

# SPECIFICATION OF BS□□□□CDSU SERIES

## FEATURES

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



## APPLICATIONS

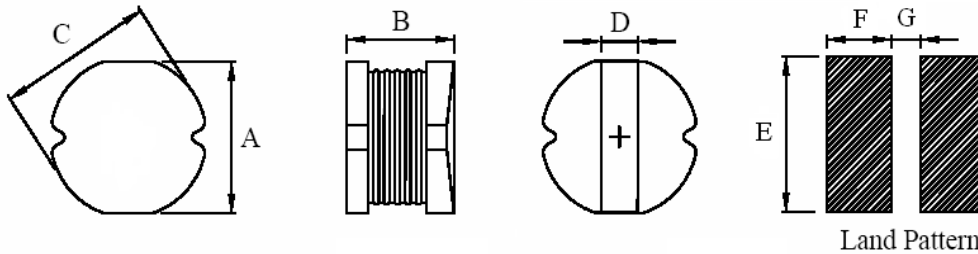
VTR , QA equipment , LCD television set , notebook PC , portable communication equipments , DC to DC converters , etc.



## ORDERING CODE

BS1004CDSU 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

※All the data listed in this catalogue are for reference only, King Core reserves the right to alter or revise the specifications without prior notification.

# SMD POWER INDUCTORS → BS1004CDSU SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (Hz)	DC Resistance ( $\Omega$ )max	Isat (A)max
BS1004CDSU100KT	10.0	2.52M	0.053	2.38
BS1004CDSU120KT	12.0	2.52M	0.061	2.13
BS1004CDSU150KT	15.0	2.52M	0.070	1.87
BS1004CDSU180KT	18.0	2.52M	0.081	1.73
BS1004CDSU220KT	22.0	2.52M	0.088	1.60
BS1004CDSU270KT	27.0	2.52M	0.100	1.44
BS1004CDSU330KT	33.0	2.52M	0.120	1.26
BS1004CDSU390KT	39.0	2.52M	0.151	1.20
BS1004CDSU470KT	47.0	2.52M	0.170	1.10
BS1004CDSU560KT	56.0	2.52M	0.199	1.01
BS1004CDSU680KT	68.0	2.52M	0.223	0.91
BS1004CDSU820KT	82.0	2.52M	0.252	0.85
BS1004CDSU101KT	100.0	1K	0.344	0.74
BS1004CDSU121KT	120.0	1K	0.396	0.69
BS1004CDSU151KT	150.0	1K	0.544	0.61
BS1004CDSU181KT	180.0	1K	0.621	0.56
BS1004CDSU221KT	220.0	1K	0.721	0.53
BS1004CDSU271KT	270.0	1K	0.949	0.45
BS1004CDSU331KT	330.0	1K	1.100	0.42
BS1004CDSU391KT	390.0	1K	1.245	0.38
BS1004CDSU471KT	470.0	1K	1.526	0.35
BS1004CDSU561KT	560.0	1K	1.904	0.32
BS1004CDSU681KT	680.0	1K	2.200	0.31
BS1004CDSU821KT	820.0	1K	2.700	0.30
BS1004CDSU102KT	1000.0	1K	3.500	0.29

Test Freq.: 10 ~ 82 $\mu$ H (2.52MHz) , 100 ~ 1000 $\mu$ 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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