



HLTYH0302

FEATURES 特性

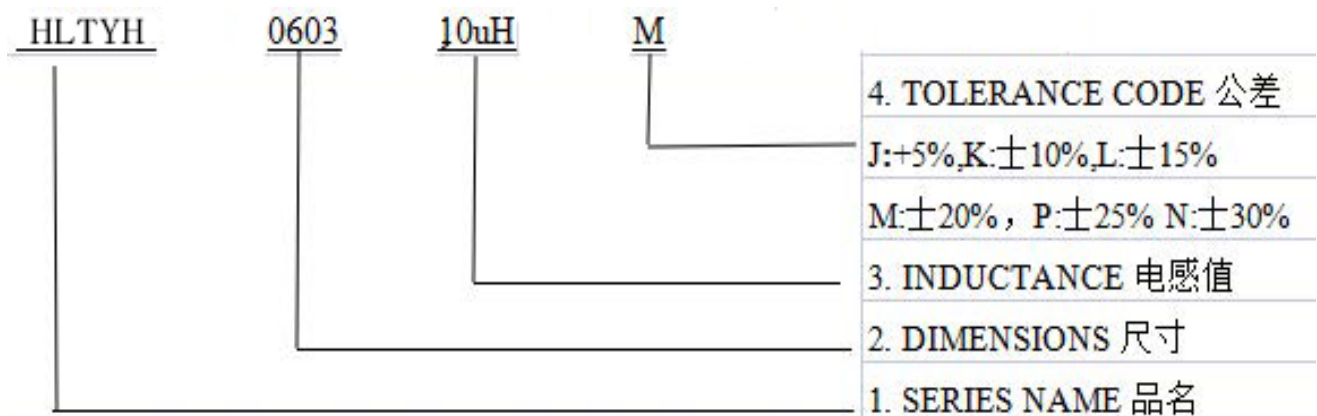
- 1.Magnetic shield structure, closed magnetic circuit, strong anti-electromagnetic interference, ultra-low buzzer, high-density installation. 磁屏蔽结构,闭合磁路,抗电磁干扰强,超低蜂鸣声,可高密度安装.
- 2.Small size, large current, range up to 60A, in high frequency and high temperature environment to maintain excellent temperature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

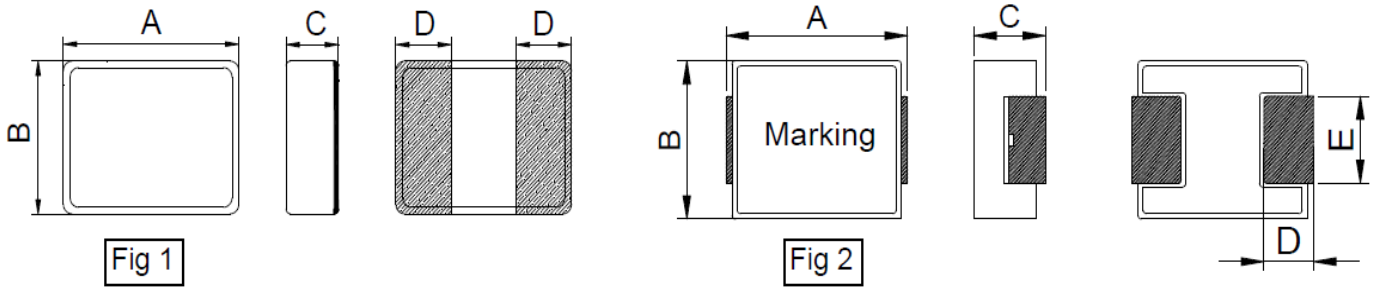
Product title	Size (LxWxH)	Inductance	Rated current
HLTYH0302	3.5±0.2mm/3.2±0.2mm/2.0mm Max	0.47µH~10.0µH	7.00A~1.4A

PART NUMBERING SYSTEM

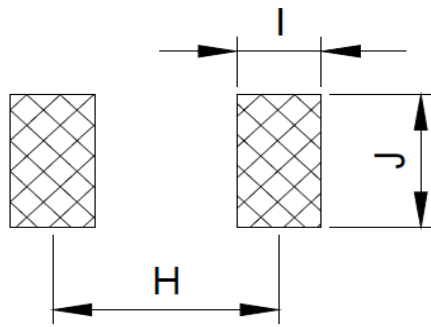




SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



TYPE(型号)	A	B	C	D	E	Fig
HLTYH0302	3.5 ± 0.2	3.2 ± 0.2	2.0 Max	0.7 ± 0.2	1.2 ± 0.2	2



TYPE(型号)	H	I	J
HLTYH0302	2.7	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)
HLTYH0302-0.47uH/M	0.47±20%	18.0	23.0	7.00	9.00
HLTYH0302-0.68uH/M	0.68±20%	23.0	29.0	5.50	7.00
HLTYH0302-1uH/M	1±20%	31.0	38.0	4.00	5.00
HLTYH0302-2.2uH/M	2.2±20%	66.0	75.0	3.50	3.70
HLTYH0302-3.3uH/M	3.3±20%	132.0	145.0	3.00	3.50
HLTYH0302-4.7uH/M	4.7±20%	185.0	200.0	2.60	3.00
HLTYH0302-6.8uH/M	6.8±20%	270.0	300.0	1.90	2.20
HLTYH0302-10uH/M	10.0±20%	380.0	422.0	1.40	1.60

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