

● **FEATURES 特性**

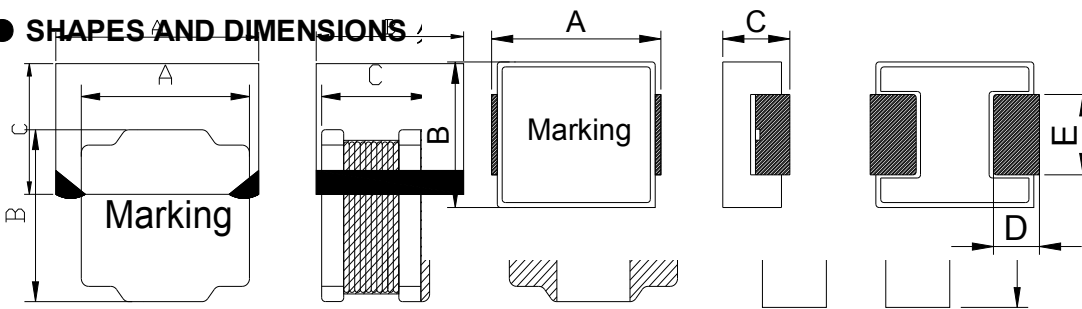
1. Small and very Thin inductor 小型,超薄电感器
2. Magnetic-resin shielded construction reduces buzz  
磁性胶水涂敷结构极大减少了蜂鸣声
3. Takes up less PCB real estate and save more power  
省空间 更省电



● **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

● **SHAPES AND DIMENSIONS**



Recommended patterns

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:**

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)

PART NUMBER 品名	INDUCTANCE ( $\mu$ H) 电感值	DCR ( $\pm$ 30%) ( $\Omega$ ) 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
4018-1.0uH/N	1.0 $\pm$ 30%	0.025	4.20	2.00	80
4018-1.5uH/N	1.5 $\pm$ 30%	0.030	3.35	1.80	65
4018-2.2uH/M	2.2 $\pm$ 20%	0.045	2.70	1.65	52
4018-3.3uH/M	3.3 $\pm$ 20%	0.070	2.45	1.23	44
4018-4.7uH/M	4.7 $\pm$ 20%	0.090	1.70	1.20	34
4018-6.8uH/M	6.8 $\pm$ 20%	0.110	1.45	1.06	29
4018-10uH/M	10 $\pm$ 20%	0.180	1.30	0.84	24
4018-15uH/M	15 $\pm$ 20%	0.250	0.94	0.65	19
4018-22uH/M	22 $\pm$ 20%	0.360	0.80	0.59	16
4018-33uH/M	33 $\pm$ 20%	0.530	0.56	0.49	12
4018-47uH/M	47 $\pm$ 20%	0.650	0.57	0.42	10
4018-68uH/M	68 $\pm$ 20%	1.000	0.47	0.32	8.3
4018-100uH/M	100 $\pm$ 20%	1.750	0.40	0.25	6.5
4018-150uH/M	150 $\pm$ 20%	2.500	0.31	0.22	5.5
4018-220uH/M	220 $\pm$ 20%	4.000	0.27	0.17	4.0
4018-330uH/M	330 $\pm$ 20%	6.500	0.20	0.14	2.2

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

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