

SPECIFICATION OF BS□□□□CDSU SERIES

FEATURES

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



APPLICATIONS

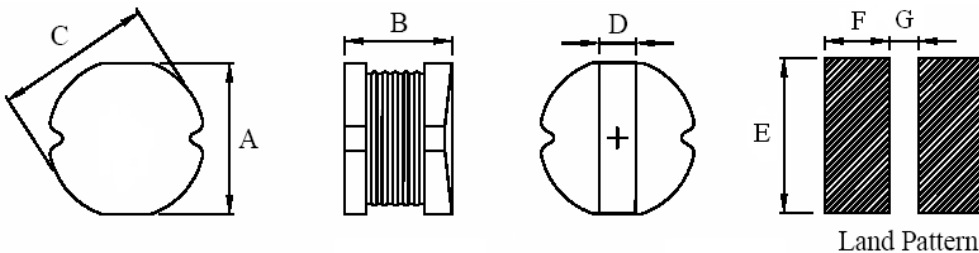
VTR , QA equipment , LCD television set , notebook PC , portable communication equipments , DC to DC converters , etc.



ORDERING CODE

BS0503CDSU 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



Land Pattern

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 → BS0503CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω)max	Isat (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%

※Isat: Based on Inductance decrease 10%

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

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