.5	13.0±1.0	5.0Max	2.5±0.5	3.0±1.0	4.5	5	6	500
SCEI1365	12.8±0.5	13.0±1.0	6.5Max	3.0±1.0	3.0±1.0	4.5	5	6	500
SCEI1890	18.2±0.5	18.3±1.0	9.2Max	3.5±1.5	5.0±1.0	6	6	7.3	250



PRODUCT: SMD Power Inductor

SCEI07XX SERIES

PART NO.	L(OA) ($\mu\text{H}\pm 20\%$)	Irms (Amperes)	Isat (Amperes)	DCR ($\text{m}\Omega$)TYPE	DCR ($\text{m}\Omega$)MAX
SCEI0730-R13M	0.13	22	48	0.91	1
SCEI0730-R24M	0.24	18	40	1.8	1.98
SCEI0730-R52M	0.52	14	20	3.7	4.07
SCEI0730-R95M	0.95	11	13	6.2	6.82
SCEI0730-1R2M	1.15	8.5	13	8.6	9.46
SCEI0730-1R5M	1.5	7.5	12	12.7	13.97
SCEI0730-2R0M	2	6.5	9	14.2	15.62
SCEI0740-R22M	0.22	21	32	1.1	1.21
SCEI0740-R40M	0.4	19	25	1.85	2.04
SCEI0740-R68M	0.68	17	20	3.1	3.41
SCEI0740-1R0M	1	15	19	4.6	5.06
SCEI0740-1R5M	1.5	11	14	6.6	7.26
SCEI0740-2R2M	2.2	9	13	11.4	12.54
SCEI0740-3R3M	3.3	6.5	11	17.2	18.92
SCEI0740-4R7M	4.7	6	7	19.5	21.45
SCEI0750-R24M	0.24	20	28	1	1.1
SCEI0750-R47M	0.47	18	20	1.35	1.49
SCEI0750-R76M	0.76	15.5	15	2.25	2.48
SCEI0750-1R1M	1.1	15	13	3.15	3.47
SCEI0750-1R5M	1.5	13	11	4.3	4.73
SCEI0750-2R0M	2	11.5	9	5.85	6.44
SCEI0750-3R3M	3.3	9	8	9	9.9
SCEI0750-4R9M	4.9	6.5	6.5	14.5	15.95
SCEI0750-6R5M	6.5	6	6	21.5	23.65
SCEI0750-7R6M	7.6	4.2	4.8	30.2	33.22
SCEI0750-8R5M	8.5	4	4.5	32.5	35.75
SCEI0750-100M	10	3.5	4	33	36.3

Inductors is Test frequency at 100KHz/0.1V.

Maximum rated DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 50°C, whichever is smaller.

Operating temperature range is -55°C to 125°C.

The part temperature(ambient and temp rise) should not exceed 125°C under worse case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.



PRODUCT: SMD Power Inductor

SCEI10XX SERIES

PART NO.	L(OA) ($\mu\text{H} \pm 20\%$)	Irms (Amperes)	Isat (Amperes)	DCR (m Ω)TYPE	DCR (m Ω)MAX
SCEI1030-R20M	0.2	22	50	0.82	0.9
SCEI1030-R33M	0.33	18	36	2.17	2.39
SCEI1030-R56M	0.56	18	33	2.17	2.39
SCEI1030-R68M	0.68	14	21	4.79	5.27
SCEI1030-1R0M	1	14	21	4.79	5.27
SCEI1030-1R2M	1.2	12	15	6.6	7.26
SCEI1030-1R5M	1.5	12	18	6.6	7.26
SCEI1030-2R2M	2.2	9	15	11.38	12.52
SCEI1040-R15M	0.15	25	60	0.58	0.64
SCEI1040-R30M	0.3	22	35	1.1	1.21
SCEI1040-R56M	0.56	20	30	1.61	1.77
SCEI1040-1R0M	1	16	20	3.3	3.63
SCEI1040-1R5M	1.5	14	17	5.3	5.83
SCEI1040-2R2M	2	11	13	7.3	8.03
SCEI1040-2R8M	2.8	9.5	11	10.6	11.66
SCEI1040-4R3M	4.3	8	8	14.1	15.51
SCEI1050-R16M	0.16	25	58	0.51	0.56
SCEI1050-R40M	0.4	24	37	0.67	0.74
SCEI1050-R72M	0.72	22	35	1.3	1.43
SCEI1050-1R2M	1.2	20	25	1.8	1.98
SCEI1050-1R8M	1.8	16	18	3.5	3.85
SCEI1050-2R4M	2.4	14	17	4.75	5.23
SCEI1050-3R3M	3.3	12	15	5.9	6.49
SCEI1050-4R2M	4.2	11	14	7.1	7.81
SCEI1050-5R5M	5.5	10	12	10.3	11.33
SCEI1050-6R5M	6.5	8.4	10	12.5	13.75
SCEI1050-7R8M	7.8	8	9.5	13.6	14.96
SCEI1050-100M	10	7.2	8.5	16.3	17.93
SCEI1050-160M	16	5	6.5	34.5	37.95

Inductors is Test frequency at 100KHz/0.1V.

Maximum rated DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 50°C, whichever is smaller.

Operating temperature range is -55°C to 125°C.

The part temperature(ambient and temp rise) should not exceed 125°C under worse case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.



PRODUCT: SMD Power Inductor

SCEI13XX SERIES

PART NO.	L(0A) (uH±20%)	Irms (Amperes)	Isat (Amperes)	DCR (mΩ)TYPE	DCR (mΩ)MAX
SCEI1335-R25N	0.25	24	60	0.75	0.83
SCEI1335-R68M	0.68	22	40	1.58	1.74
SCEI1335-1R2M	1.2	17	28	2.85	3.14
SCEI1335-1R8M	1.8	14	22	5.6	6.16
SCEI1335-2R2M	2.2	14	18	5.7	6.27
SCEI1335-3R3M	3.3	12	14	8.1	8.91
SCEI1350-R19M	0.19	29	60	0.5	0.55
SCEI1350-R47M	0.47	26	50	0.9	0.99
SCEI1350-R90M	0.9	24	28	1.6	1.76
SCEI1350-1R4M	1.4	22	26	2.4	2.64
SCEI1350-2R3M	2.3	17.5	17	3.7	4.07
SCEI1350-3R2M	3.2	16	15	5.3	5.83
SCEI1350-4R8M	4.8	11	13	10.5	11.55
SCEI1350-6R0M	6	9.5	11.5	13.5	14.85
SCEI1350-8R2M	8.2	10	11	11.6	12.76
SCEI1350-100M	10	8.5	10	14.1	15.51
SCEI1365-R22M	0.2	32	65	0.35	0.39
SCEI1365-R47M	0.47	30	50	0.67	0.74
SCEI1365-R82M	0.82	27	35	0.9	0.99
SCEI1365-1R3M	1.3	25	25	1.8	1.98
SCEI1365-2R0M	2	23	22	2.6	2.86
SCEI1365-2R8M	2.8	20	17.5	3.3	3.63
SCEI1365-3R7M	3.7	17	16	4.9	5.39
SCEI1365-4R7M	4.7	13	15	7	7.7
SCEI1365-6R0M	6	12	14	8.4	9.24
SCEI1365-7R3M	7.3	13	12	5.9	6.49
SCEI1365-9R2M	9.2	12	10.5	7.8	8.58
SCEI1365-110M	11.3	11	9.5	9.1	10
SCEI1365-130M	13	10	9	11.2	12.32
SCEI1365-150M	15.4	9	8	14.8	16.28
SCEI1365-220M	22	6	6.5	24.7	27.17

Inductors is Test frequency at 100KHz/0.1V.

Maximum rated DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 50°C, whichever is smaller.

Operating temperature range is -55°C to 125°C.

The part temperature(ambient and temp rise) should not exceed 125°C under worst case operating conditions.

Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.



PRODUCT: SMD Power Inductor

SCEI18XX SERIES

PART NO.	L(OA) (uH±20%)	Irms (Amperes)	Isat (Amperes)	DCR (mΩ)TYPE	DCR (mΩ)MAX
SCEI1890-R82M	0.82	41.5	65	0.54	0.58
SCEI1890-1R3M	1.3	34.5	62	0.94	1.02
SCEI1890-1R9M	1.9	32.5	52	1.2	1.3
SCEI1890-2R6M	2.6	31.5	50	1.58	1.71
SCEI1890-3R5M	3.5	22.5	37	3.1	3.35
SCEI1890-4R5M	4.5	20.5	37	3.4	3.67
SCEI1890-5R6M	5.6	19	33	3.7	4
SCEI1890-6R8M	6.8	18.5	27	4.1	4.43
SCEI1890-100M	10	15	21.5	6.9	7.45
SCEI1890-100MT	10	16.5	18.5	7.1	7.67
SCEI1890-150M	15	14	14	9.3	10.05
SCEI1890-220M	22	11	11	14.6	15.77
SCEI1890-330M	33	8.5	9	22.6	24.41
SCEI1890-470M	47	6.8	7	34	36.72

Inductors is Test frequency at 100KHz/0.1V.

Maximum rated DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 50°C, whichever is smaller.

Operating temperature range is -55°C to 125°C.

The part temperature(ambient and temp rise) should not exceed 125°C under worse case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.