

一体成型电感 CKSTH 系列

● FEATURES 特性

1. 闭合磁路,漏磁干扰小

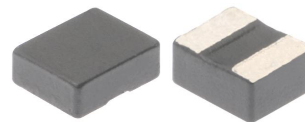
Closed magnetic circuit design reduces leakage flux

2. 采用热喷涂技术,电感表面致密性好

Using thermal spraying technology, the surface of the inductor is compact

3. 低损耗合金粉末压铸,低直流电阻

Low loss alloy powder die casting, low DC resistance

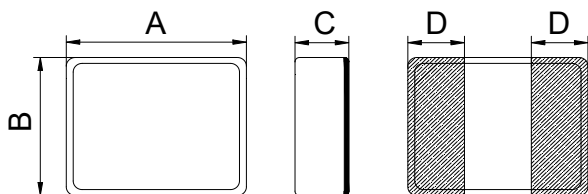


● APPLICATIONS 用途

智能手机, 平板电脑, LED显示屏, 智能穿戴, WiFi模组, 集成模组

Smartphones, Pad, LED displays, Smart wearables, WiFi modules, Integrated modules

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



TYPE(型号)	A	B	C	D
CKSTPH1412055	1.4±0.2	1.2±0.2	0.55 Max	0.4±0.2
CKSTH1412065	1.4±0.2	1.2±0.2	0.65 Max	0.4±0.2
CKSTH141208	1.4±0.2	1.2±0.2	0.8 Max	0.4±0.2
CKSTH1608065	1.6±0.2	0.8±0.2	0.65 Max	0.5±0.2
CKSTH160808	1.6±0.2	0.8±0.2	0.8 Max	0.5±0.2
CKSTH160810	1.6±0.2	0.8±0.2	1.0 Max	0.5±0.2
CKSTH2012065	2.0±0.2	1.2±0.2	0.65 Max	0.6±0.3
CKSTH201208	2.0±0.2	1.2±0.2	0.8 Max	0.6±0.3
CKSTH201210	2.0±0.2	1.2±0.2	1.0 Max	0.6±0.3
CKSTH201212	2.0±0.2	1.2±0.2	1.2 Max	0.6±0.3
CKSTH2016065	2.0±0.2	1.6±0.2	0.65 Max	0.5±0.2
CKSTH201608	2.0±0.2	1.6±0.2	0.8 Max	0.5±0.2
CKSTH201610	2.0±0.2	1.6±0.2	1.0 Max	0.5±0.2
CKSTH201612	2.0±0.2	1.6±0.2	1.2 Max	0.5±0.2
CKSTH252008	2.5±0.2	2.0±0.2	0.8 Max	0.8±0.3
CKSTH252010	2.5±0.2	2.0±0.2	1.0 Max	0.8±0.3
CKSTH252012	2.5±0.2	2.0±0.2	1.2 Max	0.8±0.3

● **PART NUMBERING SYSTEM** 品名系统

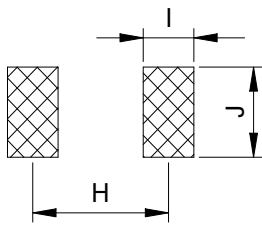
CKSTH 2016 - 1uH - M

A B C D

A: Type 型号 B: External Dimensions 外形尺寸

C: Indutance 电感值 D: Indutance Tolerance 电感值公差 (M:±20% N:±30%)

● **RECOMMENDED PATTERNS** 推荐的焊盘



TYPE(型号)	H	I	J
CKSTH1412	1.1	0.6	1.5
CKSTPH1412	1.1	0.6	1.5
CKSTH1608	1.2	0.8	1.0
CKSTH2012	1.5	1.0	1.5
CKSTH2016	1.5	1.0	1.8
CKSTH2520	2.0	1.2	2.2

● SPECIFICATION TABLE 规格特性表
CKSTPH1412055

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current Irms (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTPH1412055-0.15uH/M	0.15 \pm 20%	16	19	6	5.5	4.3	3.9
CKSTPH1412055-0.24uH/M	0.24 \pm 20%	23	27	5.6	5.2	4.2	3.8
CKSTPH1412055-0.33uH/M	0.33 \pm 20%	28	32	4.2	4	3.6	3.2

CKSTH1412065

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current Irms (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH1412065-0.1uH/N	0.1 \pm 30%	14.0	16.0	8.7	7.7	5.0	4.5
CKSTH1412065-0.15uH/M	0.15 \pm 20%	14.0	17.0	7.7	7.0	4.5	4.1
CKSTH1412065L-0.24uH/M	0.24 \pm 20%	19.5	23.5	7.2	6.5	4.0	3.6
CKSTH1412065-0.33uH/M	0.33 \pm 20%	26.0	32.0	5.5	5.0	3.7	3.5
CKSTH1412065-0.47uH/M	0.47 \pm 20%	35.0	41.0	3.3	3.0	3.2	2.9

CKSTH141208

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current Irms (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH141208-0.24uH/M	0.24 \pm 20%	20.0	24.0	7.0	6.5	5.3	4.9
CKSTH141208-0.33uH/M	0.33 \pm 20%	23.0	27.0	5.6	5.2	4.2	3.8
CKSTH141208-0.47uH/M	0.47 \pm 20%	28.0	32.0	4.2	4.0	3.6	3.2
CKSTH141208-1uH/M	1.0 \pm 20%	73.0	87.0	2.0	1.6	2.3	2.0

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Test Condition: 1MHz, 1Vrms

3. Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current;
 Typ. Value, DC current at which the inductance drops 30% from its value without current.

4. Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.

5. Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)

6. Absolute maximum voltage: DC 20V

CKSTH1608065

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current I _{rms} (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH1608065-0.47uH/M	0.47 \pm 20%	65.0	75.0	3.5	3.0	2.2	2.0
CKSTH1608065-0.56uH/M	0.56 \pm 20%	72.0	86.0	2.5	2.2	1.9	1.7
CKSTH1608065-1uH/M	1.0 \pm 20%	135.0	160.0	2.0	1.8	1.5	1.3

CKSTH160808

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current I _{rms} (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH160808-0.24uH/M	0.24 \pm 20%	22.0	26.0	4.9	4.4	3.9	3.5
CKSTH160808-0.47uH/M	0.47 \pm 20%	43.0	50.0	3.4	3.1	3.0	2.8
CKSTH160808-0.56uH/M	0.56 \pm 20%	50.0	60.0	3.0	2.7	2.5	2.2
CKSTH160808-1uH/M	1.0 \pm 20%	110.0	130.0	2.6	2.3	2.0	1.8
CKSTH160808L-1uH/M	1.0 \pm 20%	95.0	110.0	2.3	2.1	2.1	1.9
CKSTH160808-2.2uH/M	2.2 \pm 20%	237.0	292.0	1.8	1.5	1.3	1.2

CKSTH160810

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current I _{rms} (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH160810-0.1uH/N	0.1 \pm 30%	12.5	15.0	10.0	9.0	6.0	5.5
CKSTH160810-0.24uH/M	0.24 \pm 20%	24.0	28.0	6.0	5.5	3.8	3.4
CKSTH160810-0.33uH/M	0.33 \pm 20%	28.0	33.0	4.0	3.5	3.7	3.2
CKSTH160810-0.47uH/M	0.47 \pm 20%	36.0	41.0	3.5	3.0	3.6	3.1
CKSTH160810-0.68uH/M	0.68 \pm 20%	50.0	60.0	3.0	2.5	2.5	2.2
CKSTH160810-1uH/M	1.0 \pm 20%	80.0	96.0	2.4	2.0	2.0	1.8
CKSTH160810-2.2uH/M	2.2 \pm 20%	237.0	280.0	1.8	1.5	1.3	1.2

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Test Condition: 1MHz, 1V_{rms}

3. Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current;
Typ. Value, DC current at which the inductance drops 30% from its value without current.

4. I_{rms}: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.

5. Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C (Including self - temperature rise)

6. Absolute maximum voltage: DC 20V

CKSTH2012065

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current I _{rms} (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTPH2012065-0.47uH/M	0.47 \pm 20%	28.0	34.0	5.0	4.5	3.7	3.4
CKSTH2012065-0.47uH/M	0.47 \pm 20%	35.0	42.0	5.0	4.5	3.4	3.0
CKSTH2012065-1uH/M	1.0 \pm 20%	71.0	86.0	3.0	2.5	2.6	2.3
CKSTH2012065-1.5uH/M	1.5 \pm 20%	130.0	150.0	2.0	1.8	1.9	1.6
CKSTH2012065-2.2uH/M	2.2 \pm 20%	175.0	210.0	1.8	1.6	1.4	1.3

CKSTH201208

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current I _{rms} (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH201208-0.11uH/N	0.11 \pm 30%	8.0	10.0	12.0	10.0	7.5	6.6
CKSTH201208-0.24uH/M	0.24 \pm 20%	16.0	19.0	7.2	6.5	6.0	5.4
CKSTH201208-0.33uH/M	0.33 \pm 20%	23.0	28.0	6.2	5.6	4.3	4.0
CKSTH201208-0.47uH/M	0.47 \pm 20%	25.0	29.0	4.8	4.3	3.9	3.7
CKSTH201208H-0.47uH/M	0.47 \pm 20%	32.0	38.0	5.9	5.3	3.8	3.2
CKSTH201208-1uH/M	1.0 \pm 20%	45.0	55.0	3.8	3.3	3.5	3.2
CKSTH201208H-1uH/M	1.0 \pm 20%	75.0	90.0	4.0	3.6	2.3	2.1
CKSTH201208-2.2uH/M-X01	2.2 \pm 20%	180.0	216.0	2.6	2.3	1.4	1.2

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Test Condition: 1MHz, 1V_{rms}

3. Isat: Max. Value, DC current at which the inductance drops less than 30% from its value without current;
 Typ. Value, DC current at which the inductance drops 30% from its value without current.

4. I_{rms}: For Max. Value, $\Delta T < 40^{\circ}C$; for Typ. Value, ΔT is approximate 40 $^{\circ}C$.

5. Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)

6. Absolute maximum voltage: DC 25V

CKSTH201210

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current I _{rms} (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH201210-0.047uH/N	0.047 \pm 30%	5.0	6.0	16.0	14.0	9.5	8.5
CKSTH201210-0.11uH/N	0.11 \pm 30%	8.0	10.0	11.0	10.0	7.0	6.5
CKSTH201210-0.24uH/M	0.24 \pm 20%	13.0	16.0	6.7	6.2	5.7	5.2
CKSTH201210-0.33uH/M	0.33 \pm 20%	19.0	22.0	7.0	6.5	5.2	4.8
CKSTH201210-0.47uH/M	0.47 \pm 20%	19.0	22.0	5.1	4.6	5.2	4.8
CKSTH201210H-0.47uH/M	0.47 \pm 20%	21.0	24.0	5.7	5.1	5.2	4.8
CKSTH201210-0.56uH/M	0.56 \pm 20%	31.0	36.0	4.6	4.2	3.8	3.4
CKSTH201210-0.68uH/M	0.68 \pm 20%	40.0	46.0	4.5	4.0	3.6	3.2
CKSTH201210-1uH/M	1.0 \pm 20%	46.0	51.0	4.0	3.6	3.5	3.1
CKSTH201210-2.2uH/M	2.2 \pm 20%	100.0	112.0	2.4	2.1	2.2	1.9
CKSTH201210-3.3uH/M	3.3 \pm 20%	245.0	280.0	1.8	1.5	1.6	1.3
CKSTH201210-4.7uH/M	4.7 \pm 20%	300.0	330.0	1.5	1.3	1.2	1.0

CKSTH201212

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current I _{rms} (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH201212-0.11H/N	0.11 \pm 30%	5.0	5.8	11.5	11.0	10.0	9.5
CKSTH201212-0.24uH/M	0.24 \pm 20%	13.0	17.0	9.0	8.5	7.5	7.0
CKSTH201212-0.47uH/M	0.47 \pm 20%	22.0	23.5	5.5	5.0	5.0	4.5

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Test Condition: 1MHz, 1V_{rms}

3. Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current;
Typ. Value, DC current at which the inductance drops 30% from its value without current.

4. I_{rms}: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.

5. Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)

6. Absolute maximum voltage: DC 25V

CKSTH2016065

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current I _{rms} (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH2016065-0.47uH/M	0.47 \pm 20%	39.0	47.0	4.4	4.0	3.8	3.4
CKSTH2016065-2.2uH/M	2.2 \pm 20%	152.0	183.0	2.2	2.0	1.7	1.5

CKSTH201608

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current I _{rms} (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH201608-0.24uH/M	0.24 \pm 20%	16.5	20.0	7.2	6.5	5.7	5.2
CKSTH201608-0.47uH/M	0.47 \pm 20%	20.0	24.0	5.5	5.0	4.9	4.5
CKSTH201608-1uH/M	1.0 \pm 20%	41.0	52.0	4.3	3.9	4.0	3.6
CKSTH201608-1.5uH/M	1.5 \pm 20%	82.0	100.0	3.3	2.8	1.9	1.6
CKSTH201608-2.2uH/M	2.2 \pm 20%	84.0	100.0	2.9	2.7	2.4	2.1
CKSTH201608-4.7uH/M	4.7 \pm 20%	238.0	286.0	1.6	1.4	1.7	1.4

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Test Condition: 1MHz, 1V_{rms}

3. Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current;
 Typ. Value, DC current at which the inductance drops 30% from its value without current.

4. I_{rms}: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.

5. Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)

6. Absolute maximum voltage: DC 25V

CKSTH201610

PART NUMBER 型号	INDUCTANCE 电感量 (μH)	DCR (m Ω) @25 $^{\circ}\text{C}$ 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current Irms (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH201610-0.1uH/N	0.1 \pm 30%	7.0	9.0	12.0	10.0	9.0	8.0
CKSTH201610-0.15uH/M	0.15 \pm 20%	8.5	10.0	10.0	9.0	7.6	7.0
CKSTH201610-0.24uH/M	0.24 \pm 20%	11.0	15.0	7.8	7.0	7.2	6.6
CKSTH201610-0.33uH/M	0.33 \pm 20%	17.0	20.0	7.0	6.5	6.5	6.0
CKSTH201610-0.47uH/M	0.47 \pm 20%	16.0	20.0	7.0	6.0	6.2	5.7
CKSTH201610-0.68uH/M	0.68 \pm 20%	24.0	31.0	5.2	4.7	5.0	4.5
CKSTH201610-1uH/M	1.0 \pm 20%	27.0	36.0	4.8	4.2	4.8	4.3
CKSTH201610-1.5uH/M	1.5 \pm 20%	50.0	60.0	3.5	3.0	3.2	2.8
CKSTH201610-2.2uH/M	2.2 \pm 20%	73.0	87.0	3.0	2.6	2.8	2.5
CKSTH201610-3.3uH/M	3.3 \pm 20%	140.0	170.0	2.3	2.0	1.7	1.5
CKSTH201610-4.7uH/M	4.7 \pm 20%	190.0	220.0	2.0	1.8	1.6	1.4
CKSTH201610-6.8uH/M	6.8 \pm 20%	400.0	460.0	1.5	1.2	1.1	0.8
CKSTH201610-10uH/M	10 \pm 20%	510.0	580.0	1.4	1.1	1.0	0.7

CKSTH201612

PART NUMBER 型号	INDUCTANCE 电感量 (μH)	DCR (m Ω) @25 $^{\circ}\text{C}$ 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current Irms (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH201612-0.24uH/M	0.24 \pm 20%	9.0	11.0	9.2	8.7	9.1	8.6
CKSTH201612-0.47uH/M	0.47 \pm 20%	16.0	19.0	6.6	6.0	5.6	5.1
CKSTH201612-1uH/M	1.0 \pm 20%	43.0	49.0	4.3	4.0	4.0	3.4
CKSTH201612-2.2uH/M	2.2 \pm 20%	65.0	74.0	3.3	2.8	3.1	2.8
CKSTH201612-3.3uH/M	3.3 \pm 20%	121.0	145.0	2.7	2.3	2.4	2.0
CKSTH201612-6.8uH/M	6.8 \pm 20%	230.0	275.0	1.5	1.3	1.4	1.2

Remark: 1. All test data is reference to 25 $^{\circ}\text{C}$ ambient.

2. Test Condition: 1MHz, 1Vrms

3. Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current;
Typ. Value, DC current at which the inductance drops 30% from its value without current.

4. Irms: For Max. Value, $\Delta\text{T} < 40^{\circ}\text{C}$; for Typ. Value, ΔT is approximate 40 $^{\circ}\text{C}$.

5. Operat between temperature range -40 $^{\circ}\text{C}$ to +125 $^{\circ}\text{C}$ (Including self - temperature rise)

6. Absolute maximum voltage: DC 25V

CKSTH252008

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current Irms (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH252008-0.47uH/M	0.47 \pm 20%	20.0	24.0	6.7	6.0	4.7	4.2
CKSTH252008-1uH/M	1.0 \pm 20%	34.0	40.0	4.0	3.6	4.0	3.6
CKSTH252008-2.2uH/M	2.2 \pm 20%	62.0	74.0	3.0	2.7	2.7	2.4
CKSTH252008-4.7uH/M	4.7 \pm 20%	150.0	180.0	2.3	1.8	2.0	1.8
CKSTH252008-10uH/M	10 \pm 20%	500.0	575.0	1.8	1.4	1.1	1.0

CKSTH252010

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current Irms (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH252010-0.1uH/N	0.1 \pm 30%	7.0	9.0	14.0	12.0	10.0	9.0
CKSTH252010-0.24uH/M	0.24 \pm 20%	10.0	12.0	9.0	8.5	7.2	6.7
CKSTH252010-0.33uH/M	0.33 \pm 20%	11.0	13.0	7.6	7.2	6.9	6.6
CKSTH252010-0.47uH/M	0.47 \pm 20%	13.0	16.0	7.7	7.0	6.5	6.0
CKSTH252010-0.68uH/M	0.68 \pm 20%	20.0	24.0	6.2	5.7	5.8	5.2
CKSTH252010-1uH/M	1.0 \pm 20%	25.0	30.0	5.5	5.0	5.5	5.0
CKSTH252010-1.5uH/M	1.5 \pm 20%	35.0	42.0	4.3	3.9	4.0	3.6
CKSTH252010-2.2uH/M	2.2 \pm 20%	52.0	60.0	3.4	3.0	3.1	2.8
CKSTH252010-3.3uH/M	3.3 \pm 20%	86.0	100.0	2.8	2.5	2.5	2.2
CKSTH252010-4.7uH/M	4.7 \pm 20%	114.0	136.0	2.6	2.1	2.3	2.0
CKSTH252010-6.8uH/M	6.8 \pm 20%	238.0	274.0	2.1	1.8	1.7	1.4
CKSTH252010-10uH/M	10 \pm 20%	388.0	450.0	1.6	1.4	1.45	1.25
CKSTH252010L-10uH/M	10 \pm 20%	353.0	400.0	1.5	1.3	1.45	1.25

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Test Condition: 1MHz, 1Vrms

3. Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current;
 Typ. Value, DC current at which the inductance drops 30% from its value without current.

4. Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.

5. Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)

6. Absolute maximum voltage: DC 25V

CKSTH252012

PART NUMBER 型号	INDUCTANCE 电感量 (μ H)	DCR (m Ω) @25 $^{\circ}$ C 直流电阻		Saturation Current Isat (A) 饱和电流		Heat Rating Current I _{rms} (A) 温升电流	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CKSTH252012-0.24uH/M	0.24 \pm 20%	10.0	12.0	10.0	9.5	7.0	6.4
CKSTH252012-0.33uH/M	0.33 \pm 20%	10.0	12.0	8.0	7.5	7.0	6.4
CKSTPH252012-0.33uH/M	0.33 \pm 20%	10.0	12.0	10.0	9.0	7.0	6.4
CKSTH252012-0.47uH/M	0.47 \pm 20%	11.0	13.0	7.4	6.8	6.7	6.0
CKSTH252012-0.68uH/M	0.68 \pm 20%	15.0	19.0	6.5	6.0	6.1	5.6
CKSTH252012-0.82uH/M	0.82 \pm 20%	22.0	26.0	6.0	5.5	5.5	5.0
CKSTH252012-1uH/M	1.0 \pm 20%	25.0	28.0	5.8	5.3	5.7	5.2
CKSTH252012-1.5uH/M	1.5 \pm 20%	40.0	44.0	4.8	4.2	5.0	4.5
CKSTH252012-2.2uH/M	2.2 \pm 20%	50.0	60.0	4.0	3.3	3.7	3.3
CKSTH252012H-2.2uH/M	2.2 \pm 20%	72.0	84.0	4.7	4.2	3.2	2.9
CKSTH252012-3.3uH/M	3.3 \pm 20%	80.0	97.0	3.0	2.7	2.8	2.5
CKSTH252012-4.7uH/M	4.7 \pm 20%	110.0	128.0	2.6	2.1	2.5	2.0
CKSTH252012-6.8uH/M	6.8 \pm 20%	210.0	245.0	2.2	1.9	2.0	1.6
CKSTH252012-10uH/M	10 \pm 20%	310.0	350.0	1.7	1.5	1.5	1.3

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Test Condition: 1MHz, 1V_{rms}

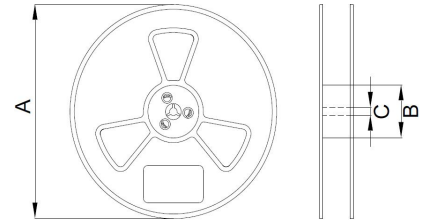
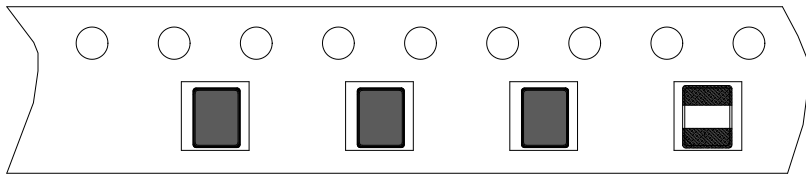
3. Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current;
 Typ. Value, DC current at which the inductance drops 30% from its value without current.

4. I_{rms}: For Max. Value, $\Delta T < 40^{\circ}C$; for Typ. Value, ΔT is approximate 40 $^{\circ}C$.

5. Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)

6. Absolute maximum voltage: DC 25V

● **PACKAGING SPECIFICATION 包装规格**



TYPE(型号)	Reel Dimension 卷盘尺寸 (mm)			Quantity (Pcs/Reel) 数量 (个/卷)
	A	B	C	
CKSTH1412065	178	58	13	3000
CKSTH141208	178	58	13	3000
CKSTH1608065	178	58	13	3000
CKSTH160808	178	58	13	3000
CKSTH160810	178	58	13	3000
CKSTH2012065	178	58	13	3000
CKSTH201208	178	58	13	3000
CKSTH201210	178	58	13	3000
CKSTH2016065	178	58	13	3000
CKSTH201608	178	58	13	3000
CKSTH201610	178	58	13	3000
CKSTH252010	178	58	13	3000
CKSTH252012	178	58	13	3000