



# HLTN3010

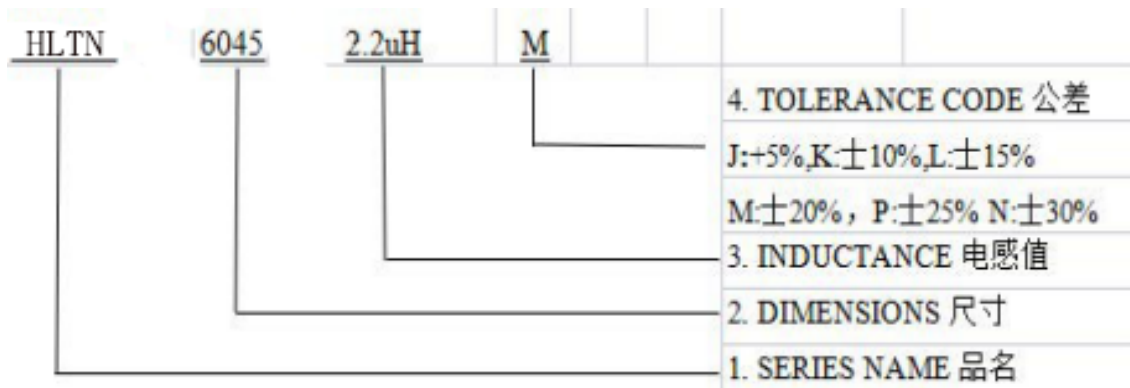
## FEATURES 特性

1. Small and very Thin inductor 小型, 超薄电感器
2. Magnetic-resin shielded construction reduces buzz noise to ultra-low levels  
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

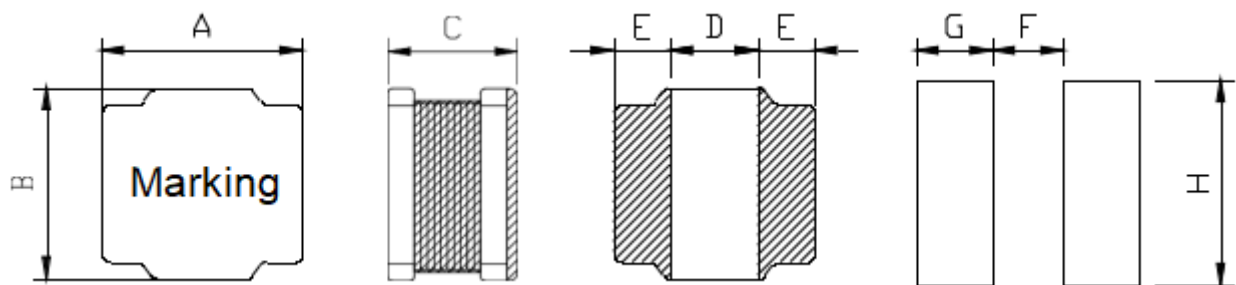
## APPLICATIONS

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

Product title	Size (LxWxH)	Inductance	Rated current
HLTN3010	3.0±0.2mm/3.0±0.2mm/1.0±0.1mm	1.0~47uH	1.45~0.26A



## PART NUMBERING SYSTEM



TYPE(型号)	A	B	C	D	E	F	G	H
HLTN3010	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



## 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
HLTN3010- 1.0uH/N	1.0±30%	0.065	1.40	1.45	180
HLTN3010- 1.5uH/N	1.5±30%	0.080	1.27	1.30	120
HLTN3010- 2.2uH/N	2.2±30%	0.110	1.15	1.09	100
HLTN3010- 3.3uH/M	3.3±20%	0.145	0.97	0.96	74
HLTN3010- 4.7uH/M	4.7±20%	0.225	0.75	0.77	59
HLTN3010- 6.8uH/M	6.8±20%	0.305	0.55	0.66	42
HLTN3010- 10uH/M	10±20%	0.400	0.55	0.58	39
HLTN3010- 15uH/M	15±20%	0.610	0.42	0.47	30
HLTN3010- 22uH/M	22±20%	0.930	0.35	0.38	28
HLTN3010- 33uH/M	33±20%	1.550	0.29	0.30	18
HLTN3010- 47uH/M	47±20%	1.950	0.22	0.26	18

### Remark:

1. Inductance Tested at 1MHz, 0.25Vrms (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°C ambient.
4. Operating Temperature :  $-25^\circ\text{C} \sim +125^\circ\text{C}$