

SMD POWER INDUCTOR CKCS Series

磁胶电感 CKCS 系列

● FEATURES 特性

1.表面贴装,小型、超薄电感器,大功率,高饱和,低电阻之特性.

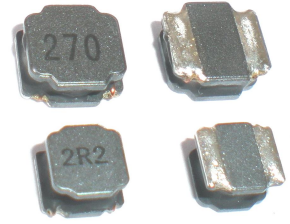
The inductor designed as surface mounting, smallest and thinnest with high power, high saturation and low resistance

2.磁性胶水涂敷结构极大减少了噪声,闭合磁路结构设计,漏磁少,抗EMI能力强.

Magnetic-resin shielded structure reduces buzz noise to ultra-low levels, Closed magnetic circuit structure reduces magnetic leakage flux, high performance of anti-EMI.

3.同等尺寸额定电流较传统电感高出30%以上.

Compared with the same size part, the rated current 30% higher than the traditional inductors.

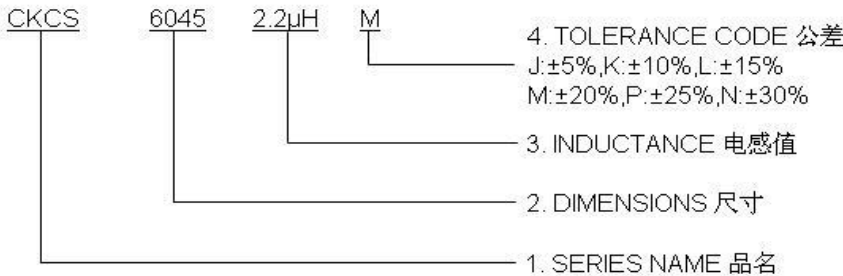


● APPLICATIONS 用途

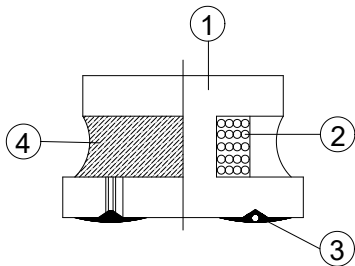
PAD,笔记本电脑,服务器,音箱,网通,安防,手机,智能家居,储能设备等

PAD, Notebook, Server, audio, netcom, security, mobile phone, smart home, Energy product...

● PART NUMBERING SYSTEM 品名系统



● STRUCTURAL DRAWING 结构图



- | | |
|----------------|---------------------------|
| ① Freeite core | Ni-Zn Ferrite |
| ② Winding wire | Polyurethane-copper wire |
| ③ Electrode | External electrode |
| ④ Epoxy resin | containing ferrite powder |

● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

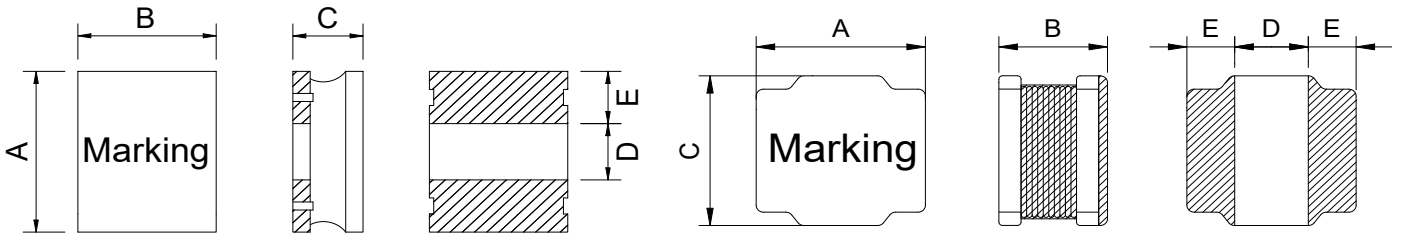


Fig 1

Fig 2

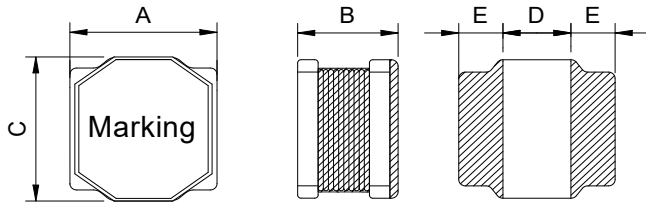
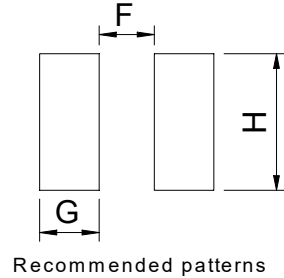


Fig 3



Recommended patterns

TYPE(型号)	A	B	C	D	E	F	G	H	Fig
CKCS201610	2.0±0.3	1.6±0.3	1.05 Max	0.7±0.3	0.65±0.3	0.3	1.1	2.1	1
CKCS252010	2.5±0.3	2.0±0.3	1.05 Max	0.94±0.3	0.83±0.3	0.4	1.4	2.5	1
CKCS252012	2.5±0.3	2.0±0.3	1.25 Max	0.94±0.3	0.83±0.3	0.4	1.4	2.5	1
CKCS3012	3.0±0.2	1.3 Max	3.0±0.2	1.2±0.3	0.9±0.3	0.7	1.4	2.7	3
CKCS3015	3.0±0.2	1.7 Max	3.0±0.2	1.2±0.3	0.9±0.3	0.7	1.4	2.7	3
CKCS4018	4.0±0.2	1.8 Max	4.0±0.2	1.6±0.3	1.2±0.3	1.0	1.7	3.7	3
CKCS4020	4.0±0.2	2.0 Max	4.0±0.2	1.6±0.3	1.2±0.3	1.0	1.7	3.7	3
CKCS4030	4.0±0.2	3.0 Max	4.0±0.2	1.3±0.3	1.35±0.3	0.8	1.9	3.7	3
CKCS5020	5.0±0.2	2.1 Max	5.0±0.2	1.4±0.3	1.8±0.3	0.9	2.3	4.2	2
CKCS5040	5.0±0.2	4.0 Max	5.0±0.2	1.8±0.3	1.6±0.3	1.1	2.2	4.2	3
CKCS6020	6.0±0.3	2.1 Max	6.0±0.3	2.3±0.3	1.85±0.3	1.8	2.4	5.7	2
CKCS6028	6.0±0.3	3.0 Max	6.0±0.3	2.3±0.3	1.85±0.3	1.8	2.4	5.7	2
CKCS6045	6.0±0.3	4.7 Max	6.0±0.3	2.3±0.3	1.85±0.3	1.8	2.4	5.7	2
CKCS8040	8.0±0.3	4.2 Max	8.0±0.3	3.6±0.3	2.2±0.3	3.1	2.7	7.5	2
CKCS8060	8.0±0.3	6.2 Max	8.0±0.3	3.6±0.3	2.2±0.3	3.1	2.7	7.5	2

● SPECIFICATION TABLE 规格特性表
CKCS201610

PART NUMBER 品名	INDUCTANCE (uH) 电感值	DCR (Max.) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流	Marker 印字
CKCS201610-1uH/N	1±30%	0.114	1.65	1.45	/
CKCS201610-1.5uH/N	1.5±30%	0.174	1.35	1.25	/
CKCS201610-2.2uH/N	2.2±30%	0.264	1.10	1.10	/
CKCS201610-3.3uH/M	3.3±20%	0.335	0.90	0.88	/
CKCS201610-4.7uH/M	4.7±20%	0.479	0.70	0.74	/
CKCS201610-6.8uH/M	6.8±20%	0.816	0.60	0.52	/

CKCS252010

PART NUMBER 品名	INDUCTANCE (uH) 电感值	DCR (Max.) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流	Marker 印字
CKCS252010-1uH/N	1±30%	0.108 Max.	1.85	1.65	A
CKCS252010-1.5uH/N	1.5±30%	0.182 Max.	1.80	1.30	B
CKCS252010-2.2uH/N	2.2±30%	0.209 Max.	1.20	1.20	C
CKCS252010-3.3uH/M	3.3±20%	0.328 Max.	1.05	0.90	D
CKCS252010-4.7uH/M	4.7±20%	0.563 Max.	0.95	0.70	E
CKCS252010-5.6uH/M	5.6±20%	0.563 Max.	0.80	0.73	F
CKCS252010-6.8uH/M	6.8±20%	0.896 Max.	0.78	0.59	G

Remark: 1. All test data is reference to 25°C ambient.

2. Inductance Tested at 1MHz,0.2Vrms

3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient.

5. Operating Temperature : -40°C ~ +125°C(Including self - temperature rise)

6. Absolute maximum voltage: DC 50V

CKCS252012

PART NUMBER 品名	INDUCTANCE (uH) 电感值	DCR (Max.) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流	Marker 印字
CKCS252012-0.47uH/N-010	0.47±30%	0.085	3.82	1.95	A
CKCS252012-0.68uH/N-010	0.68±30%	0.098	3.28	1.93	B
CKCS252012-1uH/N	1±30%	0.090	2.59	1.93	C
CKCS252012-1.5uH/N	1.5±30%	0.147	2.24	1.40	E
CKCS252012-2.2uH/N	2.2±30%	0.216	1.85	1.15	F
CKCS252012-3.3uH/M	3.3±20%	0.264	1.61	1.04	G
CKCS252012-4.7uH/M	4.7±20%	0.377	1.12	0.84	H
CKCS252012-6.8uH/M	6.8±20%	0.581	0.98	0.69	J
CKCS252012-10uH/M	10±20%	0.690	0.79	0.62	K

Remark: 1. All test data is reference to 25°C ambient.

2. Inductance Tested at 1MHz,0.2Vrms

3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient.

5. Operating Temperature : -40°C ~ +125°C(Including self - temperature rise)

6. Absolute maximum voltage: DC 50V



CKCS3012

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (\pm 30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流
CKCS3012-1 μ H/N	1 \pm 30%	0.040	1.87	2.20
CKCS3012-1.5 μ H/N	1.5 \pm 30%	0.045	1.62	2.01
CKCS3012-2.2 μ H/N	2.2 \pm 30%	0.075	1.20	1.55
CKCS3012-3.3 μ H/M	3.3 \pm 20%	0.100	1.05	1.36
CKCS3012-4.7 μ H/M	4.7 \pm 20%	0.150	0.90	1.24
CKCS3012-6.8 μ H/M	6.8 \pm 20%	0.190	0.75	0.98
CKCS3012-10 μ H/M	10 \pm 20%	0.320	0.60	0.83
CKCS3012-15 μ H/M	15 \pm 20%	0.360	0.45	0.71
CKCS3012-22 μ H/M	22 \pm 20%	0.645	0.42	0.53
CKCS3012-33 μ H/M	33 \pm 20%	0.875	0.36	0.46
CKCS3012-47 μ H/M	47 \pm 20%	1.450	0.27	0.35

CKCS3015

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (\pm 30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流
CKCS3015-1 μ H/N	1 \pm 30%	0.039	2.32	2.35
CKCS3015-1.5 μ H/N	1.5 \pm 30%	0.050	2.00	1.70
CKCS3015-2.2 μ H/N	2.2 \pm 30%	0.060	1.60	1.60
CKCS3015-3.3 μ H/M	3.3 \pm 20%	0.080	1.32	1.36
CKCS3015-4.7 μ H/M	4.7 \pm 20%	0.125	1.10	1.09
CKCS3015-6.8 μ H/M	6.8 \pm 20%	0.200	0.85	0.85
CKCS3015-10 μ H/M	10 \pm 20%	0.250	0.72	0.77
CKCS3015-15 μ H/M	15 \pm 20%	0.350	0.66	0.65
CKCS3015-22 μ H/M	22 \pm 20%	0.460	0.52	0.57
CKCS3015-33 μ H/M	33 \pm 20%	0.820	0.44	0.43
CKCS3015-47 μ H/M	47 \pm 20%	1.250	0.35	0.35

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Inductance Tested at 100kHz, 1Vrms

3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}C$) from 25 $^{\circ}$ C ambient.

5. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C (Including self - temperature rise)

6. Absolute maximum voltage: DC 50V

CKCS4018

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR ($\pm 30\%$) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流
CKCS4018-0.47 μ H/N	0.47 $\pm 30\%$	0.023	4.30	2.50
CKCS4018-1 μ H/N	1 $\pm 30\%$	0.025	4.20	2.00
CKCS4018-1.5 μ H/N	1.5 $\pm 30\%$	0.030	3.35	1.80
CKCS4018-2.2 μ H/N	2.2 $\pm 30\%$	0.045	2.70	1.65
CKCS4018-3.3 μ H/M	3.3 $\pm 20\%$	0.070	2.45	1.23
CKCS4018-4.7 μ H/M	4.7 $\pm 20\%$	0.090	1.70	1.20
CKCS4018-6.8 μ H/M	6.8 $\pm 20\%$	0.110	1.45	1.06
CKCS4018-10 μ H/M	10 $\pm 20\%$	0.180	1.30	0.84
CKCS4018-15 μ H/M	15 $\pm 20\%$	0.250	0.94	0.65
CKCS4018-22 μ H/M	22 $\pm 20\%$	0.360	0.80	0.59
CKCS4018-33 μ H/M	33 $\pm 20\%$	0.530	0.56	0.49
CKCS4018-47 μ H/M	47 $\pm 20\%$	0.650	0.57	0.42
CKCS4018-68 μ H/M	68 $\pm 20\%$	1.000	0.47	0.32
CKCS4018-100 μ H/M	100 $\pm 20\%$	1.750	0.40	0.25
CKCS4018-150 μ H/M	150 $\pm 20\%$	2.500	0.30	0.22

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Inductance Tested at 100kHz, 1Vrms

3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}$ C) from 25 $^{\circ}$ C ambient.

5. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C(Including self - temperature rise)

6. CKCS4018-100 μ H~150 μ H Absolute maximum voltage: DC 50V

CKCS4020

PART NUMBER 品名	INDUCTANCE (uH) 电感值	DCR (±30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流
CKCS4020-1uH/N	1±30%	0.029	4.78	2.15
CKCS4020-1.5uH/N	1.5±30%	0.035	4.45	1.98
CKCS4020-2.2uH/N	2.2±30%	0.040	3.40	1.85
CKCS4020-3.3uH/M	3.3±20%	0.070	3.20	1.40
CKCS4020-4.7uH/M	4.7±20%	0.075	2.35	1.34
CKCS4020-6.8uH/M	6.8±20%	0.125	2.00	1.04
CKCS4020-10uH/M	10±20%	0.165	1.60	0.90
CKCS4020-15uH/M	15±20%	0.230	1.35	0.77
CKCS4020-22uH/M	22±20%	0.350	1.05	0.62
CKCS4020-33uH/M	33±20%	0.550	0.85	0.49
CKCS4020-47uH/M	47±20%	0.710	0.74	0.44
CKCS4020-56uH/M	56±20%	0.800	0.66	0.41
CKCS4020-68uH/M	68±20%	1.060	0.61	0.36
CKCS4020-82uH/M	82±20%	1.170	0.50	0.34
CKCS4020-100uH/M	100±20%	1.550	0.48	0.31
CKCS4020-150uH/M	150±20%	2.800	0.40	0.25

Remark: 1. All test data is reference to 25°C ambient.

2. Inductance Tested at 100kHz, 1Vrms

3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient.

5. Operating Temperature : -40°C ~ +125°C (Including self - temperature rise)

6. CKCS4020-100uH~150uH Absolute maximum voltage: DC 50V



CKCS4030

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (\pm 30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流
CKCS4030-1 μ H/N	1 \pm 30%	0.016	5.26	4.14
CKCS4030-1.5 μ H/N	1.5 \pm 30%	0.025	4.84	3.34
CKCS4030-2.2 μ H/N	2.2 \pm 30%	0.030	4.40	2.95
CKCS4030-3.3 μ H/M	3.3 \pm 20%	0.040	3.30	2.40
CKCS4030-4.7 μ H/M	4.7 \pm 20%	0.060	2.90	2.00
CKCS4030-6.8 μ H/M	6.8 \pm 20%	0.090	2.75	1.60
CKCS4030-10 μ H/M	10 \pm 20%	0.120	1.95	1.50
CKCS4030-15 μ H/M	15 \pm 20%	0.190	1.65	1.11
CKCS4030-22 μ H/M	22 \pm 20%	0.225	1.30	1.00
CKCS4030-33 μ H/M	33 \pm 20%	0.330	1.10	0.84
CKCS4030-47 μ H/M	47 \pm 20%	0.445	0.95	0.72
CKCS4030-68 μ H/M	68 \pm 20%	0.868	0.72	0.52
CKCS4030-100 μ H/M	100 \pm 20%	1.150	0.60	0.45
CKCS4030-120 μ H/M	120 \pm 20%	1.300	0.53	0.42
CKCS4030-150 μ H/M	150 \pm 20%	1.800	0.50	0.39
CKCS4030-180 μ H/M	180 \pm 20%	2.200	0.45	0.38
CKCS4030-220 μ H/M	220 \pm 20%	2.500	0.40	0.35
CKCS4030-330 μ H/M	330 \pm 20%	4.000	0.30	0.25

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Inductance Tested at 100kHz, 1Vrms

3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}$ C) from 25 $^{\circ}$ C ambient.

5. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C(Including self - temperature rise)

6. CKCS4030-150 μ H~330 μ H Absolute maximum voltage: DC 50V



CKCS5020

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (\pm 30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流
CKCS5020-0.47 μ H/N	0.47 \pm 30%	0.013	6.20	4.60
CKCS5020-1 μ H/N	1 \pm 30%	0.020	4.10	3.80
CKCS5020-1.5 μ H/N	1.5 \pm 30%	0.030	4.10	3.20
CKCS5020-2.2 μ H/N	2.2 \pm 30%	0.032	3.20	2.70
CKCS5020-3.3 μ H/M	3.3 \pm 20%	0.050	2.55	2.30
CKCS5020-4.7 μ H/M	4.7 \pm 20%	0.057	2.50	2.20
CKCS5020-6.8 μ H/M	6.8 \pm 20%	0.083	2.05	1.80
CKCS5020-10 μ H/M	10 \pm 20%	0.120	1.70	1.55
CKCS5020-15 μ H/M	15 \pm 20%	0.165	1.35	1.25
CKCS5020-22 μ H/M	22 \pm 20%	0.250	1.15	1.10
CKCS5020-33 μ H/M	33 \pm 20%	0.400	0.92	0.90
CKCS5020-47 μ H/M	47 \pm 20%	0.580	0.77	0.75
CKCS5020-68 μ H/M	68 \pm 20%	0.740	0.65	0.64
CKCS5020-100 μ H/M	100 \pm 20%	1.100	0.53	0.53

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Inductance Tested at 100kHz, 1Vrms

3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}$ C) from 25 $^{\circ}$ C ambient.

5. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C(Including self - temperature rise)



CKCS5040

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (\pm 30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流
CKCS5040-1 μ H/N	1 \pm 30%	0.012	7.35	4.90
CKCS5040-1.2 μ H/N	1.2 \pm 30%	0.016	6.50	4.15
CKCS5040-1.5 μ H/N	1.5 \pm 30%	0.018	6.30	4.00
CKCS5040-2.2 μ H/N	2.2 \pm 30%	0.019	4.90	3.80
CKCS5040-3.3 μ H/M	3.3 \pm 20%	0.024	3.95	3.40
CKCS5040-4.7 μ H/M	4.7 \pm 20%	0.032	3.50	3.00
CKCS5040-6.8 μ H/M	6.8 \pm 20%	0.043	2.90	2.50
CKCS5040-10 μ H/M	10 \pm 20%	0.064	2.35	2.10
CKCS5040-15 μ H/M	15 \pm 20%	0.086	2.00	2.00
CKCS5040-22 μ H/M	22 \pm 20%	0.129	1.60	1.50
CKCS5040-33 μ H/M	33 \pm 20%	0.188	1.30	1.20
CKCS5040-47 μ H/M	47 \pm 20%	0.272	1.10	1.00
CKCS5040-68 μ H/M	68 \pm 20%	0.400	0.90	0.80
CKCS5040-100 μ H/M	100 \pm 20%	0.560	0.75	0.70
CKCS5040-150 μ H/M	150 \pm 20%	0.750	0.65	0.60
CKCS5040-180 μ H/M	180 \pm 20%	1.200	0.60	0.48
CKCS5040-220 μ H/M	220 \pm 20%	1.280	0.48	0.40
CKCS5040-330 μ H/M	330 \pm 20%	2.100	0.42	0.36
CKCS5040-470 μ H/M	470 \pm 20%	3.000	0.37	0.35

Remark: 1. All test data is reference to 25°C ambient.

2. Inductance Tested at 100kHz, 1Vrms

3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient.

5. Operating Temperature : -40°C ~ +125°C (Including self - temperature rise)

6. CKCS5040-330 μ H~470 μ H Absolute maximum voltage: DC 100V



CKCS6020

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (\pm 30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流
CKCS6020-1 μ H/N	1 \pm 30%	0.020	4.15	3.50
CKCS6020-1.5 μ H/N	1.5 \pm 30%	0.022	4.25	3.20
CKCS6020-2.2 μ H/N	2.2 \pm 30%	0.028	3.75	2.75
CKCS6020-3.3 μ H/M	3.3 \pm 20%	0.035	3.15	2.60
CKCS6020-4.7 μ H/M	4.7 \pm 20%	0.058	3.00	2.00
CKCS6020-6.8 μ H/M	6.8 \pm 20%	0.079	2.20	1.80
CKCS6020-10 μ H/M	10 \pm 20%	0.105	1.75	1.40
CKCS6020-15 μ H/M	15 \pm 20%	0.145	1.20	1.20
CKCS6020-18 μ H/M	18 \pm 20%	0.180	1.20	1.08
CKCS6020-22 μ H/M	22 \pm 20%	0.204	1.50	1.00
CKCS6020-33 μ H/M	33 \pm 20%	0.300	0.95	0.84
CKCS6020-47 μ H/M	47 \pm 20%	0.430	0.70	0.80
CKCS6020-100 μ H/M	100 \pm 20%	1.100	0.40	0.40

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Inductance Tested at 100kHz, 1Vrms

3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}$ C) from 25 $^{\circ}$ C ambient.

5. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C (Including self - temperature rise)

CKCS6028

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (\pm 30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流
CKCS6028-1 μ H/N	1 \pm 30%	0.013	5.75	5.20
CKCS6028-1.5 μ H/N	1.5 \pm 30%	0.015	6.00	4.58
CKCS6028-2.2 μ H/N	2.2 \pm 30%	0.02	5.10	3.75
CKCS6028-3.3 μ H/M	3.3 \pm 20%	0.025	4.15	3.48
CKCS6028-4.7 μ H/M	4.7 \pm 20%	0.03	3.00	3.08
CKCS6028-6.8 μ H/M	6.8 \pm 20%	0.047	2.60	2.40
CKCS6028-10 μ H/M	10 \pm 20%	0.072	2.04	1.95
CKCS6028-15 μ H/M	15 \pm 20%	0.125	1.75	1.45
CKCS6028-18 μ H/M	18 \pm 20%	0.12	1.52	1.45
CKCS6028-22 μ H/M	22 \pm 20%	0.14	1.80	1.40
CKCS6028-33 μ H/M	33 \pm 20%	0.185	1.35	1.22
CKCS6028-47 μ H/M	47 \pm 20%	0.315	1.15	1.06
CKCS6028-68 μ H/M	68 \pm 20%	0.36	0.80	0.86
CKCS6028-82 μ H/M	82 \pm 20%	0.50	0.80	0.70
CKCS6028-100 μ H/M	100 \pm 20%	0.50	0.65	0.70
CKCS6028-150 μ H/M	150 \pm 20%	1.00	0.50	0.50
CKCS6028-220 μ H/M	220 \pm 20%	1.25	0.45	0.45
CKCS6028-330 μ H/M	330 \pm 20%	1.90	0.35	0.38

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Inductance Tested at 100kHz, 1Vrms

3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}$ C) from 25 $^{\circ}$ C ambient.

5. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C(Including self - temperature rise)



CKCS6045

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (\pm 30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流
CKCS6045-1uH/N	1 \pm 30%	0.011	9.85	5.14
CKCS6045-1.5uH/N	1.5 \pm 30%	0.012	8.80	4.95
CKCS6045-2.2uH/N	2.2 \pm 30%	0.014	6.75	4.60
CKCS6045-3.3uH/M	3.3 \pm 20%	0.024	5.90	3.70
CKCS6045-4.7uH/M	4.7 \pm 20%	0.031	4.97	3.30
CKCS6045-6.8uH/M	6.8 \pm 20%	0.035	3.90	3.00
CKCS6045-10uH/M	10 \pm 20%	0.048	3.20	2.45
CKCS6045-15uH/M	15 \pm 20%	0.068	2.50	2.05
CKCS6045-22uH/M	22 \pm 20%	0.089	2.05	1.80
CKCS6045-33uH/M	33 \pm 20%	0.137	1.65	1.45
CKCS6045-47uH/M	47 \pm 20%	0.200	1.40	1.20
CKCS6045-68uH/M	68 \pm 20%	0.289	1.20	1.00
CKCS6045-82uH/M	82 \pm 20%	0.400	1.05	0.90
CKCS6045-100uH/M	100 \pm 20%	0.433	0.95	0.80
CKCS6045-120uH/M	120 \pm 20%	0.484	0.85	0.77
CKCS6045-150uH/M	150 \pm 20%	0.580	0.80	0.70
CKCS6045-220uH/M	220 \pm 20%	0.834	0.70	0.59
CKCS6045-330uH/M	330 \pm 20%	1.270	0.57	0.57
CKCS6045-470uH/M	470 \pm 20%	1.800	0.50	0.42
CKCS6045-680uH/M	680 \pm 20%	2.500	0.42	0.33

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Inductance Tested at 100kHz, 1Vrms

3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}C$) from 25 $^{\circ}$ C ambient.

5. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C (Including self - temperature rise)

6. CKCS6045-470uH~680uH Absolute maximum voltage: DC 100V



CKCS8040

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (\pm 30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流
CKCS8040-1uH/N	1 \pm 30%	0.008	9.85	6.30
CKCS8040-1.5uH/N	1.5 \pm 30%	0.010	8.15	5.65
CKCS8040-2.2uH/N	2.2 \pm 30%	0.012	7.10	5.15
CKCS8040-3.3uH/M	3.3 \pm 20%	0.017	6.50	4.40
CKCS8040-4.7uH/M	4.7 \pm 20%	0.019	5.90	4.10
CKCS8040-6.8uH/M	6.8 \pm 20%	0.024	4.55	3.60
CKCS8040-8.2uH/M	8.2 \pm 20%	0.026	4.20	3.45
CKCS8040-10uH/M	10 \pm 20%	0.042	3.60	3.30
CKCS8040-15uH/M	15 \pm 20%	0.047	2.95	2.60
CKCS8040-22uH/M	22 \pm 20%	0.069	2.40	2.10
CKCS8040-33uH/M	33 \pm 20%	0.097	2.05	1.80
CKCS8040-47uH/M	47 \pm 20%	0.136	1.75	1.55
CKCS8040-56uH/M	56 \pm 20%	0.180	1.55	1.30
CKCS8040-68uH/M	68 \pm 20%	0.196	1.45	1.25
CKCS8040-82uH/M	82 \pm 20%	0.225	1.30	1.15
CKCS8040-100uH/M	100 \pm 20%	0.290	1.15	1.00
CKCS8040-120uH/M	120 \pm 20%	0.334	1.12	0.95
CKCS8040-150uH/M	150 \pm 20%	0.410	1.00	0.85
CKCS8040-220uH/M	220 \pm 20%	0.650	0.85	0.80
CKCS8040-330uH/M	330 \pm 20%	0.889	0.68	0.64
CKCS8040-470uH/M	470 \pm 20%	1.260	0.60	0.54
CKCS8040-680uH/M	680 \pm 20%	2.000	0.50	0.45

Remark: 1. All test data is reference to 25°C ambient.

2. Inductance Tested at 100kHz, 1Vrms

3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^\circ C$) from 25°C ambient.

5. Operating Temperature : -40°C ~ +125°C(Including self - temperature rise)

6. CKCS8040-470uH~680uH Absolute maximum voltage: DC 100V

CKCS8060

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (\pm 30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 温升电流
CKCS8060-10 μ H/M	10 \pm 20%	0.035	5.00	3.20
CKCS8060-22 μ H/M	22 \pm 20%	0.06	3.00	2.80
CKCS8060-33 μ H/M	33 \pm 20%	0.09	2.50	2.10
CKCS8060-47 μ H/M	47 \pm 20%	0.125	1.85	1.60
CKCS8060-82 μ H/M	82 \pm 20%	0.23	1.30	1.20
CKCS8060-100 μ H/M	100 \pm 20%	0.25	1.20	0.91
CKCS8060-150 μ H/M	150 \pm 20%	0.35	1.15	0.90
CKCS8060-220 μ H/M	220 \pm 20%	0.58	1.10	0.88
CKCS8060-330 μ H/M	330 \pm 20%	0.80	0.90	0.65
CKCS8060-470 μ H/M	470 \pm 20%	1.30	0.80	0.55
CKCS8060-680 μ H/M	680 \pm 20%	1.60	0.70	0.48

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Inductance Tested at 100kHz, 1Vrms

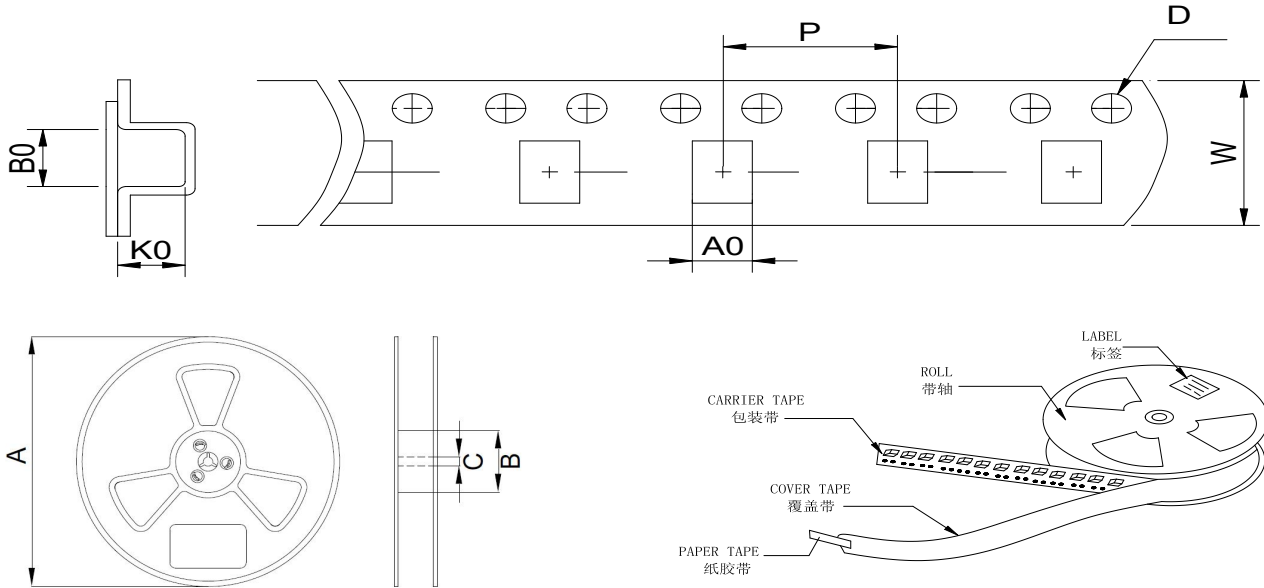
3. Isat: DC current at which the inductance drops approximate 30% from its value without current;

4. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}$ C) from 25 $^{\circ}$ C ambient.

5. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C (Including self - temperature rise)

6. CKCS8060-470 μ H~680 μ H Absolute maximum voltage: DC 100V

● **PACKAGING SPECIFICATION 包装规格**



TYPE(型号)	Tape Dimension 载带尺寸(mm)						Reel Dimension 卷盘尺寸 (mm)			Quantity (Pcs/Reel) 数量 (个/卷)
	W	A0	B0	K0	D	P	A	B	C	
CKCS201610	8	1.9	2.2	1.2	1.5	4	178	58	13	2000
CKCS252010	8	2.4	2.8	1.3	1.5	4	178	58	13	2000
CKCS252012	8	2.45	2.75	1.55	1.5	4	178	58	13	2000
CKCS3012	8	3.3	3.3	1.6	1.5	4	178	58	13	2000
CKCS3015	8	3.3	3.3	1.85	1.5	4	178	58	13	2000
CKCS4018	12	4.3	4.3	2	1.5	8	330	100	13	3000
CKCS4020	12	4.3	4.3	2.2	1.5	8	330	100	13	3000
CKCS4030	12	4.3	4.3	3.2	1.5	8	330	100	13	2000
CKCS5020	12	5.3	5.3	2.3	1.5	8	330	100	13	3000
CKCS5040	12	5.3	5.3	4.2	1.5	8	330	100	13	1500
CKCS6020	16	6.4	6.4	2.2	1.5	8	330	100	13	2500
CKCS6028	16	6.4	6.4	3.1	1.5	8	330	100	13	2000
CKCS6045	16	6.4	6.4	4.75	1.5	8	330	100	13	1500
CKCS8040	16	8.4	8.4	4.2	1.5	12	330	100	13	1000
CKCS8060	16	8.4	8.4	6.5	1.5	12	330	100	13	800