

● **FEATURES 特性**

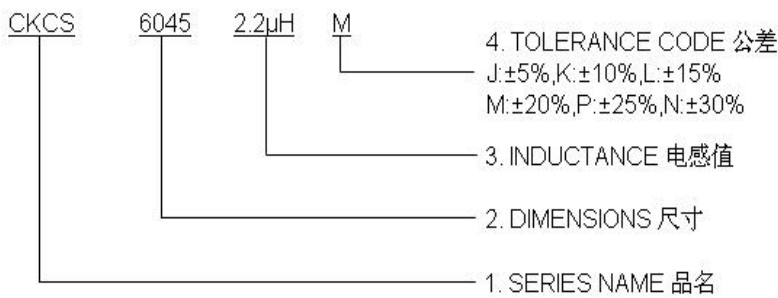
1. Small and very Thin inductor 小型,超薄电感器
2. Magnetic-resin shielded construction reduces buzz 磁性胶水涂敷结构极大减少了蜂鸣声
3. Takes up less PCB real estate and save more power 省空间 更省电



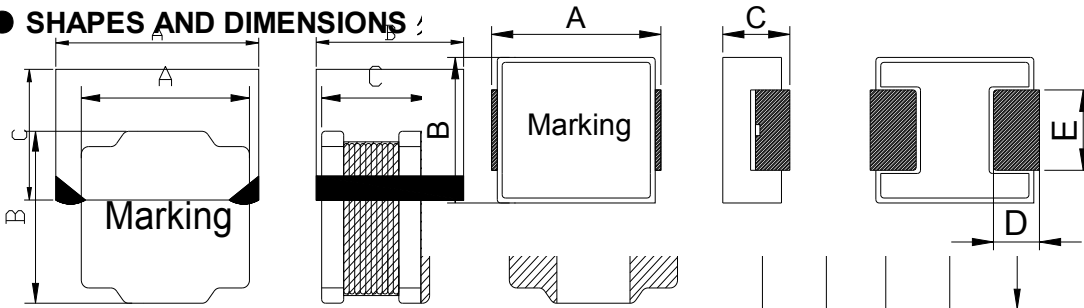
● **APPLICATIONS 用途**

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**



● **SHAPES AND DIMENSIONS**



Recommended patterns

TYPE(型号)	A	B	C	D	E	F	G	H
CKCS201610	2.0±0.25	1.6±0.25	1.02 Max.	0.6±0.2	0.77±0.2	0.60	0.80	1.8
CKCS252010	2.5±0.25	2.0±0.25	1.02 Max.	0.8±0.3	0.9±0.3	0.60	1.10	2.0
CKCS252012	2.5±0.25	2.0±0.25	1.25 Max.	0.8±0.3	0.9±0.3	0.60	1.10	2.0
CKCS3010	3.0±0.2	3.0±0.2	1.0±0.1	1.2±0.3	0.9±0.3	1.1	1.0	2.7
CKCS3012	3.0±0.2	3.0±0.2	1.3Max	1.2±0.3	0.9±0.3	1.1	1.0	2.7
CKCS3015	3.0±0.2	3.0±0.2	1.7Max	1.2±0.3	0.9±0.3	1.1	1.0	2.7
CKCS4012	4.0±0.2	4.0±0.2	1.2Max	1.6±0.3	1.2±0.3	1.4	1.3	3.7
CKCS4018	4.0±0.2	4.0±0.2	1.8Max	1.6±0.3	1.2±0.3	1.4	1.3	3.7
CKCS4020	4.0±0.2	4.0±0.2	2.0Max	1.6±0.3	1.2±0.3	1.4	1.3	3.7
CKCS4030	4.0±0.2	4.0±0.2	3.0Max	1.3±0.3	1.35±0.3	1.2	1.40	3.7
CKCS5020	5.0±0.2	5.0±0.2	2.1Max	1.4±0.3	1.8±0.3	1.2	1.9	4.2
CKCS5040	5.0±0.2	5.0±0.2	4.0Max	1.6±0.3	1.7±0.3	1.4	1.8	4.2
CKCS6020	6.0±0.3	6.0±0.3	2.1Max	2.3±0.3	1.85±0.3	2.4	1.8	5.7

勝特力材料 886-3-5773766
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

CKCS6028	6.0±0.3	6.0±0.3	3.0Max	2.3±0.3	1.85±0.3	2.4	1.8	5.7
CKCS6045	6.0±0.3	6.0±0.3	4.7Max	2.3±0.3	1.85±0.3	2.4	1.8	5.7
CKCS8040	8.0±0.3	8.0±0.3	4.2Max	3.8±0.3	2.1±0.3	3.6	2.2	7.5

● SPECIFICATION TABLE:

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) 额定电流	S.R.F.(Min.) (MHz) 自谐频率
6045-1.0uH/N	1.0±30%	0.011	9.85	5.14	100
6045-1.5uH/N	1.5±30%	0.012	8.80	4.95	65
6045-2.2uH/N	2.2±30%	0.014	6.75	4.60	52
6045-3.3uH/N	3.3±30%	0.024	5.90	3.70	32
6045-4.7uH/M	4.7±20%	0.031	4.97	3.30	24
6045-6.8uH/M	6.8±20%	0.035	3.90	3.00	20
6045-10uH/M	10±20%	0.048	3.20	2.45	15
6045-15uH/M	15±20%	0.068	2.50	2.05	12
6045-22uH/M	22±20%	0.089	2.05	1.80	10
6045-33uH/M	33±20%	0.137	1.65	1.45	7.8
6045-47uH/M	47±20%	0.200	1.40	1.20	6.4
6045-56uH/M	56±20%	0.221	1.30	1.10	6.4
6045-68uH/M	68±20%	0.289	1.20	1.00	6.4
6045-100uH/M	100±20%	0.433	0.95	0.80	4.2
6045-120uH/M	120±20%	0.484	0.85	0.77	4.2
6045-150uH/M	150±20%	0.580	0.80	0.70	4.2
6045-220uH/M	220±20%	0.834	0.70	0.59	3.5
6045-330uH/M	330±20%	1.270	0.57	0.57	2.8
6045-470uH/M	470±20%	1.800	0.50	0.42	2
6045-680uH/M	680±20%	2.500	0.42	0.33	1.7
6045-1mH/M	1000±20%	4.500	0.30	0.30	1.4
6045-1.5mH/M	1500±20%	6.500	0.24	0.21	0.8

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. I_{rms}: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient.
4. Operating Temperature : $-25^{\circ}\text{C} \sim +125^{\circ}\text{C}$