

SPECIFICATION OF BS□□□□CDSU SERIES

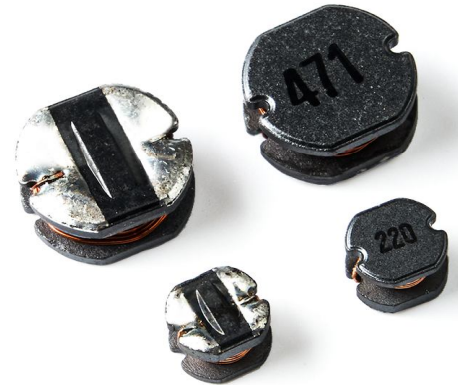
FEATURES

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



APPLICATIONS

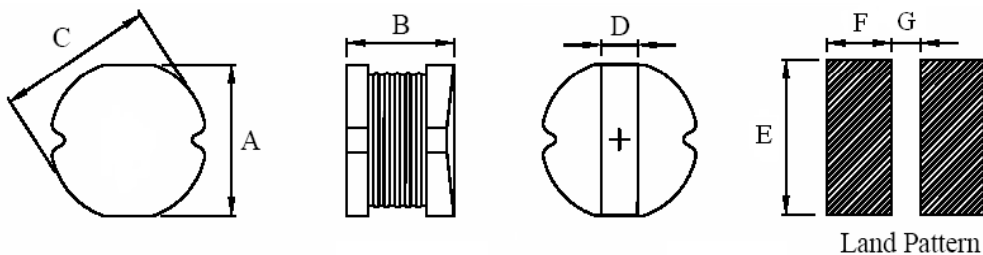
VTR , QA equipment , LCD television set , nootbook
PC , portable communication equipments , DC to DC
converters , etc.



ORDERING CODE

BS0502CDSU 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 → BS0502CDSU SERIES

ELECTRICAL CHARACTERISTIC

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

※Isat:Based on Inductance decrease 10%

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

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