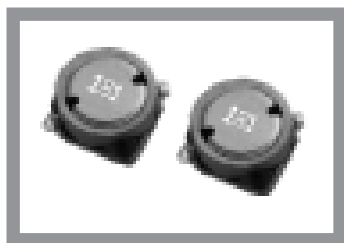


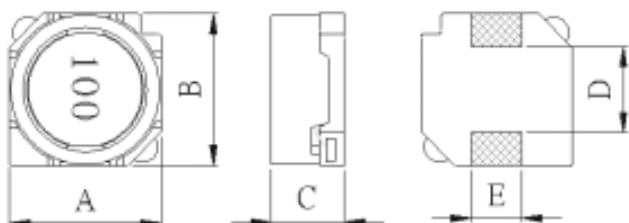
SCRB series

FEATURES

1. To be high saturation for surface mounting.
2. Surface mount inductor with high current rating.
3. Low resistance to keep power loss minimum.
4. Packed in embossed carrier tape and can be used by automatic mounting machine.



DIMENSIONS



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
6025	6.00±0.30	6.00±0.30	2.70 Max	4.00	2.00±0.20
6028	6.00±0.30	6.00±0.30	3.00 Max	4.00	2.00±0.20
6038	6.00±0.30	6.00±0.30	4.00 Max	4.00	2.00±0.20
6048	6.00±0.30	6.00±0.30	5.00 Max	4.00	2.00±0.20
7028	7.00±0.30	7.00±0.30	3.00 Max	4.90	2.00±0.20
7030	7.00±0.30	7.00±0.30	3.20 Max	4.90	2.00±0.20
7032	7.00±0.30	7.00±0.30	3.40 Max	4.90	2.00±0.20
7045	7.00±0.30	7.00±0.30	4.80 Max	4.90	2.00±0.20
1013	10.1±0.30	10.1±0.30	3.30 Max	6.00	3.00±0.20
1014	10.1±0.30	10.1±0.30	4.80 Max	6.00	3.00±0.20
1255	12.5±0.30	12.5±0.30	5.80 Max	8.60	3.00±0.20
1256	12.5±0.30	12.5±0.30	6.80 Max	8.60	3.00±0.20
1257	12.5±0.30	12.5±0.30	7.80 Max	8.60	3.00±0.20

APPLICATIONS

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

PARTNUMBER

SCRB	6025	—	4R7	M	F	V
A	B		C	D	E	F

- A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance M=±20%, Y=±30%
 E: Lead Free Code
 F: ID Code



Power Inductor

SMD /Shielded Type



SCRB6025

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Ratted Current (A)
SCRB6025-4R7M	4.70±20%	1V/1.0K	0.037	1.8
SCRB6025-6R8M	6.80±20%	1V/1.0K	0.053	1.50
SCRB6025-100M	10.0±20%	1V/1.0K	0.069	1.30
SCRB6025-150M	15.0±20%	1V/1.0K	0.102	1.10
SCRB6025-220M	22.0±20%	1V/1.0K	0.146	0.94
SCRB6025-330M	33.0±20%	1V/1.0K	0.216	0.79
SCRB6025-470M	47.0±20%	1V/1.0K	0.288	0.67
SCRB6025-680M	68.0±20%	1V/1.0K	0.444	0.54
SCRB6025-101M	100±20%	1V/1.0K	0.600	0.47

SCRB6028

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Ratted Current (A)
SCRB6028-4R7M	4.70±20%	1V/1.0K	0.034	2.50
SCRB6028-6R8M	6.80±20%	1V/1.0K	0.043	2.20
SCRB6028-100M	10.0±20%	1V/1.0K	0.064	1.80
SCRB6028-150M	15.0±20%	1V/1.0K	0.090	1.40
SCRB6028-220M	22.0±20%	1V/1.0K	0.125	1.30
SCRB6028-330M	33.0±20%	1V/1.0K	0.178	1.10
SCRB6028-470M	47.0±20%	1V/1.0K	0.252	0.92
SCRB6028-680M	68.0±20%	1V/1.0K	0.348	0.78
SCRB6028-101M	100±20%	1V/1.0K	0.516	0.64

SCRB6038

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Ratted Current (A)
SCRB6038-1R0M	1.0±20%	1V/100K	0.022	2.50
SCRB6038-1R5M	1.5±20%	1V/100K	0.025	2.20
SCRB6038-2R2M	2.2±20%	1V/100K	0.030	1.90
SCRB6038-3R3M	3.3±20%	1V/100K	0.035	1.70
SCRB6038-4R7M	4.7±20%	1V/100K	0.050	1.30
SCRB6038-6R8M	6.8±20%	1V/100K	0.055	1.10
SCRB6038-100M	10±20%	1V/100K	0.065	1.00
SCRB6038-120M	12±20%	1V/100K	0.090	0.90
SCRB6038-150M	15±20%	1V/100K	0.10	0.80
SCRB6038-180M	18±20%	1V/100K	0.11	0.70
SCRB6038-220M	22±20%	1V/100K	0.15	0.65
SCRB6038-270M	27±20%	1V/100K	0.17	0.60
SCRB6038-330M	33±20%	1V/100K	0.22	0.55
SCRB6038-390M	39±20%	1V/100K	0.24	0.50
SCRB6038-470M	47±20%	1V/100K	0.30	0.47
SCRB6038-560M	56±20%	1V/100K	0.34	0.42
SCRB6038-680M	68±20%	1V/100K	0.39	0.40
SCRB6038-820M	82±20%	1V/100K	0.50	0.35
SCRB6038-101M	100±20%	1V/100K	0.57	0.32
SCRB6038-121M	120±20%	1V/100K	0.63	0.30
SCRB6038-151M	150±20%	1V/100K	0.90	0.27
SCRB6038-181M	180±20%	1V/100K	0.99	0.25
SCRB6038-221M	220±20%	1V/100K	1.15	0.22
SCRB6038-271M	270±20%	1V/100K	1.55	0.20
SCRB6038-331M	330±20%	1V/100K	1.76	0.18
SCRB6038-391M	390±20%	1V/100K	2.60	0.17
SCRB6038-471M	470±20%	1V/100K	3.00	0.16
SCRB6038-561M	560±20%	1V/100K	3.30	0.15
SCRB6038-681M	680±20%	1V/100K	3.70	0.13
SCRB6038-821M	820±20%	1V/100K	4.90	0.12
SCRB6038-102M	1000±20%	1V/100K	5.70	0.11

SCRB6048

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB6048-1R0M	1.0±20%	1V/100K	0.023	2.70
SCRB6048-1R5M	1.5±20%	1V/100K	0.026	2.30
SCRB6048-2R2M	2.2±20%	1V/100K	0.028	1.90
SCRB6048-3R3M	3.3±20%	1V/100K	0.035	1.80
SCRB6048-4R7M	4.7±20%	1V/100K	0.040	1.40
SCRB6048-6R8M	6.8±20%	1V/100K	0.045	1.20
SCRB6048-100M	10±20%	1V/100K	0.060	1.00
SCRB6048-150M	15±20%	1V/100K	0.070	0.80
SCRB6048-220M	22±20%	1V/100K	0.110	0.65
SCRB6048-330M	33±20%	1V/100K	0.165	0.55
SCRB6048-470M	47±20%	1V/100K	1.200	0.45
SCRB6048-680M	68±20%	1V/100K	0.285	0.37
SCRB6048-101M	100±20%	1V/100K	0.42	0.30
SCRB6048-151M	150±20%	1V/100K	0.63	0.25
SCRB6048-181M	180±20%	1V/100K	0.72	0.22
SCRB6048-221M	220±20%	1V/100K	0.82	0.20
SCRB6048-271M	270±20%	1V/100K	1.10	0.18
SCRB6048-331M	330±20%	1V/100K	1.20	0.17
SCRB6048-391M	390±20%	1V/100K	1.70	0.16
SCRB6048-471M	470±20%	1V/100K	1.90	0.14
SCRB6048-561M	560±20%	1V/100K	2.15	0.13
SCRB6048-681M	680±20%	1V/100K	3.30	0.12
SCRB6048-821M	820±20%	1V/100K	3.65	0.11
SCRB6048-102M	1000±20%	1V/100K	4.15	0.10

SCRB7028

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB7028-3R3M	3.30±20%	1V/1.0K	0.037	1.60
SCRB7028-4R7M	4.70±20%	1V/1.0K	0.045	1.50
SCRB7028-6R8M	6.80±20%	1V/1.0K	0.059	1.30
SCRB7028-100M	10.0±20%	1V/1.0K	0.083	1.10
SCRB7028-150M	15.0±20%	1V/1.0K	0.130	0.88
SCRB7028-220M	22.0±20%	1V/1.0K	0.180	0.75
SCRB7028-330M	33.0±20%	1V/1.0K	0.240	0.65
SCRB7028-470M	47.0±20%	1V/1.0K	0.340	0.54

SCRB7030

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB7030-3R3M	3.30±20%	1V/1.0K	0.023	1.8
SCRB7030-4R7M	4.70±20%	1V/1.0K	0.036	1.60
SCRB7030-6R8M	6.80±20%	1V/1.0K	0.041	1.50
SCRB7030-100M	10.0±20%	1V/1.0K	0.053	1.30
SCRB7030-150M	15.0±20%	1V/1.0K	0.084	1.00
SCRB7030-220M	22.0±20%	1V/1.0K	0.110	0.86
SCRB7030-330M	33.0±20%	1V/1.0K	0.160	0.65
SCRB7030-470M	47.0±20%	1V/1.0K	0.240	0.57
SCRB7030-680M	68.0±20%	1V/1.0K	0.310	0.49
SCRB7030-101M	100±20%	1V/1.0K	0.450	0.35



Power Inductor

SMD /Shielded Type



SCRB7032

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB7032-3R3M	3.30±20%	1V/1.0K	0.023	1.90
SCRB7032-4R7M	4.70±20%	1V/1.0K	0.036	1.70
SCRB7032-6R8M	6.80±20%	1V/1.0K	0.041	1.60
SCRB7032-100M	10.0±20%	1V/1.0K	0.053	1.40
SCRB7032-150M	15.0±20%	1V/1.0K	0.075	1.10
SCRB7032-220M	22.0±20%	1V/1.0K	0.11	0.96
SCRB7032-330M	33.0±20%	1V/1.0K	0.16	0.75
SCRB7032-470M	47.0±20%	1V/1.0K	0.24	0.67
SCRB7032-680M	68.0±20%	1V/1.0K	0.31	0.59
SCRB7032-101M	100±20%	1V/1.0K	0.45	0.45
SCRB7032-151M	150±20%	1V/1.0K	0.65	0.37
SCRB7032-221M	220±20%	1V/1.0K	1.05	0.29
SCRB7032-331M	330±20%	1V/1.0K	1.67	0.22
SCRB7032-471M	470±20%	1V/1.0K	2.05	0.20
SCRB7032-681M	680±20%	1V/1.0K	3.15	0.16
SCRB7032-102M	1000±20%	1V/1.0K	4.78	0.13

SCRB7045

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB7045-3R3M	3.30±20%	1V/1.0K	0.020	2.30
SCRB7045-4R7M	4.70±20%	1V/1.0K	0.030	2.10
SCRB7045-6R8M	6.80±20%	1V/1.0K	0.039	1.74
SCRB7045-100M	10.0±20%	1V/1.0K	0.036	1.78
SCRB7045-150M	15.0±20%	1V/1.0K	0.052	1.53
SCRB7045-220M	22.0±20%	1V/1.0K	0.061	1.34
SCRB7045-345M	33.0±20%	1V/1.0K	0.096	1.09
SCRB7045-470M	47.0±20%	1V/1.0K	0.125	0.92
SCRB7045-680M	68.0±20%	1V/1.0K	0.175	0.77
SCRB7045-101M	100±20%	1V/1.0K	0.250	0.65
SCRB7045-151M	150±20%	1V/1.0K	0.340	0.55
SCRB7045-221M	220±20%	1V/1.0K	0.520	0.45
SCRB7045-331M	330±20%	1V/1.0K	0.740	0.37
SCRB7045-471M	470±20%	1V/1.0K	1.050	0.31
SCRB7045-681M	680±20%	1V/1.0K	1.480	0.27
SCRB7045-102M	1000±20%	1V/1.0K	2.280	0.25

SCRB1013

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB1013-1R5M	1.5±20%	1V/100K	0.022	4.00
SCRB1013-2R2M	2.2±20%	1V/100K	0.025	3.50
SCRB1013-3R3M	3.3±20%	1V/100K	0.040	3.00
SCRB1013-4R7M	4.7±20%	1V/100K	0.045	2.50
SCRB1013-6R8M	6.8±20%	1V/100K	0.060	2.20
SCRB1013-100M	10±20%	1V/100K	0.070	2.00
SCRB1013-120M	12±20%	1V/100K	0.095	1.90
SCRB1013-150M	15±20%	1V/100K	0.12	1.70
SCRB1013-180M	18±20%	1V/100K	0.13	1.55
SCRB1013-220M	22±20%	1V/100K	0.18	1.45
SCRB1013-270M	27±20%	1V/100K	0.20	1.30
SCRB1013-330M	33±20%	1V/100K	0.21	1.10
SCRB1013-390M	39±20%	1V/100K	0.27	1.00
SCRB1013-470M	47±20%	1V/100K	0.30	0.85
SCRB1013-560M	56±20%	1V/100K	0.40	0.80
SCRB1013-680M	68±20%	1V/100K	0.44	0.75
SCRB1013-820M	82±20%	1V/100K	0.49	0.65
SCRB1013-101M	100±20%	1V/100K	0.67	0.60
SCRB1013-121M	120±20%	1V/100K	0.74	0.55
SCRB1013-151M	150±20%	1V/100K	0.79	0.50
SCRB1013-181M	180±20%	1V/100K	1.20	0.45
SCRB1013-221M	220±20%	1V/100K	1.35	0.40
SCRB1013-271M	270±20%	1V/100K	1.80	0.38
SCRB1013-331M	330±20%	1V/100K	2.00	0.32
SCRB1013-391M	390±20%	1V/100K	2.10	0.30
SCRB1013-471M	470±20%	1V/100K	3.50	0.28

SCRB1013

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB1013-561M	560±20%	1V/100K	3.90	0.25
SCRB1013-681M	680±20%	1V/100K	4.10	0.22
SCRB1013-821M	820±20%	1V/100K	4.55	0.20
SCRB1013-102M	1000±20%	1V/100K	5.10	0.18

SCRB1014

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB1014-100M	10.0±20%	1V/1.0K	0.036	2.50
SCRB1014-150M	15.0±20%	1V/1.0K	0.047	2.20
SCRB1014-220M	22.0±20%	1V/1.0K	0.059	1.90
SCRB1014-330M	33.0±20%	1V/1.0K	0.082	1.70
SCRB1014-470M	47.0±20%	1V/1.0K	0.10	1.50
SCRB1014-680M	68.0±20%	1V/1.0K	0.14	1.30
SCRB1014-101M	100±20%	1V/1.0K	0.20	1.10
SCRB1014-151M	150±20%	1V/1.0K	0.35	0.81
SCRB1014-221M	220±20%	1V/1.0K	0.47	0.70
SCRB1014-331M	330±20%	1V/1.0K	0.68	0.58
SCRB1014-471M	470±20%	1V/1.0K	1.03	0.47
SCRB1014-681M	680±20%	1V/1.0K	1.60	0.38
SCRB1014-102M	1000±20%	1V/1.0K	2.80	0.29
SCRB1014-152M	1500±20%	1V/1.0K	3.40	0.26

SCRB1255

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current (A)
SCRB1255-6R0M	6.0±20%	1V/1.0K	16.4	4.90
SCRB1255-100M	10±20%	1V/1.0K	21.5	4.30
SCRB1255-150M	15±20%	1V/1.0K	25.9	3.90
SCRB1255-220M	22±20%	1V/1.0K	33.8	3.40
SCRB1255-330M	33±20%	1V/1.0K	41.5	3.10
SCRB1255-470M	47±20%	1V/1.0K	61.8	2.50
SCRB1255-680M	68±20%	1V/1.0K	83.2	2.20
SCRB1255-101M	100±20%	1V/1.0K	117.2	1.80

SCRB1256

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (mΩ) Max	Rated Current (A)
SCRB1256-2R0M	2.0±20%	1V/1.0K	11.7	6.2
SCRB1256-4R2M	4.2±20%	1V/1.0K	15	5.5
SCRB1256-7R0M	7.0±20%	1V/1.0K	17.7	5.0
SCRB1256-100M	10±20%	1V/1.0K	20.2	4.8
SCRB1256-150M	15±20%	1V/1.0K	23.7	4.4
SCRB1256-220M	22±20%	1V/1.0K	31.6	3.8
SCRB1256-330M	33±20%	1V/1.0K	40.6	3.4
SCRB1256-470M	47±20%	1V/1.0K	57.8	2.8
SCRB1256-680M	68±20%	1V/1.0K	78.7	2.4
SCRB1256-101M	100±20%	1V/1.0K	123	1.9
SCRB1256-151M	150±20%	1V/1.0K	273	1.2

SCRB1257

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (mΩ) Max	Rated Current (A)
SCRB1257-1R2M	1.2±20%	1V/1.0K	6.9	8.2
SCRB1257-2R7M	2.7±20%	1V/1.0K	9.4	7.0
SCRB1257-3R9M	3.9±20%	1V/1.0K	10.4	6.7
SCRB1257-5R6M	5.6±20%	1V/1.0K	11.6	6.3
SCRB1257-6R8M	6.8±20%	1V/1.0K	13.1	5.9
SCRB1257-100M	10±20%	1V/1.0K	15.6	5.4
SCRB1257-150M	15±20%	1V/1.0K	18.4	5.0
SCRB1257-220M	22±20%	1V/1.0K	26.3	4.0
SCRB1257-330M	33±20%	1V/1.0K	39.5	3.4
SCRB1257-470M	47±20%	1V/1.0K	52.8	3.0
SCRB1257-680M	68±20%	1V/1.0K	77.8	2.4
SCRB1257-101M	100±20%	1V/1.0K	125	1.9
SCRB1257-151M	150±20%	1V/1.0K	175	1.6
SCRB1257-221M	220±20%	1V/1.0K	258	1.3