



● **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.

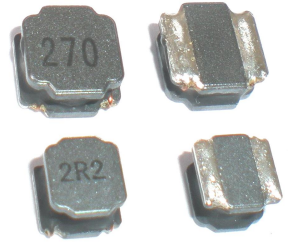
Magnetic-resin shielded structure reduces buzz noise to ultra-low levels, Closed magnetic circuit structure reduces magnetic leakage flux, high performance of anti-EMI.

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.

4.工作频率范围广,可达5MHz以上. Wide range working frequency that reach more than 5MHz

5.RoHS, 无卤环保产品. RoHS, Halogen-free environmental protection products



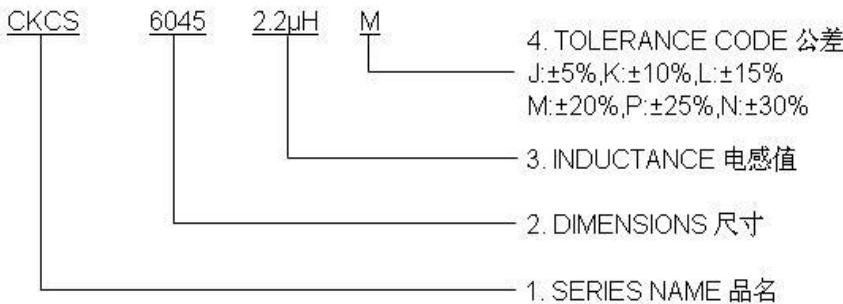
● **APPLICATIONS 用途**

1. LED Lighting LED 照明

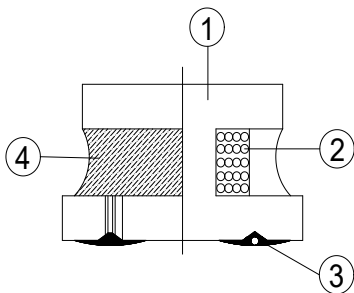
2. Automotive systems 汽车产品

3. Notebooks,desktop computers,servers,graphic cards 笔记本电脑,台式电脑,服务器,显卡

● **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)

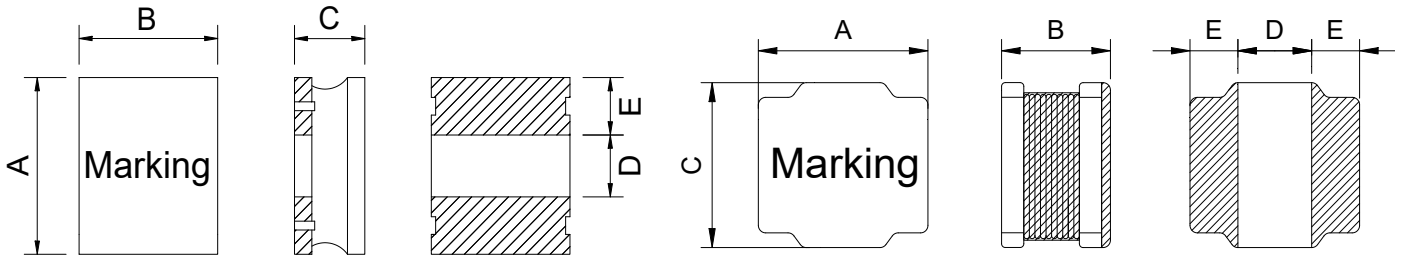


Fig 1

Fig 2

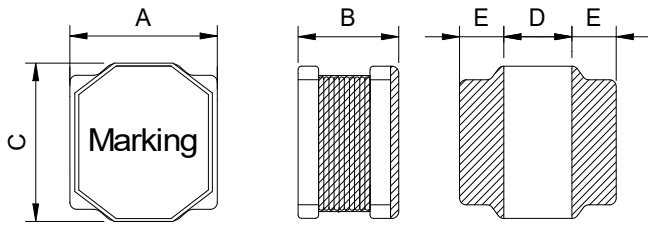


Fig 3

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	0.6	0.8	1.8	1
CKCS252010	2.5±0.3	2.0±0.3	1.05 Max	0.94±0.3	0.83±0.3	0.6	1.1	2.0	1
CKCS252012	2.5±0.3	2.0±0.3	1.25 Max	0.94±0.3	0.83±0.3	0.6	1.1	2.0	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
CKCS8080	8.0±0.3	8.0 Max	8.0±0.3	3.6±0.3	2.2±0.3	3.1	2.7	7.5	2



● SPECIFICATION TABLE:

CKCS201610 Series

PART NUMBER 品名	INDUCTANCE (μ H) 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 \pm 30%	0.114	1.65	1.45	/
CKCS201610-1.5uH/N	1.5 \pm 30%	0.174	1.35	1.25	/
CKCS201610-2.2uH/N	2.2 \pm 30%	0.264	1.10	1.10	/
CKCS201610-3.3uH/M	3.3 \pm 20%	0.335	0.90	0.88	/
CKCS201610-4.7uH/M	4.7 \pm 20%	0.479	0.70	0.74	/

CKCS252010 Series

PART NUMBER 品名	INDUCTANCE (μ H) 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 \pm 30%	0.108 Max.	1.85	1.65	A
CKCS252010-1.5uH/N	1.5 \pm 30%	0.182 Max.	1.80	1.30	B
CKCS252010-2.2uH/N	2.2 \pm 30%	0.209 Max.	1.20	1.20	C
CKCS252010-3.3uH/M	3.3 \pm 20%	0.328 Max.	1.05	0.90	D
CKCS252010-4.7uH/M	4.7 \pm 20%	0.563 Max.	0.95	0.70	E

Remark: 1. Inductance Tested at 1MHz, 0.2Vrms (20 $^{\circ}$ C)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;
3. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}C$) from 25 $^{\circ}$ C ambient.
4. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C



● SPECIFICATION TABLE:

CKCS252012 Series

PART NUMBER 品名	INDUCTANCE (μ H) 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 \pm 30%	0.085	3.82	1.95	A
CKCS252012-0.68uH/N-010	0.68 \pm 30%	0.098	3.28	1.93	B
CKCS252012-1uH/N	1.0 \pm 30%	0.090	2.59	1.93	C
CKCS252012-1.5uH/N	1.5 \pm 30%	0.147	2.24	1.40	E
CKCS252012-2.2uH/N	2.2 \pm 30%	0.216	1.85	1.15	F
CKCS252012-3.3uH/M	3.3 \pm 20%	0.264	1.61	1.04	G
CKCS252012-4.7uH/M	4.7 \pm 20%	0.377	1.12	0.84	H
CKCS252012-6.8uH/M	6.8 \pm 20%	0.581	0.98	0.69	J
CKCS252012-10uH/M	10 \pm 20%	0.690	0.79	0.62	K

Remark: 1. Inductance Tested at 1MHz, 0.2Vrms (20 $^{\circ}$ C)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;
3. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}C$) from 25 $^{\circ}$ C ambient.
4. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C



● SPECIFICATION TABLE:

CKCS3012 Series

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	S.R.F.(Min.) (MHz) 自谐频率
CKCS3012-1uH/N	1 \pm 30%	0.040	1.87	2.20	120
CKCS3012-1.5uH/N	1.5 \pm 30%	0.045	1.62	2.01	110
CKCS3012-2.2uH/N	2.2 \pm 30%	0.075	1.20	1.55	84
CKCS3012-3.3uH/M	3.3 \pm 20%	0.100	1.05	1.36	64
CKCS3012-4.7uH/M	4.7 \pm 20%	0.150	0.90	1.24	61
CKCS3012-6.8uH/M	6.8 \pm 20%	0.190	0.75	0.98	61
CKCS3012-10uH/M	10 \pm 20%	0.320	0.60	0.83	42
CKCS3012-15uH/M	15 \pm 20%	0.360	0.45	0.71	27
CKCS3012-22uH/M	22 \pm 20%	0.645	0.42	0.53	23
CKCS3012-33uH/M	33 \pm 20%	0.875	0.36	0.46	18

CKCS3015 Series

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	S.R.F.(Min.) (MHz) 自谐频率
CKCS3015-1uH/N	1 \pm 30%	0.039	2.32	2.35	150
CKCS3015-1.5uH/N	1.5 \pm 30%	0.050	2.00	1.70	100
CKCS3015-2.2uH/N	2.2 \pm 30%	0.060	1.60	1.60	86
CKCS3015-3.3uH/M	3.3 \pm 20%	0.080	1.32	1.36	68
CKCS3015-4.7uH/M	4.7 \pm 20%	0.125	1.10	1.09	46
CKCS3015-6.8uH/M	6.8 \pm 20%	0.200	0.85	0.85	39
CKCS3015-10uH/M	10 \pm 20%	0.250	0.72	0.77	41
CKCS3015-15uH/M	15 \pm 20%	0.350	0.66	0.65	30
CKCS3015-22uH/M	22 \pm 20%	0.460	0.52	0.57	23
CKCS3015-33uH/M	33 \pm 20%	0.820	0.44	0.43	20
CKCS3015-47uH/M	47 \pm 20%	1.250	0.35	0.35	14

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20 $^{\circ}$ C)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;
3. Irms: DC current that causes the temperature rise (Δ T \leq 40 $^{\circ}$ C) from 25 $^{\circ}$ C ambient.
4. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C



● SPECIFICATION TABLE:

CKCS4018 Series

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	S.R.F.(Min.) (MHz) 自谐频率
CKCS4018-1uH/N	1 \pm 30%	0.025	4.20	2.00	80
CKCS4018-1.5uH/N	1.5 \pm 30%	0.030	3.35	1.80	65
CKCS4018-2.2uH/N	2.2 \pm 30%	0.045	2.70	1.65	52
CKCS4018-3.3uH/M	3.3 \pm 20%	0.070	2.45	1.23	44
CKCS4018-4.7uH/M	4.7 \pm 20%	0.090	1.70	1.20	34
CKCS4018-6.8uH/M	6.8 \pm 20%	0.110	1.45	1.06	29
CKCS4018-10uH/M	10 \pm 20%	0.180	1.30	0.84	24
CKCS4018-15uH/M	15 \pm 20%	0.250	0.94	0.65	19
CKCS4018-22uH/M	22 \pm 20%	0.360	0.80	0.59	16
CKCS4018-33uH/M	33 \pm 20%	0.530	0.56	0.49	12
CKCS4018-47uH/M	47 \pm 20%	0.650	0.57	0.42	10
CKCS4018-68uH/M	68 \pm 20%	1.000	0.47	0.32	8.3
CKCS4018-100uH/M	100 \pm 20%	1.750	0.40	0.25	6.5

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20 $^{\circ}$ C)

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

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

4. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C



● SPECIFICATION TABLE:

CKCS4020 Series

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	S.R.F.(Min.) (MHz) 自谐频率
CKCS4020-1uH/N	1 \pm 30%	0.029	4.78	2.15	75
CKCS4020-1.5uH/N	1.5 \pm 30%	0.035	4.45	1.98	71
CKCS4020-2.2uH/N	2.2 \pm 30%	0.040	3.40	1.85	49
CKCS4020-3.3uH/M	3.3 \pm 20%	0.070	3.20	1.40	44
CKCS4020-4.7uH/M	4.7 \pm 20%	0.075	2.35	1.34	42
CKCS4020-6.8uH/M	6.8 \pm 20%	0.125	2.00	1.04	33
CKCS4020-10uH/M	10 \pm 20%	0.165	1.60	0.90	26
CKCS4020-15uH/M	15 \pm 20%	0.230	1.35	0.77	24
CKCS4020-22uH/M	22 \pm 20%	0.350	1.05	0.62	15
CKCS4020-33uH/M	33 \pm 20%	0.550	0.85	0.49	11
CKCS4020-47uH/M	47 \pm 20%	0.710	0.74	0.44	10
CKCS4020-68uH/M	68 \pm 20%	1.060	0.61	0.36	7.7
CKCS4020-100uH/M	100 \pm 20%	1.550	0.48	0.31	6.3
CKCS4020-150uH/M	150 \pm 20%	2.800	0.40	0.25	3

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20 $^{\circ}$ C)

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

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

4. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C



● SPECIFICATION TABLE:

CKCS4030 Series

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	S.R.F.(Min.) (MHz) 自谐频率
CKCS4030-1uH/N	1 \pm 30%	0.016	5.26	4.14	70
CKCS4030-1.5uH/N	1.5 \pm 30%	0.025	4.84	3.34	62
CKCS4030-2.2uH/N	2.2 \pm 30%	0.030	4.40	2.95	52
CKCS4030-3.3uH/M	3.3 \pm 20%	0.040	3.30	2.40	38
CKCS4030-4.7uH/M	4.7 \pm 20%	0.060	2.90	2.00	31
CKCS4030-6.8uH/M	6.8 \pm 20%	0.090	2.75	1.60	24
CKCS4030-10uH/M	10 \pm 20%	0.120	1.95	1.50	21
CKCS4030-15uH/M	15 \pm 20%	0.190	1.65	1.11	16
CKCS4030-22uH/M	22 \pm 20%	0.225	1.30	1.00	10
CKCS4030-33uH/M	33 \pm 20%	0.330	1.10	0.84	10
CKCS4030-47uH/M	47 \pm 20%	0.445	0.95	0.72	8.4
CKCS4030-68uH/M	68 \pm 20%	0.868	0.72	0.52	7
CKCS4030-100uH/M	100 \pm 20%	1.150	0.60	0.45	5.6
CKCS4030-120uH/M	120 \pm 20%	1.300	0.53	0.42	5.4
CKCS4030-150uH/M	150 \pm 20%	1.800	0.50	0.39	4
CKCS4030-180uH/M	180 \pm 20%	2.200	0.45	0.38	4
CKCS4030-220uH/M	220 \pm 20%	2.500	0.40	0.35	3.8
CKCS4030-330uH/M	330 \pm 20%	4.000	0.30	0.25	3

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20 $^{\circ}$ C)

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

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

4. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C



● SPECIFICATION TABLE:

CKCS5020 Series

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	S.R.F.(Min.) (MHz) 自谐频率
CKCS5020-0.47uH/N	0.47 \pm 30%	0.013	6.20	4.60	118
CKCS5020-1uH/N	1 \pm 30%	0.020	4.10	3.80	114
CKCS5020-1.5uH/N	1.5 \pm 30%	0.030	4.10	3.20	68
CKCS5020-2.2uH/N	2.2 \pm 30%	0.040	3.20	2.70	57
CKCS5020-3.3uH/M	3.3 \pm 20%	0.050	2.55	2.30	46
CKCS5020-4.7uH/M	4.7 \pm 20%	0.057	2.50	2.20	37
CKCS5020-6.8uH/M	6.8 \pm 20%	0.083	2.05	1.80	30
CKCS5020-10uH/M	10 \pm 20%	0.120	1.70	1.55	24
CKCS5020-15uH/M	15 \pm 20%	0.165	1.35	1.25	20
CKCS5020-22uH/M	22 \pm 20%	0.250	1.15	1.10	14
CKCS5020-33uH/M	33 \pm 20%	0.400	0.92	0.90	10
CKCS5020-47uH/M	47 \pm 20%	0.580	0.77	0.75	7
CKCS5020-68uH/M	68 \pm 20%	0.740	0.65	0.64	6
CKCS5020-100uH/M	100 \pm 20%	1.100	0.53	0.40	6

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20 $^{\circ}$ C)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;
3. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}C$) from 25 $^{\circ}$ C ambient.
4. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C



● SPECIFICATION TABLE:

CKCS5040 Series

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	S.R.F.(Min.) (MHz) 自谐频率
CKCS5040-1uH/N	1 \pm 30%	0.012	7.35	4.90	117
CKCS5040-1.2uH/N	1.2 \pm 30%	0.016	6.50	4.15	110
CKCS5040-1.5uH/N	1.5 \pm 30%	0.018	6.30	4.00	86
CKCS5040-2.2uH/N	2.2 \pm 30%	0.019	4.90	3.80	50
CKCS5040-3.3uH/M	3.3 \pm 20%	0.024	3.95	3.40	32
CKCS5040-4.7uH/M	4.7 \pm 20%	0.032	3.50	3.00	28
CKCS5040-6.8uH/M	6.8 \pm 20%	0.043	2.90	2.50	21
CKCS5040-10uH/M	10 \pm 20%	0.064	2.35	2.10	18
CKCS5040-15uH/M	15 \pm 20%	0.086	2.00	2.00	13
CKCS5040-22uH/M	22 \pm 20%	0.129	1.60	1.50	11
CKCS5040-33uH/M	33 \pm 20%	0.188	1.30	1.20	9
CKCS5040-47uH/M	47 \pm 20%	0.272	1.10	1.00	7
CKCS5040-68uH/M	68 \pm 20%	0.400	0.90	0.80	6
CKCS5040-100uH/M	100 \pm 20%	0.560	0.75	0.70	5
CKCS5040-150uH/M	150 \pm 20%	0.750	0.65	0.60	3.7
CKCS5040-180uH/M	180 \pm 20%	1.200	0.60	0.48	3.2
CKCS5040-220uH/M	220 \pm 20%	1.280	0.48	0.40	3
CKCS5040-330uH/M	330 \pm 20%	2.100	0.42	0.36	2.7

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20°C)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;
3. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient.
4. Operating Temperature : -40°C ~ +125°C



● SPECIFICATION TABLE:

CKCS6020 Series

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	S.R.F.(Min.) (MHz) 自谐频率
CKCS6020-1uH/N	1 \pm 30%	0.020	4.15	3.50	100
CKCS6020-1.5uH/N	1.5 \pm 30%	0.022	4.25	3.20	79
CKCS6020-2.2uH/N	2.2 \pm 30%	0.028	3.75	2.75	61
CKCS6020-3.3uH/M	3.3 \pm 20%	0.035	3.15	2.60	51
CKCS6020-4.7uH/M	4.7 \pm 20%	0.058	3.00	2.00	41
CKCS6020-6.8uH/M	6.8 \pm 20%	0.079	2.20	1.80	31
CKCS6020-10uH/M	10 \pm 20%	0.105	1.75	1.40	27
CKCS6020-12uH/M	12 \pm 20%	0.120	1.45	1.30	25
CKCS6020-15uH/M	15 \pm 20%	0.145	1.20	1.20	21
CKCS6020-18uH/M	18 \pm 20%	0.180	1.20	1.08	18
CKCS6020-22uH/M	22 \pm 20%	0.204	1.05	1.00	16
CKCS6020-33uH/M	33 \pm 20%	0.300	0.95	0.84	11
CKCS6020-47uH/M	47 \pm 20%	0.430	0.70	0.80	10
CKCS6020-100uH/M	100 \pm 20%	1.100	0.40	0.40	7

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20 $^{\circ}$ C)

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

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

4. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C



● SPECIFICATION TABLE:

CKCS6028 Series

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	S.R.F.(Min.) (MHz) 自谐频率
CKCS6028-1uH/N	1 \pm 30%	0.013	5.75	5.20	70
CKCS6028-1.5uH/N	1.5 \pm 30%	0.015	6.00	4.58	65
CKCS6028-2.2uH/N	2.2 \pm 30%	0.02	5.10	3.75	48
CKCS6028-3.3uH/M	3.3 \pm 20%	0.025	4.15	3.48	41
CKCS6028-4.7uH/M	4.7 \pm 20%	0.03	3.00	3.08	35
CKCS6028-6.8uH/M	6.8 \pm 20%	0.047	2.60	2.40	27
CKCS6028-10uH/M	10 \pm 20%	0.072	2.04	1.95	23
CKCS6028-15uH/M	15 \pm 20%	0.125	1.75	1.45	18
CKCS6028-18uH/M	18 \pm 20%	0.12	1.52	1.45	15
CKCS6028-22uH/M	22 \pm 20%	0.14	1.45	1.40	14
CKCS6028-33uH/M	33 \pm 20%	0.185	1.35	1.22	12
CKCS6028-47uH/M	47 \pm 20%	0.315	1.15	1.06	9.5
CKCS6028-68uH/M	68 \pm 20%	0.36	0.80	0.86	7.7
CKCS6028-82uH/M	82 \pm 20%	0.50	0.80	0.70	7.3
CKCS6028-100uH/M	100 \pm 20%	0.50	0.65	0.70	7
CKCS6028-150uH/M	150 \pm 20%	1.00	0.50	0.50	4.5
CKCS6028-220uH/M	220 \pm 20%	1.25	0.45	0.45	3.5
CKCS6028-330uH/M	330 \pm 20%	1.90	0.35	0.38	2.5

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20 $^{\circ}$ C)

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

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

4. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C



● SPECIFICATION TABLE:

CKCS6045 Series

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	S.R.F.(Min.) (MHz) 自谐频率
CKCS6045-1uH/N	1 \pm 30%	0.011	9.85	5.14	100
CKCS6045-1.5uH/N	1.5 \pm 30%	0.012	8.80	4.95	65
CKCS6045-2.2uH/N	2.2 \pm 30%	0.014	6.75	4.60	52
CKCS6045-3.3uH/M	3.3 \pm 20%	0.024	5.90	3.70	32
CKCS6045-4.7uH/M	4.7 \pm 20%	0.031	4.97	3.30	24
CKCS6045-6.8uH/M	6.8 \pm 20%	0.035	3.90	3.00	20
CKCS6045-10uH/M	10 \pm 20%	0.048	3.20	2.45	15
CKCS6045-15uH/M	15 \pm 20%	0.068	2.50	2.05	12
CKCS6045-22uH/M	22 \pm 20%	0.089	2.05	1.80	10
CKCS6045-33uH/M	33 \pm 20%	0.137	1.65	1.45	7.8
CKCS6045-47uH/M	47 \pm 20%	0.200	1.40	1.20	6.4
CKCS6045-68uH/M	68 \pm 20%	0.289	1.20	1.00	5.5
CKCS6045-100uH/M	100 \pm 20%	0.433	0.95	0.80	4.2
CKCS6045-120uH/M	120 \pm 20%	0.484	0.85	0.77	4
CKCS6045-150uH/M	150 \pm 20%	0.580	0.80	0.70	3.8
CKCS6045-220uH/M	220 \pm 20%	0.834	0.70	0.59	3.5
CKCS6045-330uH/M	330 \pm 20%	1.270	0.57	0.57	2.8
CKCS6045-470uH/M	470 \pm 20%	1.800	0.50	0.42	2
CKCS6045-680uH/M	680 \pm 20%	2.500	0.42	0.33	1.7

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20°C)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;
3. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient.
4. Operating Temperature : -40°C ~ +125°C



● SPECIFICATION TABLE:

CKCS8040 Series

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	S.R.F.(Min.) (MHz) 自谐频率
CKCS8040-1uH/N	1 \pm 30%	0.008	9.85	6.30	89
CKCS8040-1.5uH/N	1.5 \pm 30%	0.010	8.15	5.65	67
CKCS8040-2.2uH/N	2.2 \pm 30%	0.012	7.10	5.15	41
CKCS8040-3.3uH/M	3.3 \pm 20%	0.017	6.50	4.40	27
CKCS8040-4.7uH/M	4.7 \pm 20%	0.019	5.90	4.10	24
CKCS8040-6.8uH/M	6.8 \pm 20%	0.024	4.55	3.60	20
CKCS8040-10uH/M	10 \pm 20%	0.042	3.60	3.30	15
CKCS8040-15uH/M	15 \pm 20%	0.047	2.95	2.60	12
CKCS8040-22uH/M	22 \pm 20%	0.069	2.40	2.10	9.5
CKCS8040-33uH/M	33 \pm 20%	0.097	2.05	1.80	7.8
CKCS8040-47uH/M	47 \pm 20%	0.136	1.75	1.55	6.4
CKCS8040-68uH/M	68 \pm 20%	0.196	1.45	1.25	4.9
CKCS8040-100uH/M	100 \pm 20%	0.290	1.15	1.00	4.2
CKCS8040-120uH/M	120 \pm 20%	0.334	1.12	0.95	3.5
CKCS8040-150uH/M	150 \pm 20%	0.410	1.00	0.85	3.2
CKCS8040-220uH/M	220 \pm 20%	0.650	0.85	0.80	3
CKCS8040-330uH/M	330 \pm 20%	0.889	0.68	0.64	2.8
CKCS8040-470uH/M	470 \pm 20%	1.260	0.60	0.54	2.1
CKCS8040-680uH/M	680 \pm 20%	2.500	0.50	0.45	1.7

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20 $^{\circ}$ C)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;
3. Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}C$) from 25 $^{\circ}$ C ambient.
4. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C



● SPECIFICATION TABLE:

CKCS8060 Series

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
CKCS8060-10uH/M	10 \pm 20%	0.035	5.00	3.20
CKCS8060-22uH/M	22 \pm 20%	0.06	3.00	2.80
CKCS8060-33uH/M	33 \pm 20%	0.09	2.50	2.10
CKCS8060-47uH/M	47 \pm 20%	0.125	1.85	1.60
CKCS8060-100uH/M	100 \pm 20%	0.25	1.20	0.91
CKCS8060-150uH/M	150 \pm 20%	0.35	1.15	0.90
CKCS8060-220uH/M	220 \pm 20%	0.58	1.10	0.88
CKCS8060-330uH/M	330 \pm 20%	0.80	0.90	0.65
CKCS8060-470uH/M	470 \pm 20%	1.30	0.80	0.55
CKCS8060-680uH/M	680 \pm 20%	1.60	0.70	0.48

CKCS8080 Series

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
CKCS8080-10uH/M	10 \pm 20%	0.035	6.00	3.50
CKCS8080-15uH/M	15 \pm 20%	0.045	4.50	3.00
CKCS8080-22uH/M	22 \pm 20%	0.055	4.00	3.00
CKCS8080-33uH/M	33 \pm 20%	0.075	3.00	2.50
CKCS8080-100uH/M	100 \pm 20%	0.19	1.90	1.12
CKCS8080-150uH/M	150 \pm 20%	0.30	1.60	1.00
CKCS8080-220uH/M	220 \pm 20%	0.42	1.20	0.80

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20°C)

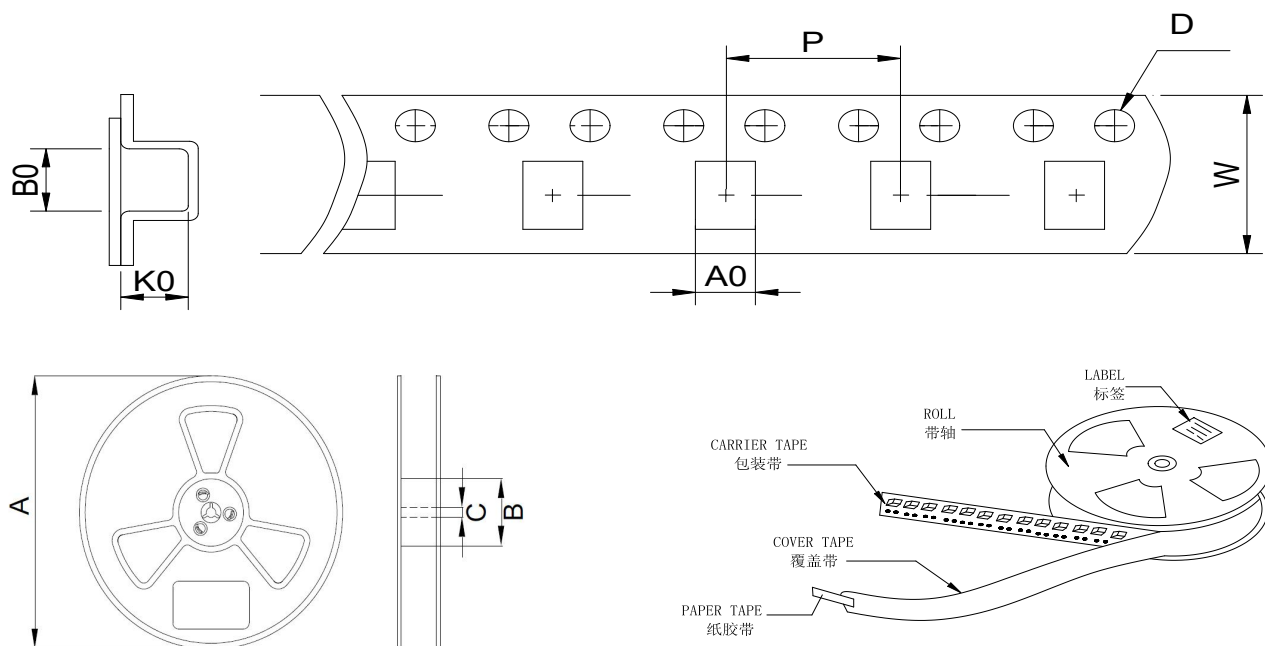
2. Isat: DC current at which the inductance drops approximate 30% from its value without current;

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

4. Operating Temperature : -40°C ~ +125°C



● PACKAGING SPECIFICATION :



Type	Tape Dimension (mm)						Reel Dimension (mm)			Quantity (Pcs/Reel)
	W	A0	B0	K0	D	P	A	B	C	
CKCS201610	8	1.9	2.3	1.2	1.5	4	178	58	13	2000
CKCS252010	8	2.4	2.9	1.35	1.5	4	178	58	13	2000
CKCS252012	8	2.4	2.9	1.35	1.5	4	178	58	13	2000
CKCS3012	8	3.3	3.3	1.4	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
CKCS8080	16	8.4	8.4	8.2	1.5	12	330	100	13	500

单击下面可查看定价，库存，交付和生命周期等信息

[>>Cenker\(岑科\)](#)