

● FEATURES 特性

1. Small and very Thin inductor 小型,超薄电感器
2. Magnetic-resin shielded conruction reduces buzz 磁性胶水涂敷结构极大减少了蜂鸣声

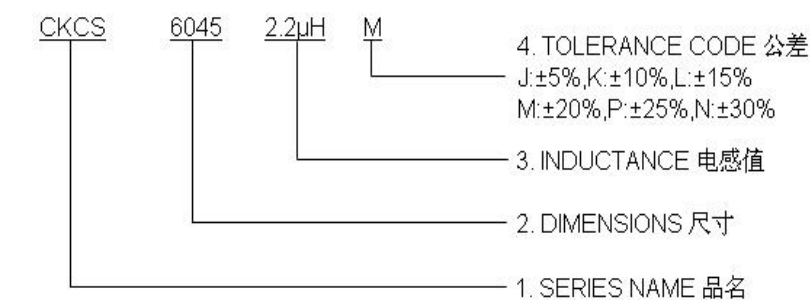
磁性胶水涂敷结构极大减少了蜂鸣声

3. Takes up less PCB real estate and save more power 省空间 更省电

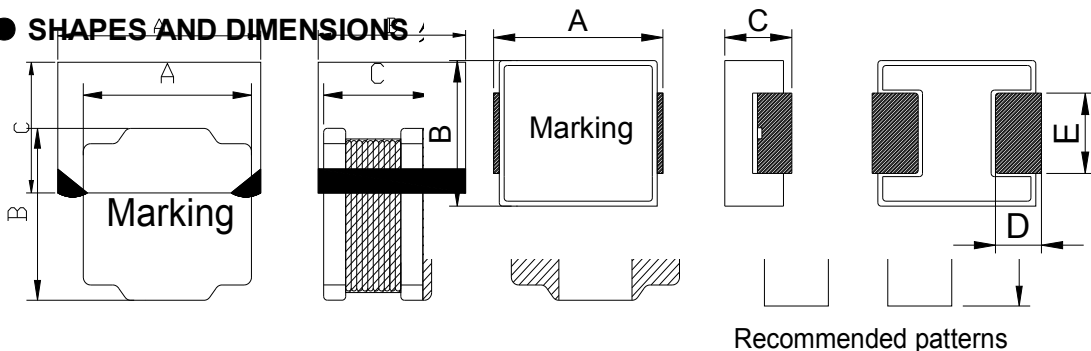
● APPLICATIONS 用途

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



TYPE(型号)	A	B	C	D	E	F	G	H
201610	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
252010	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
252012	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
3010	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
3012	3.0±0.2	3.0±0.2	1.3Max	1.2±0.3	0.9±0.3	1.1	1.0	2.7
3015	3.0±0.2	3.0±0.2	1.7Max	1.2±0.3	0.9±0.3	1.1	1.0	2.7
4012	4.0±0.2	4.0±0.2	1.2Max	1.6±0.3	1.2±0.3	1.4	1.3	3.7
4018	4.0±0.2	4.0±0.2	1.8Max	1.6±0.3	1.2±0.3	1.4	1.3	3.7
4020	4.0±0.2	4.0±0.2	2.0Max	1.6±0.3	1.2±0.3	1.4	1.3	3.7
4030	4.0±0.2	4.0±0.2	3.0Max	1.3±0.3	1.35±0.3	1.2	1.40	3.7
5020	5.0±0.2	5.0±0.2	2.1Max	1.4±0.3	1.8±0.3	1.2	1.9	4.2
5040	5.0±0.2	5.0±0.2	4.0Max	1.6±0.3	1.7±0.3	1.4	1.8	4.2
6020	6.0±0.3	6.0±0.3	2.1Max	2.3±0.3	1.85±0.3	2.4	1.8	5.7

6028	6.0±0.3	6.0±0.3	3.0Max	2.3±0.3	1.85±0.3	2.4	1.8	5.7
6045	6.0±0.3	6.0±0.3	4.7Max	2.3±0.3	1.85±0.3	2.4	1.8	5.7
8040	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 (μH) 电感值	DCR (± 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
5040-1.0uH/N	1.0±30%	0.012	7.35	4.90	117
5040-1.2uH/N	1.2±30%	0.016	6.50	4.15	110
5040-1.5uH/N	1.5±30%	0.018	6.30	4.00	86
5040-2.2uH/N	2.2±30%	0.019	4.90	3.80	50
5040-3.3uH/N	3.3±30%	0.024	3.95	3.40	32
5040-4.7uH/M	4.7±20%	0.032	3.50	3.00	28
5040-5.6uH/M	5.6±20%	0.035	3.00	2.80	27
5040-6.8uH/M	6.8±20%	0.043	2.90	2.50	21
5040-10uH/M	10±20%	0.064	2.35	2.10	18
5040-15uH/M	15±20%	0.086	2.00	2.00	13
5040-22uH/M	22±20%	0.129	1.60	1.50	11
5040-33uH/M	33±20%	0.188	1.30	1.20	9.1
5040-47uH/M	47±20%	0.272	1.10	1.00	6.7
5040-68uH/M	68±20%	0.400	0.90	0.80	5.7
5040-100uH/M	100±20%	0.560	0.75	0.70	4.7
5040-150uH/M	150±20%	0.750	0.65	0.60	5
5040-220uH/M	220±20%	1.280	0.40	0.38	3
5040-1mH/M	1000±20%	6.200	0.25	0.25	2
5040-2.2mH/M	2200±20%	13.000	0.10	0.10	2

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)

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

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 ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient.

4. Operating Temperature : $-25^{\circ}\text{C} \sim +125^{\circ}\text{C}$