

SPECIFICATION OF BS□□□□CDSU SERIES

FEATURES

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



APPLICATIONS

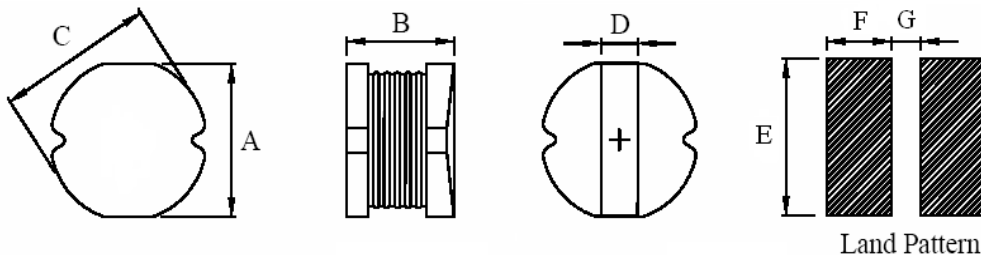
VTR , QA equipment , LCD television set , nootbook PC , portable communication equipments , DC to DC converters , etc.



ORDERING CODE

BS0504CDSU 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 → BS0504CDSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	Test Frequency (Hz)	DC Resistance (Ω)max	Isat (A)max
BS0504CDSU1R0MT	1.0	7.96M	0.015	5.90
BS0504CDSU1R2MT	1.2	7.96M	0.020	5.20
BS0504CDSU1R5MT	1.5	7.96M	0.025	4.70
BS0504CDSU1R8MT	1.8	7.96M	0.030	4.00
BS0504CDSU2R2MT	2.2	7.96M	0.035	3.80
BS0504CDSU2R7MT	2.7	7.96M	0.040	3.40
BS0504CDSU3R3MT	3.3	7.96M	0.045	3.30
BS0504CDSU3R9MT	3.9	7.96M	0.050	2.90
BS0504CDSU4R7MT	4.7	7.96M	0.060	2.80
BS0504CDSU5R6MT	5.6	7.96M	0.070	2.40
BS0504CDSU6R8MT	6.8	7.96M	0.080	2.10
BS0504CDSU8R2MT	8.2	7.96M	0.090	2.00
BS0504CDSU100KT	10.0	2.52M	0.100	1.44
BS0504CDSU120KT	12.0	2.52M	0.120	1.40
BS0504CDSU150KT	15.0	2.52M	0.140	1.30
BS0504CDSU180KT	18.0	2.52M	0.150	1.23
BS0504CDSU220KT	22.0	2.52M	0.180	1.11
BS0504CDSU270KT	27.0	2.52M	0.200	0.97
BS0504CDSU330KT	33.0	2.52M	0.230	0.88
BS0504CDSU390KT	39.0	2.52M	0.320	0.80
BS0504CDSU470KT	47.0	2.52M	0.370	0.72
BS0504CDSU560KT	56.0	2.52M	0.420	0.68
BS0504CDSU680KT	68.0	2.52M	0.460	0.61
BS0504CDSU820KT	82.0	2.52M	0.600	0.58
BS0504CDSU101KT	100.0	1K	0.700	0.52
BS0504CDSU121KT	120.0	1K	0.930	0.48
BS0504CDSU151KT	150.0	1K	1.100	0.40
BS0504CDSU181KT	180.0	1K	1.380	0.38
BS0504CDSU221KT	220.0	1K	1.570	0.35
BS0504CDSU271KT	270.0	1K	1.650	0.32
BS0504CDSU331KT	330.0	1K	1.700	0.28
BS0504CDSU391KT	390.0	1K	1.800	0.26
BS0504CDSU471KT	470.0	1K	2.300	0.23
BS0504CDSU561KT	560.0	1K	2.500	0.20
BS0504CDSU681KT	680.0	1K	3.000	0.19
BS0504CDSU821KT	820.0	1K	4.500	0.16
BS0504CDSU102KT	1000.0	1K	5.800	0.14

Test Freq.: 1.0 ~ 8.2 μ H (7.96MHz) , 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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