



HLTYH0605

FEATURES 特性

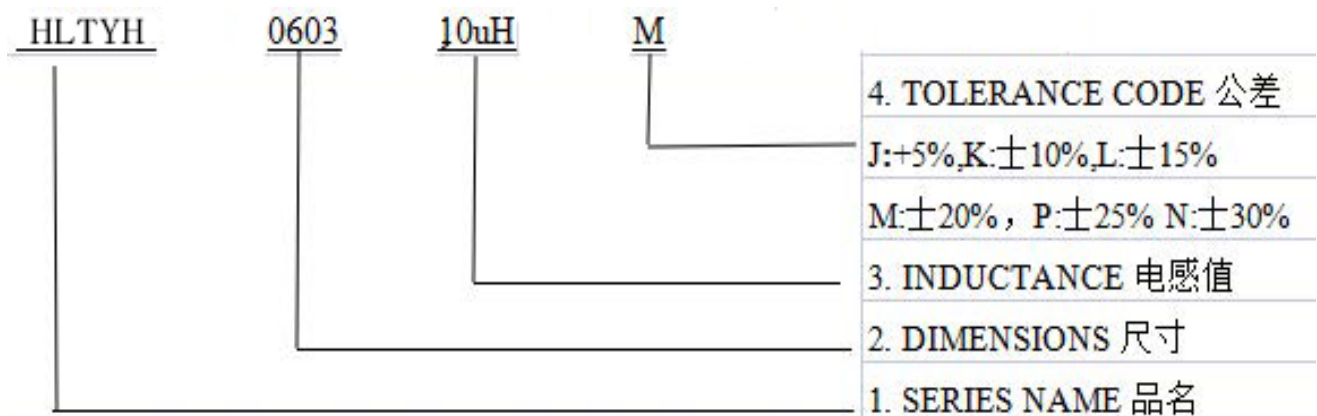
- 1.Magnetic shield structure, closed magnetic circuit, strong anti-electromagnetic interference, ultra-low buzzer, high-density installation. 磁屏蔽结构,闭合磁路,抗电磁干扰强,超低蜂鸣声,可高密度安装.
- 2.Small size, large current, range up to 60A, in high frequency and high temperature environment to maintain excellent temperature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

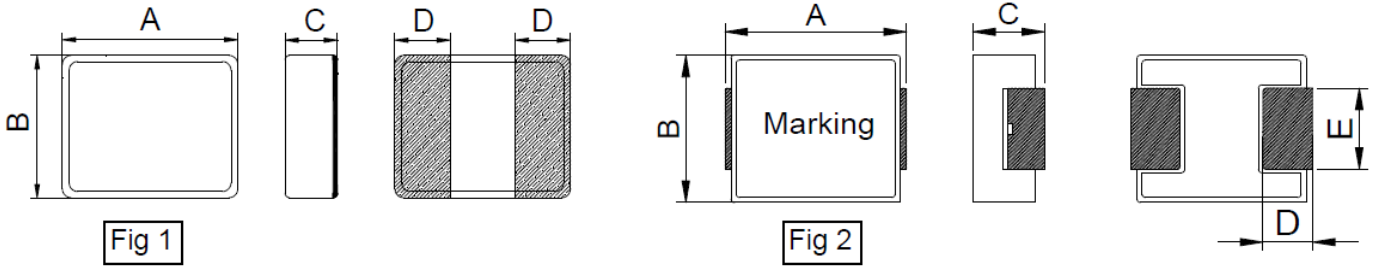
Product title	Size (LxWxH)	Inductance	Rated current
HLTYH0605	7.5mm Max/6.6±0.2mm/5.0mm Max	1μH~68μH	12.00A~1.20A

PART NUMBERING SYSTEM

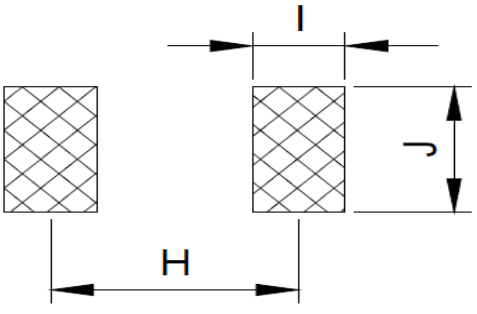




SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



TYPE(型号)	A	B	C	D	E	Fig
HLTYH0605	7.5 Max	6.6±0.2	5.0 Max	1.6±0.3	3.0±0.2	2



TYPE(型号)	H	I	J
HLTYH0605	6.05	2.35	3.5

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)
HLTYH0605-1uH/M	1±20%	5.60	6.50	12.00	13.00
HLTYH0605-1.5uH/M	1.5±20%	7.10	8.50	10.00	12.00
HLTYH0605-2.2uH/M	2.2±20%	11.60	13.50	7.00	10.00



HLTYH0605- 3.3uH/M	3.3±20%	19.60	22.00	6.50	9.00
HLTYH0605- 4.7uH/M	4.7±20%	27.00	30.00	5.70	8.00
HLTYH0605- 6.8uH/M	6.8±20%	38.00	44.00	5.00	7.00
HLTYH0605- 10uH/M	10±20%	46.00	55.00	4.20	6.00
HLTYH0605- 15uH/M	15±20%	72.00	85.00	3.50	4.00
HLTYH0605- 22uH/M	22±20%	115.00	130.00	2.80	3.20
HLTYH0605- 33uH/M	33±20%	158.00	180.00	2.40	3.00
HLTYH0605- 47uH/M	47±20%	260.00	290.00	2.00	2.50
HLTYH0605- 68uH/M	68±20%	425.00	468.00	1.20	2.00

Remark:

All test data is reference to 25°C ambient.

Test Condition : 1MHz , 1Vrms

Idc : DC current (A) that will cause an approximate Δ 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