

SPECIFICATION OF BS□□□□CDSU SERIES

FEATURES

1. To be high saturation for surface mounting type inductors.
2. Low cost feature.

APPLICATIONS

VTR , QA equipment , LCD television set , nootbook PC , portable communication equipments , DC to DC converters , etc.



ORDERING CODE

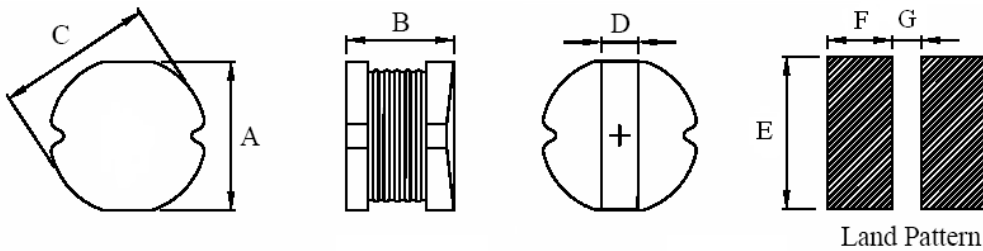
BS0302CDSU **100** **M** **T**
 (1) (2) (3) (4)

(1) PRODUCT TYPE CODE AND SIZE CODE

(2) INDUCTANCE

(3) INDUCTANCE TOLERANCE (K : ±10%, M : ±20%)

(4) REEL TAPING



SHAPE & DIMENSIONS

UNIT:mm

SIZE CODE	A ±0.3	B	C ±0.3	D Typ.	E	F	G
BS0301CDSU	3.0	1.3(max)	3.5	1.2	3.5	1.60	0.8
BS0302CDSU	3.0	2.3(max)	3.5	1.2	3.5	1.60	0.8
BS0403CDSU	4.0	3.2±0.3	4.5	1.5	4.5	2.10	0.8
BS0502CDSU	5.2	2.5±0.3	5.8	2.0	5.5	2.25	1.5
BS0503CDSU	5.2	3.0±0.3	5.8	2.0	5.5	2.25	1.5
BS0504CDSU	5.2	4.5±0.3	5.8	2.0	5.5	2.25	1.5
BS0703CDSU	7.0	3.5±0.3	7.8	2.5	7.5	3.05	1.9
BS0705CDSU	7.0	5.0±0.3	7.8	2.5	7.5	3.05	1.9
BS1004CDSU	9.0	4.0±0.3	10.0	2.9	9.5	3.65	2.5
BS1005CDSU	9.0	5.4±0.3	10.0	2.9	9.5	3.65	2.5

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SMD POWER INDUCTORS → BS□□□□CDSU SERIES

ELECTRICAL CHARACTERISTIC

Stamp	L (μH)	RDC (ohm) max										IDC (A) max									
		BS 0301 CDSU	BS 0302 CDSU	BS 0403 CDSU	BS 0502 CDSU	BS 0503 CDSU	BS 0504 CDSU	BS 0703 CDSU	BS 0705 CDSU	BS 1004 CDSU	BS 1005 CDSU	BS 0301 CDSU	BS 0302 CDSU	BS 0403 CDSU	BS 0502 CDSU	BS 0503 CDSU	BS 0504 CDSU	BS 0703 CDSU	BS 0705 CDSU	BS 1004 CDSU	BS 1005 CDSU
1R0M	1.0	0.130	0.045	0.033	-	0.030	0.015	-	-	-	-	2.000	2.200	3.800	-	4.500	5.900	-	-	-	-
1R2M	1.2	-	0.050	-	0.050	0.030	0.020	-	-	-	-	-	2.100	-	4.200	4.200	5.200	-	-	-	-
1R4M	1.4	-	-	0.038	-	-	-	-	-	-	-	-	-	3.300	-	-	-	-	-	-	-
1R5M	1.5	0.160	0.055	-	0.060	0.030	0.025	-	-	-	-	1.600	1.700	-	4.000	4.100	4.700	-	-	-	-
1R8M	1.8	-	0.070	0.042	0.065	0.030	0.030	-	-	-	-	-	1.650	2.910	3.700	3.700	4.000	-	-	-	-
2R2M	2.2	0.230	0.085	0.047	0.070	0.030	0.035	-	-	-	-	1.400	1.600	2.600	3.500	3.500	3.800	-	-	-	-
2R7M	2.7	-	0.100	0.052	0.080	0.040	0.040	-	-	-	-	-	1.400	2.430	3.200	3.200	3.400	-	-	-	-
3R3M	3.3	0.300	0.120	0.058	0.100	0.050	0.045	-	-	-	-	1.200	1.050	2.150	2.700	2.800	3.300	-	-	-	-
3R9M	3.9	-	0.125	0.076	0.120	0.060	0.050	-	-	-	-	-	1.000	1.980	2.400	2.600	2.900	-	-	-	-
4R7M	4.7	0.380	0.135	0.094	0.140	0.070	0.060	-	-	-	-	1.000	1.000	1.700	2.000	2.500	2.800	-	-	-	-
5R6M	5.6	-	0.145	0.101	0.150	0.080	0.070	-	-	-	-	-	0.950	1.600	1.800	2.400	2.400	-	-	-	-
6R8M	6.8	0.540	0.200	0.117	0.160	0.090	0.080	-	-	-	-	0.900	0.950	1.410	1.500	2.200	2.100	-	-	-	-
8R2M	8.2	-	0.250	0.132	0.170	0.100	0.090	-	-	-	-	-	0.920	1.260	1.400	2.000	2.000	-	-	-	-
100K	10	0.900	0.320	0.182	0.200	0.120	0.100	0.080	0.070	0.053	0.060	0.700	0.900	1.150	1.300	1.800	1.440	1.440	2.300	2.380	2.600
120K	12	-	0.350	0.210	0.230	0.130	0.120	0.090	0.080	0.061	0.070	-	0.850	1.050	1.100	1.750	1.400	1.390	2.000	2.130	2.450
150K	15	1.160	0.460	0.235	0.250	0.150	0.140	0.100	0.090	0.070	0.080	0.600	0.750	0.920	1.050	1.700	1.300	1.240	1.800	1.870	2.270
180K	18	-	0.520	0.338	0.300	0.180	0.150	0.110	0.100	0.081	0.090	-	0.700	0.840	1.000	1.600	1.230	1.120	1.600	1.730	2.150
220K	22	1.740	0.650	0.378	0.350	0.220	0.180	0.130	0.110	0.088	0.100	0.500	0.600	0.760	0.900	1.500	1.110	1.070	1.500	1.600	1.950
270K	27	-	0.750	0.522	0.400	0.240	0.200	0.150	0.120	0.100	0.110	-	0.550	0.710	0.850	1.400	0.970	0.940	1.300	1.440	1.760
330K	33	2.770	0.920	0.540	0.500	0.300	0.230	0.170	0.130	0.120	0.120	0.380	0.500	0.640	0.750	1.100	0.880	0.850	1.200	1.260	1.500
390K	39	-	1.000	0.587	0.550	0.400	0.320	0.220	0.160	0.151	0.140	-	0.480	0.590	0.700	1.000	0.800	0.740	1.100	1.200	1.370
470K	47	3.600	1.150	0.844	0.650	0.430	0.370	0.250	0.180	0.170	0.170	0.340	0.450	0.540	0.600	0.900	0.720	0.680	1.100	1.100	1.280
560K	56	-	1.500	0.937	0.750	0.500	0.420	0.280	0.240	0.199	0.190	-	0.300	0.500	0.550	0.850	0.680	0.640	0.940	1.010	1.170
680K	68	-	2.000	1.117	0.950	0.600	0.460	0.330	0.280	0.223	0.220	-	0.260	0.460	0.500	0.800	0.610	0.590	0.850	0.910	1.110
820K	82	-	2.150	1.345	1.200	0.800	0.600	0.410	0.370	0.252	0.250	-	0.230	0.450	0.450	0.650	0.580	0.540	0.780	0.850	1.000
101K	100	-	2.500	1.520	1.400	0.900	0.700	0.480	0.430	0.344	0.350	-	0.200	0.440	0.400	0.600	0.520	0.510	0.720	0.740	0.970
121K	120	-	3.400	1.800	1.750	1.000	0.930	0.540	0.470	0.396	0.400	-	0.180	0.430	0.350	0.580	0.480	0.490	0.660	0.690	0.890
151K	150	-	4.200	2.000	2.000	1.300	1.100	0.750	0.640	0.544	0.470	-	0.160	0.420	0.250	0.430	0.400	0.400	0.580	0.610	0.780
181K	180	-	4.500	3.200	2.600	1.500	1.380	0.920	0.710	0.621	0.630	-	0.150	0.380	0.220	0.410	0.380	0.360	0.510	0.560	0.720
221K	220	-	5.100	3.400	3.000	2.000	1.570	1.200	0.960	0.721	0.730	-	0.140	0.360	0.200	0.380	0.350	0.310	0.490	0.530	0.660
271K	270	-	8.500	3.900	3.700	2.500	1.650	1.310	1.110	0.949	0.970	-	0.100	0.340	0.180	0.350	0.320	0.290	0.420	0.450	0.570
331K	330	-	9.500	5.300	4.300	3.200	1.700	1.500	1.260	1.100	1.150	-	0.090	0.280	0.170	0.280	0.280	0.280	0.400	0.420	0.520
391K	390	-	-	5.900	6.000	3.500	1.800	1.800	1.770	1.245	1.300	-	-	0.240	0.160	0.260	0.260	0.260	0.360	0.380	0.480
471K	470	-	17.00	6.800	6.700	4.200	2.300	1.950	1.960	1.526	1.480	-	0.060	0.210	0.150	0.200	0.230	0.230	0.340	0.350	0.420
561K	560	-	-	8.500	-	4.500	2.500	2.300	2.000	1.904	1.900	-	-	0.200	-	0.190	0.200	0.210	0.330	0.320	0.330
681K	680	-	-	10.000	-	6.000	3.000	2.700	2.200	2.200	2.250	-	-	0.180	-	0.180	0.190	0.130	0.320	0.310	0.280
821K	820	-	-	13.400	-	6.500	4.500	3.200	2.900	2.700	2.550	-	-	0.150	-	0.150	0.160	0.110	0.250	0.300	0.240
102K	1000	-	-	15.800	-	8.000	5.800	3.800	3.900	3.500	3.000	-	-	0.140	-	0.130	0.140	0.080	0.200	0.290	0.200

Test Freq. :

- BS0301CDSU 1.0 ~ 470μH (100KHz / 0.1V)
- BS0302CDSU 1.0 ~ 330μH (100KHz / 0.1V)
- BS0403CDSU 1.0 ~ 8.2μH (7.96MHz) , 10 ~ 68μH (2.52MHz) , 82 ~ 1000μH (1KHz / 0.25V)
- BS0502CDSU 1.2 ~ 470μH (100KHz / 0.1V)
- BS0503CDSU 1.0 ~ 8.2μH (7.96MHz) , 10 ~ 82μH (2.52MHz) , 100 ~ 1000μH (1KHz / 0.25V)
- BS0504CDSU 1.0 ~ 8.2μH (7.96MHz) , 10 ~ 82μH (2.52MHz) , 100 ~ 1000μH (1KHz / 0.25V)
- BS0703CDSU 10 ~ 82μH (2.52MHz) , 100 ~ 1000μH (1KHz / 0.25V)
- BS0705CDSU 10 ~ 82μH (2.52MHz) , 100 ~ 1000μH (1KHz / 0.25V)
- BS1004CDSU 10 ~ 82μH (2.52MHz) , 100 ~ 1000μH (1KHz / 0.25V)
- BS1005CDSU 10 ~ 82μH (2.52MHz) , 100 ~ 1000μH (1KHz / 0.25V)

Tolerance :

- 1.0 ~ 8.2μH ± 20%(M)
- 10 ~ 1000μH ± 10%(K)

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SMD POWER INDUCTORS → BS0301CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance	Test Frequency	DC Resistance	IDC
	(μ H)	(KHz)	(Ω)max	(A)max
BS0301CDSU1R0MT	1.0	100	0.130	2.00
BS0301CDSU1R5MT	1.5	100	0.160	1.60
BS0301CDSU2R2MT	2.2	100	0.230	1.40
BS0301CDSU3R3MT	3.3	100	0.300	1.20
BS0301CDSU4R7MT	4.7	100	0.380	1.00
BS0301CDSU6R8MT	6.8	100	0.540	0.90
BS0301CDSU100KT	10.0	100	0.900	0.70
BS0301CDSU150KT	15.0	100	1.160	0.60
BS0301CDSU220KT	22.0	100	1.740	0.50
BS0301CDSU330KT	33.0	100	2.770	0.38
BS0301CDSU470KT	47.0	100	3.600	0.34

Test Freq.:100KHz/0.1V

Tolerance: K \pm 10%,M \pm 20%

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SMD POWER INDUCTORS → BS0302CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	Test Frequency (Hz)	DC Resistance (Ω)max	IDC (A)max
BS0302CDSU1R0MT	1.0	100	0.045	2.20
BS0302CDSU1R2MT	1.2	100	0.050	2.10
BS0302CDSU1R5MT	1.5	100	0.055	1.70
BS0302CDSU1R8MT	1.8	100	0.070	1.65
BS0302CDSU2R2MT	2.2	100	0.085	1.60
BS0302CDSU2R7MT	2.7	100	0.100	1.40
BS0302CDSU3R3MT	3.3	100	0.120	1.05
BS0302CDSU3R9MT	3.9	100	0.125	1.00
BS0302CDSU4R7MT	4.7	100	0.135	1.00
BS0302CDSU5R6MT	5.6	100	0.145	0.95
BS0302CDSU6R8MT	6.8	100	0.200	0.95
BS0302CDSU8R2MT	8.2	100	0.250	0.92
BS0302CDSU100KT	10.0	100	0.320	0.90
BS0302CDSU120KT	12.0	100	0.350	0.85
BS0302CDSU150KT	15.0	100	0.460	0.75
BS0302CDSU180KT	18.0	100	0.520	0.70
BS0302CDSU220KT	22.0	100	0.650	0.60
BS0302CDSU270KT	27.0	100	0.750	0.55
BS0302CDSU330KT	33.0	100	0.920	0.50
BS0302CDSU390KT	39.0	100	1.000	0.48
BS0302CDSU470KT	47.0	100	1.150	0.45
BS0302CDSU560KT	56.0	100	1.500	0.30
BS0302CDSU680KT	68.0	100	2.000	0.26
BS0302CDSU820KT	82.0	100	2.150	0.23
BS0302CDSU101KT	100.0	100	2.500	0.20
BS0302CDSU121KT	120.0	100	3.400	0.18
BS0302CDSU151KT	150.0	100	4.200	0.16
BS0302CDSU181KT	180.0	100	4.500	0.15
BS0302CDSU221KT	220.0	100	5.100	0.14
BS0302CDSU271KT	270.0	100	8.500	0.10
BS0302CDSU331KT	330.0	100	9.500	0.09
BS0302CDSU471KT	470.0	100	17.00	0.06

Test Freq.:100KHz/0.1V

Tolerance: K \pm 10%,M \pm 20%

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SMD POWER INDUCTORS → BS0403CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	Test Frequency (Hz)	DC Resistance (Ω)max	IDC (A)max
BS0403CDSU1R0MT	1.0	7.96M	0.033	3.80
BS0403CDSU1R4MT	1.4	7.96M	0.038	3.30
BS0403CDSU1R8MT	1.8	7.96M	0.042	2.91
BS0403CDSU2R2MT	2.2	7.96M	0.047	2.60
BS0403CDSU2R7MT	2.7	7.96M	0.052	2.43
BS0403CDSU3R3MT	3.3	7.96M	0.058	2.15
BS0403CDSU3R9MT	3.9	7.96M	0.076	1.98
BS0403CDSU4R7MT	4.7	7.96M	0.094	1.70
BS0403CDSU5R6MT	5.6	7.96M	0.101	1.60
BS0403CDSU6R8MT	6.8	7.96M	0.117	1.41
BS0403CDSU8R2MT	8.2	7.96M	0.132	1.26
BS0403CDSU100KT	10.0	2.52M	0.182	1.15
BS0403CDSU120KT	12.0	2.52M	0.210	1.05
BS0403CDSU150KT	15.0	2.52M	0.235	0.92
BS0403CDSU180KT	18.0	2.52M	0.338	0.84
BS0403CDSU220KT	22.0	2.52M	0.378	0.76
BS0403CDSU270KT	27.0	2.52M	0.522	0.71
BS0403CDSU330KT	33.0	2.52M	0.540	0.64
BS0403CDSU390KT	39.0	2.52M	0.587	0.59
BS0403CDSU470KT	47.0	2.52M	0.844	0.54
BS0403CDSU560KT	56.0	2.52M	0.937	0.50
BS0403CDSU680KT	68.0	2.52M	1.117	0.46
BS0403CDSU820KT	82.0	1K	1.345	0.45
BS0403CDSU101KT	100.0	1K	1.520	0.44
BS0403CDSU121KT	120.0	1K	1.800	0.43
BS0403CDSU151KT	150.0	1K	2.000	0.42
BS0403CDSU181KT	180.0	1K	3.200	0.38
BS0403CDSU221KT	220.0	1K	3.400	0.36
BS0403CDSU271KT	270.0	1K	3.900	0.34
BS0403CDSU331KT	330.0	1K	5.300	0.28
BS0403CDSU391KT	390.0	1K	5.900	0.24
BS0403CDSU471KT	470.0	1K	6.800	0.21
BS0403CDSU561KT	560.0	1K	8.500	0.20
BS0403CDSU681KT	680.0	1K	10.000	0.18
BS0403CDSU821KT	820.0	1K	13.400	0.15
BS0403CDSU102KT	1000.0	1K	15.600	0.14

Test Freq.:BS0403CDSU 1.0 ~ 8.2 μ H (7.96MHz) , 10 ~ 68 μ H (2.52MHz) , 82 ~ 1000 μ H (1KHz / 0.25V)

Tolerance: K \pm 10%,M \pm 20%

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SMD POWER INDUCTORS → BS0502CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω)max	IDC (A)max
BS0502CDSU1R2MT	1.2	100	0.050	4.20
BS0502CDSU1R5MT	1.5	100	0.060	4.00
BS0502CDSU1R8MT	1.8	100	0.065	3.70
BS0502CDSU2R2MT	2.2	100	0.070	3.50
BS0502CDSU2R7MT	2.7	100	0.080	3.20
BS0502CDSU3R3MT	3.3	100	0.100	2.70
BS0502CDSU3R9MT	3.9	100	0.120	2.40
BS0502CDSU4R7MT	4.7	100	0.140	2.00
BS0502CDSU5R6MT	5.6	100	0.150	1.80
BS0502CDSU6R8MT	6.8	100	0.160	1.50
BS0502CDSU8R2MT	8.2	100	0.170	1.40
BS0502CDSU100KT	10.0	100	0.200	1.30
BS0502CDSU120KT	12.0	100	0.230	1.10
BS0502CDSU150KT	15.0	100	0.250	1.05
BS0502CDSU180KT	18.0	100	0.300	1.00
BS0502CDSU220KT	22.0	100	0.350	0.90
BS0502CDSU270KT	27.0	100	0.400	0.85
BS0502CDSU330KT	33.0	100	0.500	0.75
BS0502CDSU390KT	39.0	100	0.550	0.70
BS0502CDSU470KT	47.0	100	0.650	0.60
BS0502CDSU560KT	56.0	100	0.750	0.55
BS0502CDSU680KT	68.0	100	0.950	0.50
BS0502CDSU820KT	82.0	100	1.200	0.45
BS0502CDSU101KT	100.0	100	1.400	0.40
BS0502CDSU121KT	120.0	100	1.750	0.35
BS0502CDSU151KT	150.0	100	2.000	0.25
BS0502CDSU181KT	180.0	100	2.600	0.22
BS0502CDSU221KT	220.0	100	3.000	0.20
BS0502CDSU271KT	270.0	100	3.700	0.18
BS0502CDSU331KT	330.0	100	4.300	0.17
BS0502CDSU391KT	390.0	100	6.000	0.16
BS0502CDSU471KT	470.0	100	6.700	0.15

Test Freq.:100KHz/0.1V

Tolerance: K \pm 10%,M \pm 20%

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SMD POWER INDUCTORS → BS0503CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω)max	IDC (A)max
BS0503CDSU1R0MT	1.0	7.96M	0.030	4.50
BS0503CDSU1R2MT	1.2	7.96M	0.030	4.20
BS0503CDSU1R5MT	1.5	7.96M	0.030	4.10
BS0503CDSU1R8MT	1.8	7.96M	0.030	3.70
BS0503CDSU2R2MT	2.2	7.96M	0.030	3.50
BS0503CDSU2R7MT	2.7	7.96M	0.040	3.20
BS0503CDSU3R3MT	3.3	7.96M	0.050	2.80
BS0503CDSU3R9MT	3.9	7.96M	0.060	2.60
BS0503CDSU4R7MT	4.7	7.96M	0.070	2.50
BS0503CDSU5R6MT	5.6	7.96M	0.080	2.40
BS0503CDSU6R8MT	6.8	7.96M	0.090	2.20
BS0503CDSU8R2MT	8.2	7.96M	0.100	2.00
BS0503CDSU100KT	10.0	2.52M	0.120	1.80
BS0503CDSU120KT	12.0	2.52M	0.130	1.75
BS0503CDSU150KT	15.0	2.52M	0.150	1.70
BS0503CDSU180KT	18.0	2.52M	0.180	1.60
BS0503CDSU220KT	22.0	2.52M	0.220	1.50
BS0503CDSU270KT	27.0	2.52M	0.240	1.40
BS0503CDSU330KT	33.0	2.52M	0.300	1.10
BS0503CDSU390KT	39.0	2.52M	0.400	1.00
BS0503CDSU470KT	47.0	2.52M	0.430	0.90
BS0503CDSU560KT	56.0	2.52M	0.500	0.85
BS0503CDSU680KT	68.0	2.52M	0.600	0.80
BS0503CDSU820KT	82.0	2.52M	0.800	0.65
BS0503CDSU101KT	100.0	1K	0.900	0.60
BS0503CDSU121KT	120.0	1K	1.000	0.58
BS0503CDSU151KT	150.0	1K	1.300	0.43
BS0503CDSU181KT	180.0	1K	1.500	0.41
BS0503CDSU221KT	220.0	1K	2.000	0.38
BS0503CDSU271KT	270.0	1K	2.500	0.35
BS0503CDSU331KT	330.0	1K	3.200	0.28
BS0503CDSU391KT	390.0	1K	3.500	0.26
BS0503CDSU471KT	470.0	1K	4.200	0.20
BS0503CDSU561KT	560.0	1K	4.500	0.19
BS0503CDSU681KT	680.0	1K	6.000	0.18
BS0503CDSU821KT	820.0	1K	6.500	0.15
BS0503CDSU102KT	1000.0	1K	8.000	0.13

Test Freq.: 1.0 ~ 8.2 μH (7.96MHz) , 10 ~ 82 μH (2.52MHz) , 100 ~ 1000 μH (1KHz / 0.25V)

Tolerance: K \pm 10%,M \pm 20%

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SMD POWER INDUCTORS → BS0504CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω)max	IDC (A)max
BS0504CDSU1R0MT	1.0	7.96M	0.015	5.90
BS0504CDSU1R2MT	1.2	7.96M	0.020	5.20
BS0504CDSU1R5MT	1.5	7.96M	0.025	4.70
BS0504CDSU1R8MT	1.8	7.96M	0.030	4.00
BS0504CDSU2R2MT	2.2	7.96M	0.035	3.80
BS0504CDSU2R7MT	2.7	7.96M	0.040	3.40
BS0504CDSU3R3MT	3.3	7.96M	0.045	3.30
BS0504CDSU3R9MT	3.9	7.96M	0.050	2.90
BS0504CDSU4R7MT	4.7	7.96M	0.060	2.80
BS0504CDSU5R6MT	5.6	7.96M	0.070	2.40
BS0504CDSU6R8MT	6.8	7.96M	0.080	2.10
BS0504CDSU8R2MT	8.2	7.96M	0.090	2.00
BS0504CDSU100KT	10.0	2.52M	0.100	1.44
BS0504CDSU120KT	12.0	2.52M	0.120	1.40
BS0504CDSU150KT	15.0	2.52M	0.140	1.30
BS0504CDSU180KT	18.0	2.52M	0.150	1.23
BS0504CDSU220KT	22.0	2.52M	0.180	1.11
BS0504CDSU270KT	27.0	2.52M	0.200	0.97
BS0504CDSU330KT	33.0	2.52M	0.230	0.88
BS0504CDSU390KT	39.0	2.52M	0.320	0.80
BS0504CDSU470KT	47.0	2.52M	0.370	0.72
BS0504CDSU560KT	56.0	2.52M	0.420	0.68
BS0504CDSU680KT	68.0	2.52M	0.460	0.61
BS0504CDSU820KT	82.0	2.52M	0.600	0.58
BS0504CDSU101KT	100.0	1K	0.700	0.52
BS0504CDSU121KT	120.0	1K	0.930	0.48
BS0504CDSU151KT	150.0	1K	1.100	0.40
BS0504CDSU181KT	180.0	1K	1.380	0.38
BS0504CDSU221KT	220.0	1K	1.570	0.35
BS0504CDSU271KT	270.0	1K	1.650	0.32
BS0504CDSU331KT	330.0	1K	1.700	0.28
BS0504CDSU391KT	390.0	1K	1.800	0.26
BS0504CDSU471KT	470.0	1K	2.300	0.23
BS0504CDSU561KT	560.0	1K	2.500	0.20
BS0504CDSU681KT	680.0	1K	3.000	0.19
BS0504CDSU821KT	820.0	1K	4.500	0.16
BS0504CDSU102KT	1000.0	1K	5.800	0.14

Test Freq.: 1.0 ~ 8.2 μH (7.96MHz) , 10 ~ 82 μH (2.52MHz) , 100 ~ 1000 μH (1KHz / 0.25V)

Tolerance: K \pm 10%,M \pm 20%

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SMD POWER INDUCTORS → BS0703CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	Test Frequency (Hz)	DC Resistance (Ω)max	IDC (A)max
BS0703CDSU100KT	10.0	2.52M	0.080	1.44
BS0703CDSU120KT	12.0	2.52M	0.090	1.39
BS0703CDSU150KT	15.0	2.52M	0.100	1.24
BS0703CDSU180KT	18.0	2.52M	0.110	1.12
BS0703CDSU220KT	22.0	2.52M	0.130	1.07
BS0703CDSU270KT	27.0	2.52M	0.150	0.94
BS0703CDSU330KT	33.0	2.52M	0.170	0.85
BS0703CDSU390KT	39.0	2.52M	0.220	0.74
BS0703CDSU470KT	47.0	2.52M	0.250	0.68
BS0703CDSU560KT	56.0	2.52M	0.280	0.64
BS0703CDSU680KT	68.0	2.52M	0.330	0.59
BS0703CDSU820KT	82.0	2.52M	0.410	0.54
BS0703CDSU101KT	100.0	1K	0.480	0.51
BS0703CDSU121KT	120.0	1K	0.540	0.49
BS0703CDSU151KT	150.0	1K	0.750	0.40
BS0703CDSU181KT	180.0	1K	1.020	0.36
BS0703CDSU221KT	220.0	1K	1.200	0.31
BS0703CDSU271KT	270.0	1K	1.310	0.29
BS0703CDSU331KT	330.0	1K	1.500	0.28
BS0703CDSU391KT	390.0	1K	1.800	0.26
BS0703CDSU471KT	470.0	1K	1.950	0.23
BS0703CDSU561KT	560.0	1K	2.300	0.21
BS0703CDSU681KT	680.0	1K	2.700	0.13
BS0703CDSU821KT	820.0	1K	3.200	0.11
BS0703CDSU102KT	1000.0	1K	3.800	0.08

Test Freq.:10 ~ 82 μ H (2.52MHz) , 100 ~ 1000 μ H (1KHz / 0.25V)

Tolerance: K \pm 10%,M \pm 20%

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SMD POWER INDUCTORS → BS0705CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω)max	IDC (A)max
BS0705CDSU100KT	10.0	2.52M	0.070	2.30
BS0705CDSU120KT	12.0	2.52M	0.080	2.00
BS0705CDSU150KT	15.0	2.52M	0.090	1.80
BS0705CDSU180KT	18.0	2.52M	0.100	1.60
BS0705CDSU220KT	22.0	2.52M	0.110	1.50
BS0705CDSU270KT	27.0	2.52M	0.120	1.30
BS0705CDSU330KT	33.0	2.52M	0.130	1.20
BS0705CDSU390KT	39.0	2.52M	0.160	1.10
BS0705CDSU470KT	47.0	2.52M	0.180	1.10
BS0705CDSU560KT	56.0	2.52M	0.240	0.94
BS0705CDSU680KT	68.0	2.52M	0.280	0.85
BS0705CDSU820KT	82.0	2.52M	0.370	0.78
BS0705CDSU101KT	100.0	1K	0.430	0.72
BS0705CDSU121KT	120.0	1K	0.470	0.66
BS0705CDSU151KT	150.0	1K	0.640	0.58
BS0705CDSU181KT	180.0	1K	0.710	0.51
BS0705CDSU221KT	220.0	1K	0.960	0.49
BS0705CDSU271KT	270.0	1K	1.110	0.42
BS0705CDSU331KT	330.0	1K	1.260	0.40
BS0705CDSU391KT	390.0	1K	1.770	0.36
BS0705CDSU471KT	470.0	1K	1.960	0.34
BS0705CDSU561KT	560.0	1K	2.000	0.33
BS0705CDSU681KT	680.0	1K	2.200	0.32
BS0705CDSU821KT	820.0	1K	2.900	0.25
BS0705CDSU102KT	1000.0	1K	3.900	0.20

Test Freq.:10 ~ 82 μH (2.52MHz) , 100 ~ 1000 μH (1KHz / 0.25V)

Tolerance: K \pm 10%,M \pm 20%

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SMD POWER INDUCTORS → BS1004CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω)max	IDC (A)max
BS1004CDSU100KT	10.0	2.52M	0.053	2.38
BS1004CDSU120KT	12.0	2.52M	0.061	2.13
BS1004CDSU150KT	15.0	2.52M	0.070	1.87
BS1004CDSU180KT	18.0	2.52M	0.081	1.73
BS1004CDSU220KT	22.0	2.52M	0.088	1.60
BS1004CDSU270KT	27.0	2.52M	0.100	1.44
BS1004CDSU330KT	33.0	2.52M	0.120	1.26
BS1004CDSU390KT	39.0	2.52M	0.151	1.20
BS1004CDSU470KT	47.0	2.52M	0.170	1.10
BS1004CDSU560KT	56.0	2.52M	0.199	1.01
BS1004CDSU680KT	68.0	2.52M	0.223	0.91
BS1004CDSU820KT	82.0	2.52M	0.252	0.85
BS1004CDSU101KT	100.0	1K	0.344	0.74
BS1004CDSU121KT	120.0	1K	0.396	0.69
BS1004CDSU151KT	150.0	1K	0.544	0.61
BS1004CDSU181KT	180.0	1K	0.621	0.56
BS1004CDSU221KT	220.0	1K	0.721	0.53
BS1004CDSU271KT	270.0	1K	0.949	0.45
BS1004CDSU331KT	330.0	1K	1.100	0.42
BS1004CDSU391KT	390.0	1K	1.245	0.38
BS1004CDSU471KT	470.0	1K	1.526	0.35
BS1004CDSU561KT	560.0	1K	1.904	0.32
BS1004CDSU681KT	680.0	1K	2.200	0.31
BS1004CDSU821KT	820.0	1K	2.700	0.30
BS1004CDSU102KT	1000.0	1K	3.500	0.29

Test Freq.: 10 ~ 82 μH (2.52MHz) , 100 ~ 1000 μH (1KHz / 0.25V)

Tolerance: K \pm 10%, M \pm 20%

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SMD POWER INDUCTORS → BS1005CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	Test Frequency (Hz)	DC Resistance (Ω)max	IDC (A)max
BS1005CDSU100KT	10.0	2.52M	0.060	2.60
BS1005CDSU120KT	12.0	2.52M	0.070	2.45
BS1005CDSU150KT	15.0	2.52M	0.080	2.27
BS1005CDSU180KT	18.0	2.52M	0.090	2.15
BS1005CDSU220KT	22.0	2.52M	0.100	1.95
BS1005CDSU270KT	27.0	2.52M	0.110	1.76
BS1005CDSU330KT	33.0	2.52M	0.120	1.50
BS1005CDSU390KT	39.0	2.52M	0.140	1.37
BS1005CDSU470KT	47.0	2.52M	0.170	1.28
BS1005CDSU560KT	56.0	2.52M	0.190	1.17
BS1005CDSU680KT	68.0	2.52M	0.220	1.11
BS1005CDSU820KT	82.0	2.52M	0.250	1.00
BS1005CDSU101KT	100.0	1K	0.350	0.97
BS1005CDSU121KT	120.0	1K	0.400	0.89
BS1005CDSU151KT	150.0	1K	0.470	0.78
BS1005CDSU181KT	180.0	1K	0.630	0.72
BS1005CDSU221KT	220.0	1K	0.730	0.66
BS1005CDSU271KT	270.0	1K	0.970	0.57
BS1005CDSU331KT	330.0	1K	1.150	0.52
BS1005CDSU391KT	390.0	1K	1.300	0.48
BS1005CDSU471KT	470.0	1K	1.480	0.42
BS1005CDSU561KT	560.0	1K	1.900	0.33
BS1005CDSU681KT	680.0	1K	2.250	0.28
BS1005CDSU821KT	820.0	1K	2.550	0.24
BS1005CDSU102KT	1000.0	1K	3.000	0.20

Test Freq.:10 ~ 82 μ H (2.52MHz) , 100 ~ 1000 μ H (1KHz / 0.25V)

Tolerance: K \pm 10%,M \pm 20%

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