

SPECIFICATION OF BS□□□□CDSU SERIES

FEATURES

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



APPLICATIONS

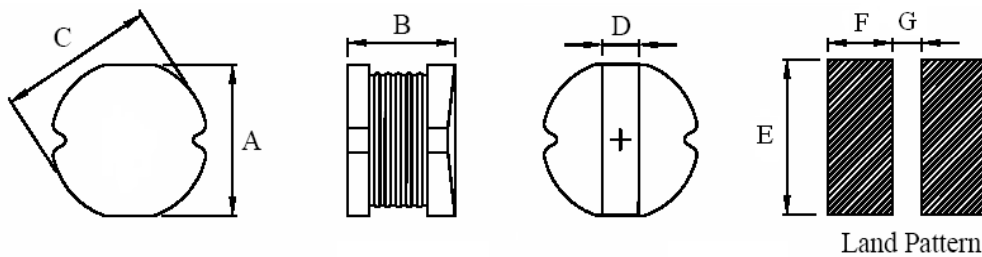
VTR , QA equipment , LCD television set , nootbook PC , portable communication equipments , DC to DC converters , etc.



ORDERING CODE

BS0403CDSU 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
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 → BS0403CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω)max	Isat (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 μH (7.96MHz) , 10 ~ 68 μH (2.52MHz) , 82 ~ 1000 μH (1KHz / 0.25V)

Tolerance: K \pm 10%,M \pm 20% ※Isat:Based on Inductance decrease 10%

※Operating temperature range : -40°C ~ +125°C (including self-heating)

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