



HLTYH0402

FEATURES 特性

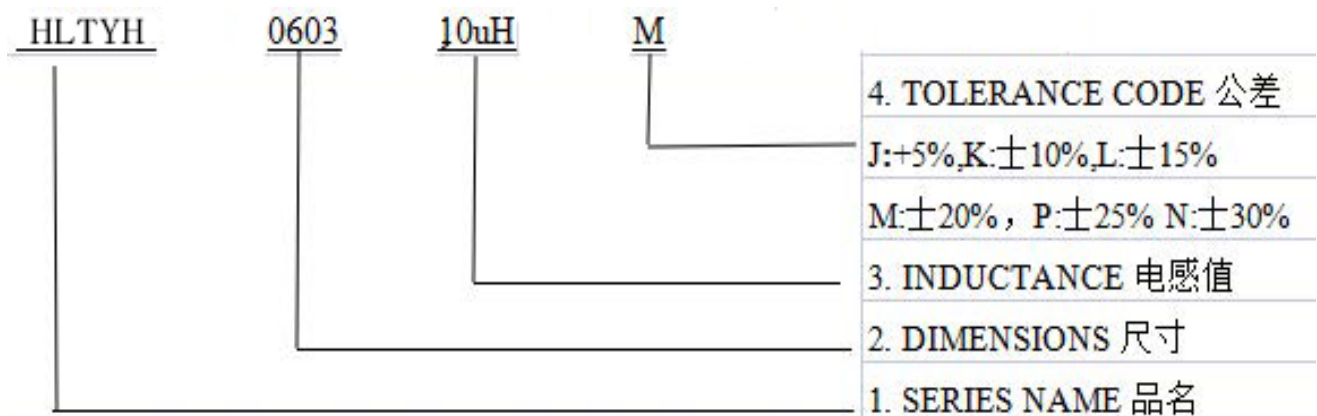
- 1.Magnetic shield structure, closed magnetic circuit, strong anti-electromagnetic interference, ultra-low buzzer, high-density installation. 磁屏蔽结构,闭合磁路,抗电磁干扰强,超低蜂鸣声,可高密度安装.
- 2.Small size, large current, range up to 60A, in high frequency and high temperature environment to maintain excellent temperature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

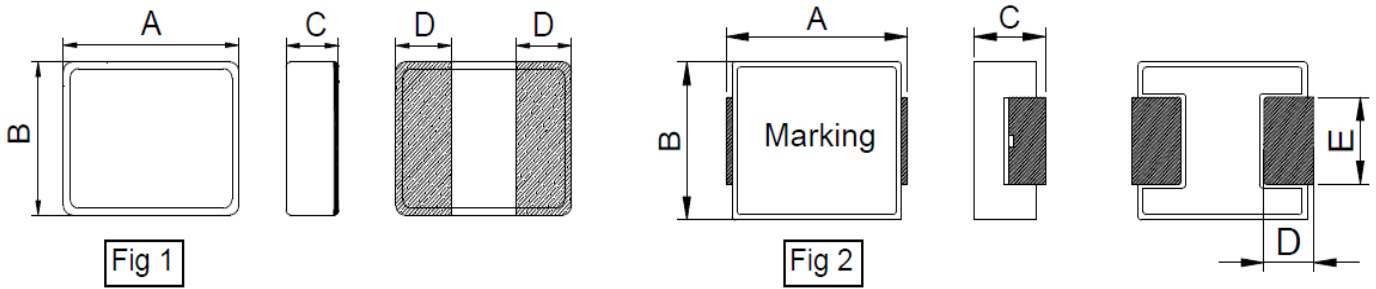
Product title	Size (LxWxH)	Inductance	Rated current
HLTYH0402	4.6±0.25mm/4.1±0.35mm/2.0mm Max	0.1μH~10μH	12.00A~1.20A

PART NUMBERING SYSTEM

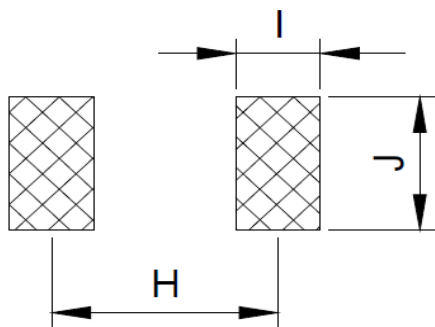




SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



TYPE(型号)	A	B	C	D	E	Fig
HLTYH0402	4.6±0.25	4.1±0.35	2.0 Max	0.76±0.3	1.5±0.3	2



TYPE(型号)	H	I	J
HLTYH0402	3.7	1.26	2.5

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)
HLTYH0402-0.1uH/M	0.1±20%	3.50	4.00	12.00	25.00
HLTYH0402-0.22uH/M	0.22±20%	6.00	6.60	9.00	12.50
HLTYH0402-0.33uH/M	0.33±20%	8.70	12.50	8.00	11.00



HLTYH0402- 0.47uH/M	0.47±20%	12.50	14.00	7.00	10.00
HLTYH0402- 0.56uH/M	0.56±20%	14.00	16.00	6.50	8.00
HLTYH0402- 0.68uH/M	0.68±20%	16.00	18.00	5.20	8.00
HLTYH0402- 1uH/M	1±20%	24.00	27.00	4.50	7.00
HLTYH0402- 1.5uH/M	1.5±20%	38.00	46.00	4.00	6.00
HLTYH0402- 2.2uH/M	2.2±20%	52.00	58.00	3.00	5.00
HLTYH0402- 3.3uH/M	3.3±20%	74.00	87.00	2.50	4.00
HLTYH0402- 4.7uH/M	4.7±20%	100.00	126.00	2.20	3.00
HLTYH0402- 6.8uH/M	6.8±20%	162.00	178.00	2.00	2.50
HLTYH0402- 8.2uH/M	8.2±20%	188.00	216.00	1.80	2.20
HLTYH0402- 10uH/M	10±20%	256.00	294.00	1.20	2.00

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