

SPECIFICATION OF BS□□□□CDSU SERIES

FEATURES

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



APPLICATIONS

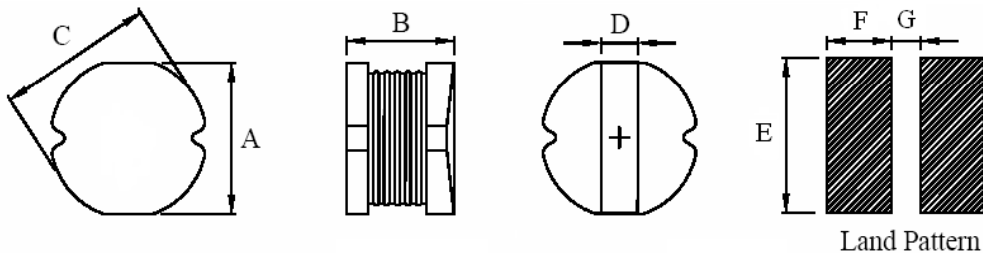
VTR , QA equipment , LCD television set , notebook PC , portable communication equipments , DC to DC converters , etc.



ORDERING CODE

BS0705CDSU 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 → BS0705CDSU SERIES

ELECTRICAL CHARACTERISTIC

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

※Isat: Based on Inductance decrease 10%

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

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