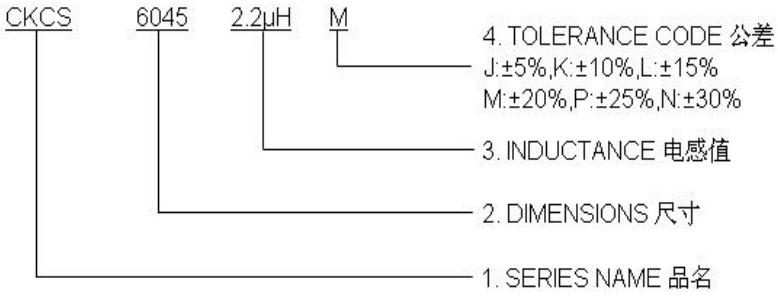
● FEATURES 特性

1. Small and very Thin inductor 小型,超薄电感器
2. Magnetic-resin shielded conruction reduces buzz noise
   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

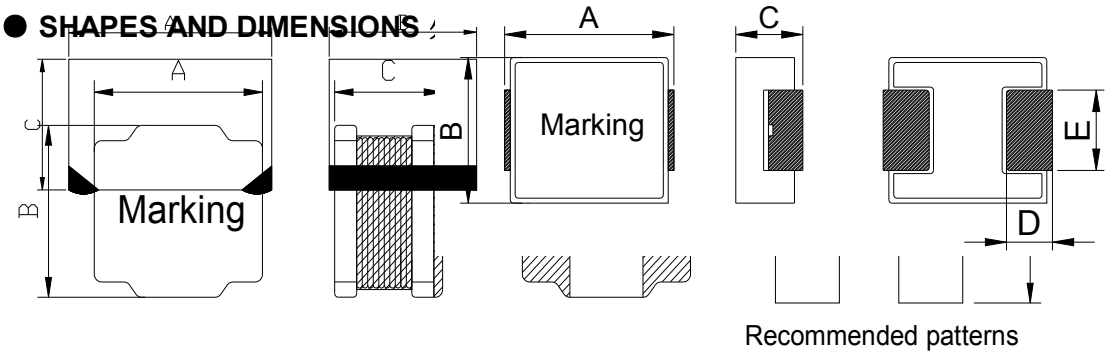
● APPLICATIONS 用途

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
NR201610	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
NR252010	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
NR252012	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
NR3010	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
NR3012	3.0±0.2	3.0±0.2	1.3Max	1.2±0.3	0.9±0.3	1.1	1.0	2.7
NR3015	3.0±0.2	3.0±0.2	1.7Max	1.2±0.3	0.9±0.3	1.1	1.0	2.7
NR4012	4.0±0.2	4.0±0.2	1.2Max	1.6±0.3	1.2±0.3	1.4	1.3	3.7
NR4018	4.0±0.2	4.0±0.2	1.8Max	1.6±0.3	1.2±0.3	1.4	1.3	3.7
NR4020	4.0±0.2	4.0±0.2	2.0Max	1.6±0.3	1.2±0.3	1.4	1.3	3.7
NR4030	4.0±0.2	4.0±0.2	3.0Max	1.3±0.3	1.35±0.3	1.2	1.40	3.7
NR5020	5.0±0.2	5.0±0.2	2.1Max	1.4±0.3	1.8±0.3	1.2	1.9	4.2
NR5040	5.0±0.2	5.0±0.2	4.0Max	1.6±0.3	1.7±0.3	1.4	1.8	4.2
NR6020	6.0±0.3	6.0±0.3	2.1Max	2.3±0.3	1.85±0.3	2.4	1.8	5.7

NR6028	6.0±0.3	6.0±0.3	3.0Max	2.3±0.3	1.85±0.3	2.4	1.8	5.7
NR6045	6.0±0.3	6.0±0.3	4.7Max	2.3±0.3	1.85±0.3	2.4	1.8	5.7
NR8040	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
NR8040-0.82uH/N	0.82±30%	0.008	13.80	6.30	94
NR8040-1.0uH/N	1.0±30%	0.008	9.85	6.30	89
NR8040-1.5uH/N	1.5±30%	0.010	8.15	5.65	67
NR8040-2.2uH/N	2.2±30%	0.012	7.10	5.15	41
NR8040-3.3uH/N	3.3±30%	0.017	6.50	4.40	27
NR8040-4.7uH/N	4.7±30%	0.019	5.90	4.10	24
NR8040-6.8uH/M	6.8±20%	0.024	4.55	3.60	20
NR8040-8.2uH/M	8.2±20%	0.026	4.20	3.45	17
NR8040-10uH/M	10±20%	0.042	3.60	3.30	15
NR8040-15uH/M	15±20%	0.047	2.95	2.60	12
NR8040-18uH/M	18±20%	0.053	2.70	2.40	11
NR8040-22uH/M	22±20%	0.069	2.40	2.10	9.5
NR8040-33uH/M	33±20%	0.097	2.05	1.80	7.8
NR8040-47uH/M	47±20%	0.136	1.75	1.55	6.4
NR8040-68uH/M	68±20%	0.196	1.45	1.25	4.9
NR8040-82uH/M	82±20%	0.225	1.30	1.15	4.9
NR8040-100uH/M	100±20%	0.290	1.15	1.00	4.2
NR8040-120uH/M	120±20%	0.334	1.05	0.95	3.5
NR8040-150uH/M	150±20%	0.410	1.10	0.85	3.5
NR8040-220uH/M	220±20%	0.599	0.85	0.80	3.5
NR8040-330uH/M	330±20%	0.889	0.68	0.64	2.8
NR8040-470uH/M	470±20%	1.260	0.60	0.54	2.1
NR8040-680uH/M	680±20%	2.040	0.50	0.45	1.7
NR8040-1mH/M	1000±20%	2.800	0.40	0.35	1.4

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 (△T =40°C) from 25°C ambient.

4. Operating Temperature : -25℃ ~ +125℃