

SPECIFICATION OF BS□□□□CDSU SERIES

FEATURES

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



APPLICATIONS

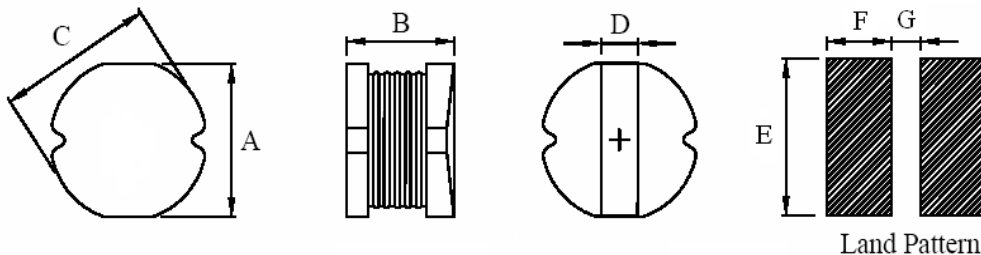
VTR , QA equipment , LCD television set , notebook PC , portable communication equipments , DC to DC converters , etc.



ORDERING CODE

BS0703CDSU 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 → BS0703CDSU SERIES

ELECTRICAL CHARACTERISTIC

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

※Isat:Based on Inductance decrease 10%

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

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