



HLTYH201610

FEATURES 特性

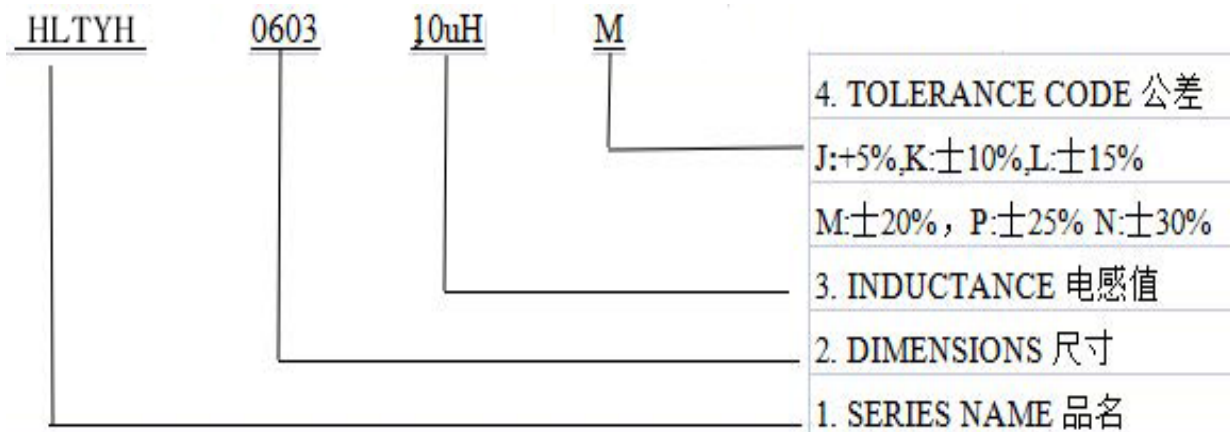
- 1.Magnetic shield structure, closed magnetic circuit, strong anti-electromagnetic interference, ultra-low buzzer, high-density installation. 磁屏蔽结构,闭合磁路,抗电磁干扰强,超低蜂鸣声,可高密度安装.
- 2.Small size, large current, range up to 60A, in high frequency and high temperature environment to maintain excellent temperature 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

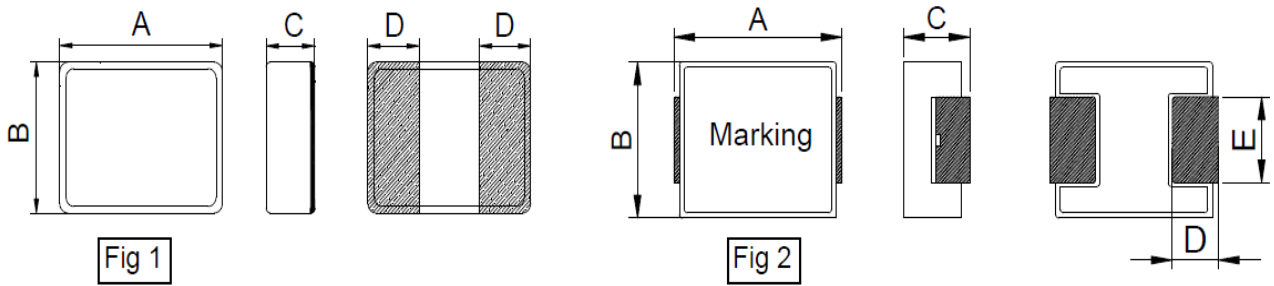
Product title	Size (LxWxH)	Inductance	Rated current
HLTYH201610	2.0±0.2mm/1.6±0.2mm/1.0mm Max	0.33μH~10μH	4.50A~0.70A

PART NUMBERING SYSTEM

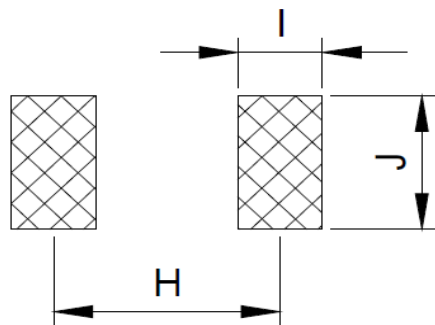




SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



TYPE(型号)	A	B	C	D	E	Fig
HLTYH201610	2.0±0.2	1.6±0.2	1.0 Max	0.6±0.3	/	1



TYPE(型号)	H	I	J
HLTYH201610	1.5	1	1.8

SPECIFICATION TABLE:

PART NUMBER	INDUCTANCE (μH)	DCR (mΩ) @25°C		Heat Rating Current	Saturation Current DC
		Typical	Maximum	DC Amps. Idc (A)	Amps. Isat (A)
HLTYH201610-0.33uH/M	0.33±20%	20.0	23.0	4.50	6.00
HLTYH201610-0.47uH/M	0.47±20%	23.0	27.0	4.40	5.60
HLTYH201610-0.68uH/M	0.68±20%	30.0	35.0	4.00	5.40
HLTYH201610-1uH/M	1±20%	35.0	41.0	4.00	4.60



HLTYH201610- 1.5uH/M	1.5±20%	64.0	74.0	3.20	3.50
HLTYH201610- 2.2uH/M	2.2±20%	123.0	135.0	2.30	3.00
HLTYH201610- 4.7uH/M	4.7±20%	213.0	235.0	1.50	1.90
HLTYH201610- 10uH/M	10±20%	580.0	667.0	0.70	0.90

Remark:

All test data is reference to 25°C ambient.

Test Condition : 1MHz , 1Vrms

I_{dc} : DC current (A) that will cause an approximate Δ T of 40°C

I_{sat} : 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