

# SPECIFICATION OF BS□□□□CDSU SERIES

## FEATURES

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



## APPLICATIONS

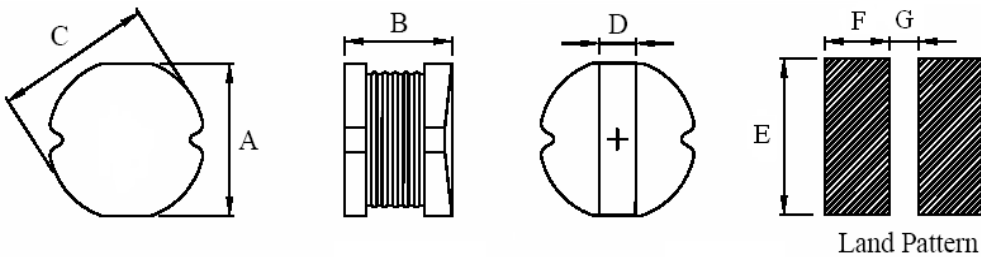
VTR , QA equipment , LCD television set , nootbook PC , portable communication equipments , DC to DC converters , etc.



## ORDERING CODE

BS0302CDSU 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 → BS0302CDSU SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ )max	Isat (A)max
BS0302CDSU1R0MT	1.0	100	0.045	2.20
BS0302CDSU1R2MT	1.2	100	0.050	2.10
BS0302CDSU1R5MT	1.5	100	0.055	1.70
BS0302CDSU1R8MT	1.8	100	0.070	1.65
BS0302CDSU2R2MT	2.2	100	0.085	1.60
BS0302CDSU2R7MT	2.7	100	0.100	1.40
BS0302CDSU3R3MT	3.3	100	0.120	1.05
BS0302CDSU3R9MT	3.9	100	0.125	1.00
BS0302CDSU4R7MT	4.7	100	0.135	1.00
BS0302CDSU5R6MT	5.6	100	0.145	0.95
BS0302CDSU6R8MT	6.8	100	0.200	0.95
BS0302CDSU8R2MT	8.2	100	0.250	0.92
BS0302CDSU100KT	10.0	100	0.320	0.90
BS0302CDSU120KT	12.0	100	0.350	0.85
BS0302CDSU150KT	15.0	100	0.460	0.75
BS0302CDSU180KT	18.0	100	0.520	0.70
BS0302CDSU220KT	22.0	100	0.650	0.60
BS0302CDSU270KT	27.0	100	0.750	0.55
BS0302CDSU330KT	33.0	100	0.920	0.50
BS0302CDSU390KT	39.0	100	1.000	0.48
BS0302CDSU470KT	47.0	100	1.150	0.45
BS0302CDSU560KT	56.0	100	1.500	0.30
BS0302CDSU680KT	68.0	100	2.000	0.26
BS0302CDSU820KT	82.0	100	2.150	0.23
BS0302CDSU101KT	100.0	100	2.500	0.20
BS0302CDSU121KT	120.0	100	3.400	0.18
BS0302CDSU151KT	150.0	100	4.200	0.16
BS0302CDSU181KT	180.0	100	4.500	0.15
BS0302CDSU221KT	220.0	100	5.100	0.14
BS0302CDSU271KT	270.0	100	8.500	0.10
BS0302CDSU331KT	330.0	100	9.500	0.09
BS0302CDSU471KT	470.0	100	17.00	0.06

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)

※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.