



# HLTYH252010

## FEATURES 特性

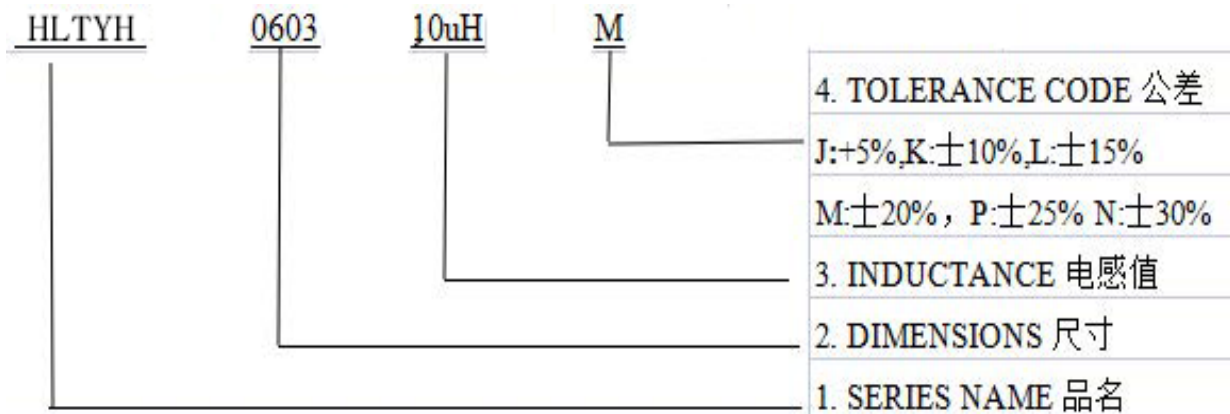
- 1.Magnetic shield structure, closed magnetic circuit, strong anti-electromagnetic interference, ultra-low buzzer, high-density installation. 磁屏蔽结构,闭合磁路,抗电磁干扰强,超低蜂鸣声,可高密度安装.
- 2.Small size, large current, range up to 60A, in high frequency and high temperature environment to maintain excellent temperature rise current and saturation current characteristics.小体积,大电流,范围可到60A,在高频和高温环境下保持优良的温升电流及饱和电流特性.
- 3.Low loss alloy powder die-casting, low resistance. Strong structure, high product accuracy.低损耗合金粉末压铸,低电阻.结构牢固,产品精准度高.
- 4.Wide operating frequency range, up to 5MHz or more. Halogen-free environmental protection products.工作频率范围广,可达5MHz以上. 无卤环保产品.

## APPLICATIONS 用途

1. PAD/Notebook/Desktop/Server applications PAD, 笔记本电脑, 台式机, 服务器,
2. DC/DC converter DC/DC转换器

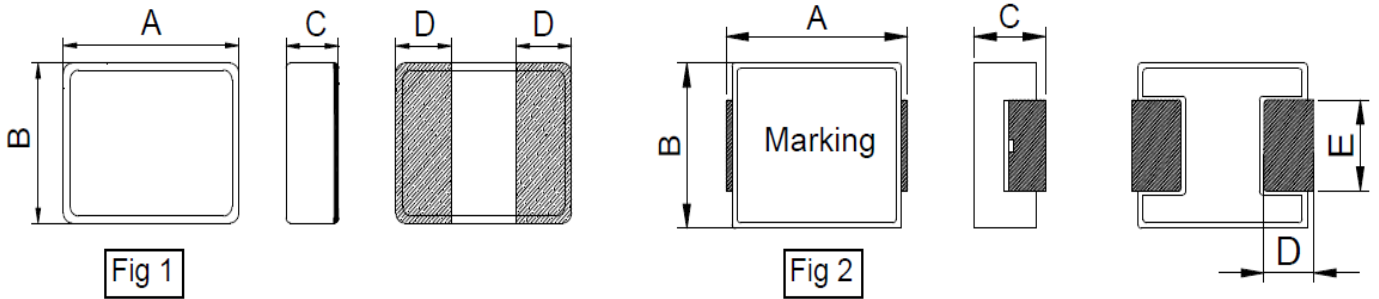
Product title	Size (LxWxH)	Inductance	Rated current
HLTYH252010	2.5±0.2mm/2.0±0.2mm/1.0mm Max	0.33µH~2.2µH	4.00A~1.80A

## PART NUMBERING SYSTEM

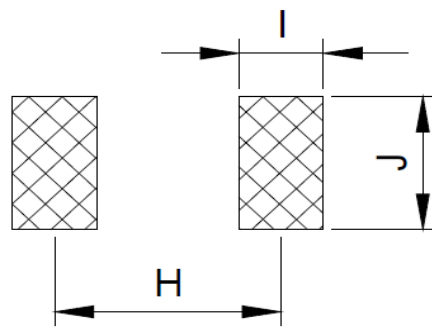




## SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



TYPE(型号)	A	B	C	D	E	Fig
HLTYH252010	2.5±0.2	2.0±0.2	1.0 Max	0.8±0.3	/	1



TYPE(型号)	H	I	J
HLTYH252010	2	1.2	2.2



## SPECIFICATION TABLE:

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR ( $m\Omega$ ) @25°C		Heat Rating Current DC Amps. Idc (A)	Saturation Current DC Amps. Isat (A)
		Typical	Maximum	Typical	Typical
HLTN252010-0.33uH/M	0.33 $\pm$ 20%	23.0	28.0	4.00	5.50
HLTN252010-0.47uH/M	0.47 $\pm$ 20%	26.0	32.0	3.70	5.00
HLTN252010-0.68uH/M	0.68 $\pm$ 20%	35.0	43.0	3.40	4.30
HLTN252010-1uH/M	1 $\pm$ 20%	51.0	64.0	3.00	3.60
HLTN252010-1.5uH/M	1.5 $\pm$ 20%	76.0	91.0	2.30	2.80
HLTN252010-2.2uH/M	2.2 $\pm$ 20%	104.0	124.0	1.80	2.40

### Remark:

All test data is reference to 25°C ambient.

Test Condition : 1MHz , 1Vrms

Idc : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.

Operat between temperature range -40°C to +125°C (Including self - temperature rise)

Absolute maximum voltage: DC 25V