

SPECIFICATION OF BSFQ□□□□CDKC SERIES

AEC-Q200



FEATURES

1. High saturation current inductor with ferrite core and magnetic shielding design.
2. Low profile : Surface mounting(SMT) type and thickness with 2.0 to 5.0 mm for different size.
3. Low loss realized with low DCR.
4. Compatible with Pb-free RoHS and AEC-Q200.

APPLICATIONS

1. Automotive application



ORDERING CODE

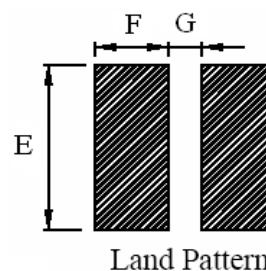
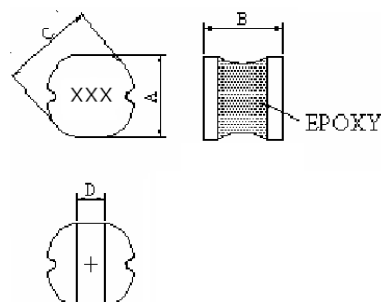
BSFQ1004CDKC 100 M T
(1) (2) (3)(4)

(1) PRODUCT TYPE CODE AND SIZE CODE

(2) INDUCTANCE

(3) INDUCTANCE TOLERANCE (K : $\pm 10\%$, M : $\pm 20\%$)

(4) REEL TAPING



SHAPE & DIMENSIONS

UNIT:mm

SIZE CODE	A	B	C	D Typ.	E	F	G		
BSFQ0318CDKC	3.0 $\pm$ 0.3	1.9(max)	3.5 $\pm$ 0.3	1.2	3.5	1.60	0.8		
BSFQ0302CDKC	3.0 $\pm$ 0.3	2.3(max)	3.5 $\pm$ 0.3	1.2	3.5	1.60	0.8		
BSFQ0402CDKC	4.0 $\pm$ 0.3	2.2 $\pm$ 0.3	4.5 $\pm$ 0.3	1.5	4.5	2.10	0.8		
BSFQ0403CDKC	4.0 $\pm$ 0.3	3.2 $\pm$ 0.3	4.5 $\pm$ 0.3	1.5	4.5	2.10	0.8		
BSFQ0502CDKC	5.2 $\pm$ 0.3	2.5 $\pm$ 0.3	5.8 $\pm$ 0.3	2.0	5.5	2.25	1.5		
BSFQ0503CDKC	5.2 $\pm$ 0.3	3.0 $\pm$ 0.3	5.8 $\pm$ 0.3	2.0	5.5	2.25	1.5		
BSFQ0504CDKC	5.2 $\pm$ 0.3	4.5 $\pm$ 0.3	5.8 $\pm$ 0.3	2.0	5.5	2.25	1.5		
BSFQ0703CDKC	7.0 $\pm$ 0.3	3.5 $\pm$ 0.3	7.8 $\pm$ 0.3	2.5	7.5	3.05	1.9		
BSFQ0705CDKC	7.0 $\pm$ 0.3	5.0 $\pm$ 0.3	7.8 $\pm$ 0.3	2.5	7.5	3.05	1.9		
BSFQ1004CDKC	9.0 $\pm$ 0.3	4.0 $\pm$ 0.3	10.0 $\pm$ 0.3	2.9	9.5	3.65	2.5		
BSFQ1005CDKC	9.0 $\pm$ 0.3	5.4 $\pm$ 0.3	10.0 $\pm$ 0.3	2.9	9.5	3.65	2.5		
BSFQ1006CDKC	9.0 $\pm$ 0.3	6.8 $\pm$ 0.3	10.0 $\pm$ 0.3	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.



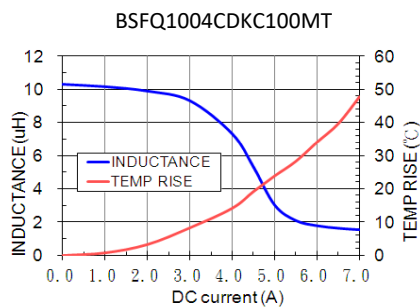
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SMD POWER INDUCTORS → BSFQ1004CDKC SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	DC Resistance (m Ω)max	SRF (MHz)min	Isat (A)max	IDC (A)max
BSFQ1004CDKC100MT	10	40	15	3.60	4.60



Test Freq.:100KHz/1V

Tolerance: K $\pm$ 10%,M $\pm$ 20%

※Isat:Based on Inductance decrease 30%

※IDC:Based on Temperature increase 40 $^{\circ}$ C

※Operating temperature range : -40 to +125 $^{\circ}$ C (including self-generated heat)

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