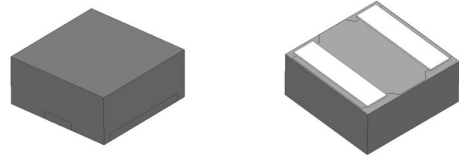


SMD MOLDING POWER INDUCTOR



● FEATURES 特性

1.磁屏蔽结构,T core 工艺,闭合磁路,抗电磁干扰强.

Magnetic shielding structure, T core process, closed magnetic circuit, strong anti-electromagnetic interference

2.低直流电阻和损耗.

Low DCR with low loss

3.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 .

It maintains excellent temperature rise current and saturation current characteristics in high-frequency and high-temperature environments.

● PART NUMBERING SYSTEM 品名系统

CKSTW(H) 0603S - 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%)

● EXTERNAL DIMENSIONS 外形尺寸 (Unit:mm)

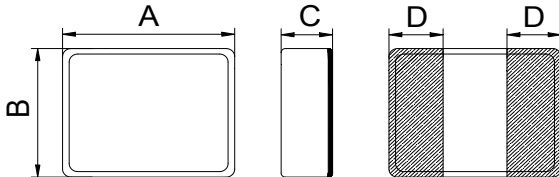


Fig 1

TYPE(型号)	A	B	C	D	Fig
CKSTT0415	4.0±0.3	4.0±0.3	1.5 Max	1.1±0.3	1
CKSTT0402	4.0±0.3	4.0±0.3	2.1 Max	1.1±0.3	1
CKSTT0403	4.0±0.3	4.0±0.3	3.1 Max.	1.1±0.3	1
CKSTTH0404	4.0±0.3	4.0±0.3	4.1 Max.	1.1±0.3	1
CKSTT0502	5.28±0.3	5.48±0.3	2.1 Max	1.7±0.3	1
CKSTT0503	5.28±0.3	5.48±0.3	3.1 Max.	1.7±0.3	1
CKSTTH0505	5.28±0.3	5.48±0.3	5.1 Max.	1.7±0.3	1
CKSTTH0603	6.4±0.3	6.6±0.3	3.1 Max.	2.1±0.3	1
CKSTTH0606	6.4±0.3	6.6±0.3	6.1 Max.	2.1±0.3	1
CKSTT0615	6.4±0.3	6.6±0.3	1.5 Max	2.1±0.3	1

● **EXTERNAL DIMENSIONS 外形尺寸 (Unit:mm)**

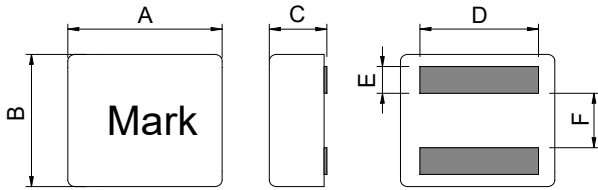
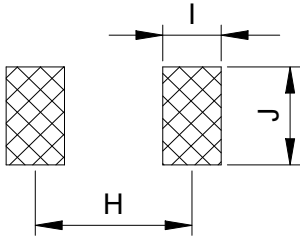


Fig 2

TYPE(型号)	A	B	C	D	E	F	Fig
CKSTW0402S	4.0±0.3	4.0±0.3	2.1 Max.	3.25 Typ.	0.85±0.2	1.57±0.3	2
CKSTW0403S	4.0±0.3	4.0±0.3	3.1 Max.	3.25 Typ.	0.85±0.2	1.57±0.3	2
CKSTWH0404S	4.0±0.3	4.0±0.3	4.1 Max.	3.25 Typ.	0.85±0.2	1.57±0.3	2
CKSTW0502S	5.48±0.3	5.28±0.3	2.1 Max.	4.2 Typ.	1.0±0.2	2.3±0.3	2
CKSTW0503S	5.48±0.3	5.28±0.3	3.1 Max.	4.2 Typ.	1.0±0.2	2.3±0.3	2
CKSTW0603S	6.6±0.3	6.4±0.3	3.1 Max.	5.0 Typ.	1.25±0.2	2.8±0.3	2
CKSTWH0603S	6.6±0.3	6.4±0.3	3.1 Max.	5.0 Typ.	1.25±0.2	2.8±0.3	2
CKSTWH0606S	6.6±0.3	6.4±0.3	6.1 Max.	5.0 Typ.	1.25±0.2	2.8±0.3	2
CKSTWH0805S	8.6±0.3	8.1±0.3	5.0 Max.	6.5 Typ.	1.6±0.2	3.56±0.3	2
CKSTWH0806S	8.6±0.3	8.1±0.3	6.0 Max.	6.5 Typ.	1.6±0.2	3.56±0.3	2
CKSTWH0807S	8.6±0.3	8.1±0.3	7.0 Max.	6.5 Typ.	1.6±0.2	3.56±0.3	2
CKSTWH0808S	8.6±0.3	8.1±0.3	8.0 Max.	6.5 Typ.	1.6±0.2	3.56±0.3	2
CKSTW1003S	11.3±0.5	10.0±0.5	3.0 Max.	8.0 Typ.	2.2±0.2	4.45±0.3	2
CKSTW1004S	11.3±0.5	10.0±0.5	4.0 Max.	8.0 Typ.	2.2±0.2	4.45±0.3	2
CKSTW1006S	11.3±0.5	10.0±0.5	6.0 Max.	8.0 Typ.	2.2±0.2	4.45±0.3	2
CKSTWH1006S	11.3±0.5	10.0±0.5	6.0 Max.	8.0 Typ.	2.2±0.2	4.45±0.3	2
CKSTWH1007S	11.3±0.5	10.0±0.5	7.0 Max.	8.0 Typ.	2.2±0.2	4.45±0.3	2
CKSTWH1008S	11.3±0.5	10.0±0.5	8.0 Max.	8.0 Typ.	2.2±0.2	4.45±0.3	2
CKSTWH1010S	11.3±0.5	10.0±0.5	10.0 Max.	8.0 Typ.	2.2±0.2	4.45±0.3	2
CKSTWH1507S	16.2±0.3	15.2±0.3	7.0 Max.	12.5 Typ.	3.0±0.3	7.6±0.3	2
CKSTWH1508S	16.2±0.3	15.2±0.3	8.0 Max.	12.5 Typ.	3.0±0.3	7.6±0.3	2
CKSTWH1510S	16.2±0.3	15.2±0.3	10.0 Max.	12.5 Typ.	3.0±0.3	7.6±0.3	2
CKSTWH1513S	16.2±0.3	15.2±0.3	13.0 Max.	12.5 Typ.	3.0±0.3	7.6±0.3	2

● **RECOMMENDED PATTERNS**



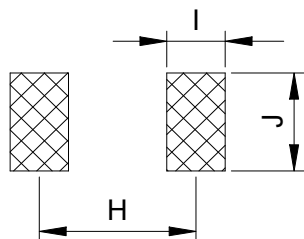
CKSTT Series

TYPE(型号)	H	I	J
CKSTT0415	3.0	1.5	4.5
CKSTT0402	3.0	1.5	4.5
CKSTT0403	3.0	1.5	4.5
CKSTTH0404	3.0	1.5	4.5
CKSTT0502	3.8	2.2	5.8
CKSTT0503	3.8	2.2	5.8
CKSTTH0505	3.8	2.2	5.8
CKSTTH0603	4.5	2.5	7.0
CKSTTH0606	4.5	2.5	7.0
CKSTT0615	4.5	2.5	7.0

CKSTW Series

TYPE(型号)	H	I	J
CKSTW0402S	2.37	1.1	3.8
CKSTW0403S	2.37	1.1	3.8
CKSTWH0404S	2.37	1.1	3.8
CKSTW0502S	3.3	1.3	4.7
CKSTW0503S	3.3	1.3	4.7
CKSTW0603S	4.05	1.55	5.5
CKSTWH0603S	4.05	1.55	5.5
CKSTWH0606S	4.05	1.55	5.5

● **RECOMMENDED PATTERNS**



CKSTW Series

TYPE(型号)	H	I	J
CKSTWH0805S	5.2	2.0	7.0
CKSTWH0806S	5.2	2.0	7.0
CKSTWH0807S	5.2	2.0	7.0
CKSTWH0808S	5.2	2.0	7.0
CKSTW1003S	6.65	2.6	9.0
CKSTW1004S	6.65	2.6	9.0
CKSTW1006S	6.65	2.6	9.0
CKSTWH1006S	6.65	2.6	9.0
CKSTWH1007S	6.65	2.6	9.0
CKSTWH1008S	6.65	2.6	9.0
CKSTWH1010S	6.65	2.6	9.0
CKSTWH1507S	10.6	3.5	13.2
CKSTWH1508S	10.6	3.5	13.2
CKSTWH1510S	10.6	3.5	13.2
CKSTWH1513S	10.6	3.5	13.2



● SPECIFICATION TABLE:

CKSTT0415 Series

PART NUMBER	INDUCTANCE (μH)	DCR (mΩ) @25°C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTT0415-0.33uH/M	0.33±20%	4.50	5.50	18.0	16.0
CKSTT0415-0.47uH/M	0.47±20%	5.50	6.60	14.1	14.0
CKSTT0415-1uH/M	1.0±20%	15.00	17.20	9.0	9.0
CKSTT0415-1.5uH/M	1.5±20%	19.00	22.80	7.5	7.3
CKSTT0415-2.2uH/M	2.2±20%	27.00	33.00	6.0	6.4
CKSTT0415-4.7uH/M	4.7±20%	69.00	83.00	3.6	4.3
CKSTT0415-6.8uH/M	6.8±20%	80.00	96.00	3.6	3.6
CKSTT0415-10uH/M	10±20%	102.00	124.00	3.0	2.2

CKSTW0402S Series

PART NUMBER	INDUCTANCE (μH)	DCR (mΩ) @25°C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTW0402S-0.22uH/M	0.22±20%	2.30	2.70	24.0	24.0
CKSTW0402S-0.33uH/M	0.33±20%	3.00	3.30	21.0	23.0
CKSTW0402S-0.4uH/M	0.4±20%	4.00	4.60	14.0	20.1
CKSTW0402S-0.47uH/M	0.47±20%	4.80	5.80	15.0	17.0
CKSTW0402S-0.6uH/M	0.6±20%	6.80	7.50	13.0	14.1
CKSTW0402S-1uH/M	1.0±20%	10.00	11.00	9.7	10.5
CKSTW0402S-1.2uH/M	1.2±20%	11.20	13.50	9.0	9.7
CKSTW0402S-1.5uH/M	1.5±20%	20.30	23.30	8.0	8.7
CKSTW0402S-2.2uH/M	2.2±20%	22.50	25.80	8.0	8.0
CKSTW0402S-3.3uH/M	3.3±20%	34.20	38.30	6.0	5.5
CKSTW0402S-4.7uH/M	4.7±20%	47.20	54.20	4.8	5.2

Remark: ● All test data is reference to 25°C ambient.

- Test Condition: CKSTT Series Tested at 1MHz,1Vrms, CKSTW Series Tested at 1MHz,0.1Vrms
- 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.
- Irms: For Max. Value, ΔT<40°C; for Typ. Value, ΔT is approximate 40°C.
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 30V



CKSTT0402 Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTT0402-0.47uH/M	0.47 \pm 20%	4.00	4.80	17.2	20.1
CKSTT0402-0.6uH/M	0.6 \pm 20%	4.90	5.70	12.0	18.5
CKSTT0402-0.68uH/M	0.68 \pm 20%	5.90	6.80	15.0	16.7
CKSTT0402-1uH/M	1 \pm 20%	7.50	8.50	11.0	12.4
CKSTT0402-1.5uH/M	1.5 \pm 20%	13.00	14.30	10.0	11.1
CKSTT0402-2.2uH/M	2.2 \pm 20%	18.10	20.00	7.5	9.0
CKSTT0402-3.3uH/M	3.3 \pm 20%	28.60	31.50	7.0	7.3
CKSTT0402-4.7uH/M	4.7 \pm 20%	43.00	47.30	6.0	5.6
CKSTT0402-5.6uH/M	5.6 \pm 20%	45.00	49.50	5.0	5.3
CKSTT0402-6.8uH/M	6.8 \pm 20%	74.40	85.00	5.0	4.0
CKSTT0402L-6.8uH/M	6.8 \pm 20%	63.60	70.00	4.5	4.2
CKSTT0402-8.2uH/M	8.2 \pm 20%	71.00	78.10	4.0	4.1
CKSTTH0402-8.2uH/M	8.2 \pm 20%	67.00	73.00	4.0	4.1
CKSTT0402-10uH/M	10 \pm 20%	100.00	115.00	4.0	2.7
CKSTT0402-15uH/M	15 \pm 20%	170.00	200.00	2.4	2.0

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

- Test Condition: 1MHz, 1Vrms
- 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.
- Irms: For Max. Value, Δ T<40 $^{\circ}$ C; for Typ. Value, Δ T is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)
- Absolute maximum voltage: DC 30V



CKSTW0403S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH0403S-0.1uH/M	0.1 \pm 20%	1.50	1.80	26.5	27.0
CKSTW0403S-0.3uH/M	0.3 \pm 20%	2.50	2.90	19.0	24.0
CKSTW0403S-0.4uH/M	0.4 \pm 20%	2.80	3.20	15.8	22.5
CKSTW0403S-0.47uH/M	0.47 \pm 20%	3.40	3.90	14.2	21.2
CKSTW0403S-0.62uH/M	0.62 \pm 20%	4.10	4.60	20.0	15.0
CKSTW0403S-1uH/M	1 \pm 20%	8.00	9.00	12.0	11.0
CKSTW0403S-1.5uH/M	1.5 \pm 20%	14.00	15.40	10.0	8.6
CKSTW0403S-2.2uH/M	2.2 \pm 20%	20.10	22.10	8.0	7.8
CKSTW0403S-3.3uH/M	3.3 \pm 20%	25.00	27.50	7.0	6.6
CKSTW0403S-4.7uH/M	4.7 \pm 20%	36.00	39.60	6.0	5.3

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

- Test Condition: 1MHz, 0.1Vrms
- 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.
- Irms: For Max. Value, Δ T<40 $^{\circ}$ C; for Typ. Value, Δ T is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)
- Absolute maximum voltage: DC 30V

CKSTT0403 Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTT0403-1uH/M	1.0 \pm 20%	6.50	7.20	14.0	13.0
CKSTT0403-1.2uH/M	1.2 \pm 20%	7.90	9.00	14.0	12.3
CKSTT0403-1.5uH/M	1.5 \pm 20%	8.50	9.40	10.5	12.2
CKSTT0403-2.2uH/M	2.2 \pm 20%	13.50	15.00	10.0	8.7
CKSTT0403-3.3uH/M	3.3 \pm 20%	22.30	24.60	7.0	7.3
CKSTT0403L-3.3uH/M	3.3 \pm 20%	18.00	20.70	7.0	7.7
CKSTT0403-4.7uH/M	4.7 \pm 20%	35.20	38.80	6.0	5.5
CKSTT0403L-4.7uH/M	4.7 \pm 20%	26.70	30.70	6.7	6.7
CKSTT0403-5.6uH/M	5.6 \pm 20%	31.50	34.70	6.0	5.5
CKSTT0403-6.8uH/M	6.8 \pm 20%	43.50	47.90	5.5	4.7
CKSTT0403-8.2uH/M	8.2 \pm 20%	45.60	52.50	4.5	4.4
CKSTT0403-10uH/M	10 \pm 20%	63.00	69.50	5.0	3.9
CKSTT0403-12uH/M	12 \pm 20%	78.50	86.50	4.5	3.4

CKSTWH0404S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH0404S-0.15uH/M	0.15 \pm 20%	1.50	1.80	27.0	30.2
CKSTWH0404S-0.3uH/M	0.3 \pm 20%	2.20	2.60	15.3	24.6
CKSTWH0404S-0.47uH/M	0.47 \pm 20%	2.80	3.20	14.6	20.8
CKSTWH0404S-1uH/M	1 \pm 20%	5.40	5.90	11.0	14.0

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

- Test Condition: CKSTT Series Tested at 1MHz,1Vrms, CKSTW Series Tested at 1MHz,0.1Vrms
- 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.
- Irms: For Max. Value, Δ T<40 $^{\circ}$ C; for Typ. Value, Δ T is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)
- Absolute maximum voltage: DC 30V



CKSTTH0404 Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTTH0404-1.5uH/M	1.5 \pm 20%	6.80	7.90	7.9	12.5
CKSTTH0404-2.2uH/M	2.2 \pm 20%	10.10	11.50	7.0	11.0
CKSTTH0404-3.3uH/M	3.3 \pm 20%	15.00	16.60	5.8	8.7
CKSTTH0404-4.7uH/M	4.7 \pm 20%	22.20	24.50	4.8	7.1
CKSTTH0404-6.8uH/M	6.8 \pm 20%	31.50	34.70	4.3	5.6
CKSTTH0404-8.2uH/M	8.2 \pm 20%	37.40	41.20	4.0	5.4
CKSTTH0404-10uH/M	10 \pm 20%	56.00	67.20	4.0	4.7
CKSTTH0404L-10uH/M	10 \pm 20%	45.80	50.50	5.5	5.0
CKSTTH0404-15uH/M	15 \pm 20%	74.50	82.20	4.0	3.6
CKSTTH0404-22uH/M	22 \pm 20%	104.00	114.70	1.9	3.3

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

- Test Condition: 1MHz, 1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)
- Absolute maximum voltage: DC 30V



CKSTW0502S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTW0502S-0.1uH/N	0.1 \pm 30%	1.15	1.30	40.0	33.0
CKSTW0502S-0.16uH/M	0.16 \pm 20%	1.60	1.90	29.0	30.0
CKSTW0502S-0.22uH/M	0.22 \pm 20%	2.20	2.50	28.0	25.0
CKSTW0502S-0.33uH/M	0.33 \pm 20%	2.70	3.20	24.0	24.4
CKSTW0502S-0.56uH/M	0.56 \pm 20%	4.50	5.40	19.0	18.7
CKSTW0502S-1.2uH/M	1.2 \pm 20%	9.40	11.30	12.0	13.0

CKSTT0502 Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTT0502-0.47uH/M	0.47 \pm 20%	3.70	4.30	18.0	22.1
CKSTT0502-0.68uH/M	0.68 \pm 20%	4.70	5.60	17.5	18.3
CKSTT0502-0.82uH/M	0.82 \pm 20%	4.70	5.60	12.3	18.3
CKSTT0502-1uH/M	1 \pm 20%	5.90	7.10	14.0	17.1
CKSTT0502-1.2uH/M	1.2 \pm 20%	5.90	7.10	11.2	17.1
CKSTT0502-1.5uH/M	1.5 \pm 20%	9.40	11.30	11.9	13.0
CKSTT0502-1.8uH/M	1.8 \pm 20%	9.40	11.30	8.3	13.0
CKSTT0502-2.2uH/M	2.2 \pm 20%	12.70	15.30	9.8	11.9
CKSTT0502-3.3uH/M	3.3 \pm 20%	18.80	22.60	6.5	10.4
CKSTT0502-4.7uH/M	4.7 \pm 20%	32.00	36.00	6.8	8.5
CKSTT0502-5.6uH/M	5.6 \pm 20%	33.50	40.20	4.9	8.0
CKSTT0502-6.8uH/M	6.8 \pm 20%	51.00	61.20	4.5	5.1
CKSTT0502-8.2uH/M	8.2 \pm 20%	56.10	67.40	4.1	4.8

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

- Test Condition: CKSTT Series Tested at 1MHz,1Vrms, CKSTW Series Tested at 1MHz,0.1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C (Including self - temperature rise)
- Absolute maximum voltage: DC 30V



CKSTW0503S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTW0503S-2.2uH/M	2.2 \pm 20%	12.40	14.00	11.0	9.7
CKSTW0503S-3.3uH/M	3.3 \pm 20%	21.20	23.30	10.0	8.1
CKSTW0503S-4.7uH/M	4.7 \pm 20%	27.00	31.00	8.0	7.1
CKSTW0503S-6.8uH/M	6.8 \pm 20%	40.90	47.00	7.0	6.3

CKSTT0503 Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTT0503-0.8uH/M	0.8 \pm 20%	3.80	4.60	18.6	21.1
CKSTT0503-0.9uH/M	0.9 \pm 20%	4.00	4.80	14.5	19.8
CKSTT0503-1uH/M	1 \pm 20%	4.80	5.80	17.0	17.8
CKSTT0503-1.2uH/M	1.2 \pm 20%	4.80	5.80	13.0	16.9
CKSTT0503-1.5uH/M	1.5 \pm 20%	6.80	7.90	16.0	15.4
CKSTT0503-1.8uH/M	1.8 \pm 20%	6.70	7.80	10.6	15.4
CKSTT0503-2.2uH/M	2.2 \pm 20%	9.20	10.60	11.0	12.9
CKSTT0503-3.3uH/M	3.3 \pm 20%	13.30	14.90	10.0	10.0
CKSTT0503-4.7uH/M	4.7 \pm 20%	17.30	20.80	7.0	8.8
CKSTT0503-5.6uH/M	5.6 \pm 20%	23.60	26.50	6.0	8.0
CKSTT0503-6.8uH/M	6.8 \pm 20%	27.30	30.60	7.0	7.4
CKSTT0503-8.2uH/M	8.2 \pm 20%	32.90	37.00	5.0	6.5
CKSTT0503-10uH/M	10 \pm 20%	37.60	42.40	5.5	6.2
CKSTT0503-12uH/M	12 \pm 20%	50.00	56.50	4.0	5.4
CKSTT0503-15uH/M	15 \pm 20%	68.80	77.10	4.5	4.5
CKSTT0503-18uH/M	18 \pm 20%	78.00	93.60	3.3	4.1
CKSTT0503-22uH/M	22 \pm 20%	106.00	118.80	3.0	3.6

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

- Test Condition: CKSTT Series Tested at 1MHz,1Vrms, CKSTW Series Tested at 1MHz,0.1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)
- Absolute maximum voltage: DC 30V



CKSTTH0505 Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH0505S-1.2uH/M	1.2 \pm 20%	3.80	4.60	15.4	20.2
CKSTTH0505-1.8uH/M	1.8 \pm 20%	6.50	7.80	11.4	15.3
CKSTTH0505-2.2uH/M	2.2 \pm 20%	6.80	8.20	10.9	13.8
CKSTTH0505-3.3uH/M	3.3 \pm 20%	10.00	11.50	9.0	11.3
CKSTTH0505-4.7uH/M	4.7 \pm 20%	13.40	15.60	8.5	9.7
CKSTTH0505-5.6uH/M	5.6 \pm 20%	16.60	18.30	7.3	8.1
CKSTTH0505-6.8uH/M	6.8 \pm 20%	20.20	22.30	7.0	7.6
CKSTTH0505-8.2uH/M	8.2 \pm 20%	22.60	25.00	6.8	7.2
CKSTTH0505-10uH/M	10 \pm 20%	30.00	33.00	5.5	6.2
CKSTTH0505-12uH/M	12 \pm 20%	34.60	38.10	5.4	5.3
CKSTTH0505-15uH/M	15 \pm 20%	45.30	50.00	6.0	4.7
CKSTTH0505-18uH/M	18 \pm 20%	56.50	62.50	3.7	4.5
CKSTTH0505-22uH/M	22 \pm 20%	72.10	79.50	3.8	4.0
CKSTTH0505-33uH/M	33 \pm 20%	107.00	118.00	2.5	3.2

CKSTT0615 Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTT0615-1uH/M	1.0 \pm 20%	9.50	11.00	12.0	10.0
CKSTTH0615-1uH/M	1.0 \pm 20%	9.50	11.00	12.0	11.0
CKSTT0615-2.2uH/M	2.2 \pm 20%	22.00	27.00	8.0	6.0
CKSTTH0615-3.3uH/M	3.3 \pm 20%	28.00	34.00	5.5	5.0
CKSTT0615-6.8uH/M	6.8 \pm 20%	70.00	84.00	4.5	4.0
CKSTT0615-10uH/M	10 \pm 20%	96.00	110.00	4.0	3.2

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

- Test Condition: CKSTT Series Tested at 1MHz,1Vrms, CKSTW Series Tested at 1MHz,0.1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C (Including self - temperature rise)
- Absolute maximum voltage: DC 30V



CKSTW0603S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH0603S-0.15uH/M	0.15 \pm 20%	1.00	1.20	50.0	35.0
CKSTWH0603S-0.22uH/M	0.22 \pm 20%	1.20	1.50	40.0	32.0
CKSTWH0603S-0.33uH/M	0.33 \pm 20%	1.70	2.00	30.0	29.0
CKSTW0603S-0.47uH/M	0.47 \pm 20%	2.20	2.70	35.0	25.0
CKSTWH0603S-0.56uH/M	0.56 \pm 20%	2.80	3.40	30.0	23.0
CKSTW0603S-0.68uH/M	0.68 \pm 20%	2.80	3.40	24.0	23.0
CKSTWH0603S-0.82uH/M	0.82 \pm 20%	3.40	4.00	22.0	21.0
CKSTW0603S-1uH/M	1.0 \pm 20%	4.20	4.90	23.0	18.1
CKSTW0603S-1.2uH/M	1.2 \pm 20%	5.20	5.80	22.0	16.5
CKSTWH0603S-1.2uH/M	1.2 \pm 20%	4.50	5.20	17.3	17.0
CKSTW0603S-1.5uH/M	1.5 \pm 20%	6.20	7.00	18.0	15.2
CKSTW0603S-1.8uH/M	1.8 \pm 20%	7.00	8.00	16.0	14.0
CKSTW0603S-2.2uH/M	2.2 \pm 20%	8.70	10.30	15.0	12.0
CKSTW0603S-3.3uH/M	3.3 \pm 20%	13.10	15.40	11.0	10.5
CKSTW0603S-4.7uH/M	4.7 \pm 20%	17.50	21.00	11.0	10.0
CKSTW0603S-5.6uH/M	5.6 \pm 20%	20.50	24.10	9.4	8.8
CKSTW0603S-6.8uH/M	6.8 \pm 20%	25.10	28.00	8.4	8.5
CKSTW0603S-8.2uH/M	8.2 \pm 20%	34.00	38.00	8.0	7.5
CKSTW0603S-10uH/M	10 \pm 20%	38.00	44.00	7.2	7.0
CKSTW0603S-12uH/M	12 \pm 20%	46.00	53.00	6.5	6.0
CKSTW0603S-15uH/M	15 \pm 20%	62.10	72.00	6.0	5.2
CKSTW0603S-18uH/M	18 \pm 20%	67.00	77.00	5.0	4.8
CKSTTH0603-22uH/M	22 \pm 20%	103.00	118.00	5.7	3.8

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

- Test Condition: 1MHz, 0.1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}C$; for Typ. Value, ΔT is approximate $40^{\circ}C$.
- Operat between temperature range $-40^{\circ}C$ to $+125^{\circ}C$ (Including self - temperature rise)
- Absolute maximum voltage: DC 30V



CKSTWH0606S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH0606S-0.22 μ H/M	0.22 \pm 20%	1.10	1.30	65.0	29.0
CKSTWH0606S-0.47 μ H/M	0.47 \pm 20%	1.50	1.80	38.0	26.0
CKSTWH0606S-0.68 μ H/M	0.68 \pm 20%	1.80	2.10	28.5	24.0
CKSTWH0606S-1 μ H/M	1.0 \pm 20%	2.20	2.50	23.0	22.0
CKSTWH0606S-1.2 μ H/M	1.2 \pm 20%	2.70	3.20	24.0	21.5
CKSTWH0606S-1.5 μ H/M	1.5 \pm 20%	3.30	3.80	22.0	20.2
CKSTWH0606S-1.8 μ H/M	1.8 \pm 20%	3.50	4.00	20.0	20.0
CKSTWH0606S-2.2 μ H/M	2.2 \pm 20%	3.90	4.50	17.0	17.2
CKSTWH0606S-3.3 μ H/M	3.3 \pm 20%	5.90	6.50	14.0	16.6
CKSTWH0606S-4.7 μ H/M	4.7 \pm 20%	9.10	10.10	13.0	13.5
CKSTWH0606S-5.6 μ H/M	5.6 \pm 20%	12.30	14.00	12.0	11.5
CKSTWH0606SL-5.6 μ H/M	5.6 \pm 20%	10.60	11.70	11.0	12.6
CKSTWH0606S-6.8 μ H/M	6.8 \pm 20%	12.50	14.00	9.2	11.5
CKSTWH0606S-8.2 μ H/M	8.2 \pm 20%	15.20	16.80	8.4	10.1
CKSTWH0606S-10 μ H/M	10 \pm 20%	17.50	19.40	8.6	9.3
CKSTWH0606S-12 μ H/M	12 \pm 20%	22.00	24.20	8.0	8.3
CKSTWH0606S-15 μ H/M	15 \pm 20%	28.20	31.10	6.5	7.4
CKSTWH0606S-18 μ H/M	18 \pm 20%	33.90	37.30	5.5	6.4
CKSTWH0606S-22 μ H/M	22 \pm 20%	54.00	59.00	6.0	5.0
CKSTWH0606SL-22 μ H/M	22 \pm 20%	42.60	46.90	5.1	5.8
CKSTTH0606-33 μ H/M	33 \pm 20%	63.10	69.50	4.6	4.9
CKSTTH0606-47 μ H/M	47 \pm 20%	97.00	107.00	4.0	3.7

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

- Test Condition: 1MHz, 0.1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}C$; for Typ. Value, ΔT is approximate 40 $^{\circ}C$.
- Operat between temperature range -40 $^{\circ}C$ to +125 $^{\circ}C$ (Including self - temperature rise)
- Absolute maximum voltage: DC 30V



CKSTWH0805S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH0805S-3.3uH/M	3.3 \pm 20%	6.60	7.90	25.0	16.3
CKSTWH0805S-22uH/M	22 \pm 20%	39.30	47.10	7.0	6.6

CKSTWH0806S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH0806S-4.7uH/M	4.7 \pm 20%	8.60	9.90	25.0	14.5
CKSTWH0806S-10uH/M	10 \pm 20%	16.30	18.00	14.0	10.0

CKSTWH0807S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH0807S-4.7uH/M	4.7 \pm 20%	7.50	9.00	18.0	16.0

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

- Test Condition: 1MHz, 0.1Vrms
- 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.
- Irms: For Max. Value, Δ T<40 $^{\circ}$ C; for Typ. Value, Δ T is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)
- Absolute maximum voltage: DC 60V



CKSTWH0808S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH0808S-1uH/M	1 \pm 20%	2.00	2.30	34.0	35.0
CKSTWH0808S-2.2uH/M	2.2 \pm 20%	3.80	4.40	25.2	22.5
CKSTWH0808S-4.7uH/M	4.7 \pm 20%	7.50	8.70	18.0	16.0
CKSTWH0808S-6.8uH/M	6.8 \pm 20%	9.10	10.90	18.0	13.6
CKSTWH0808S-10uH/M	10 \pm 20%	16.30	18.70	12.0	10.0
CKSTWH0808S-22uH/M	22 \pm 20%	30.40	35.00	7.0	8.0
CKSTWH0808S-47uH/M	47 \pm 20%	64.00	74.00	7.0	5.0

CKSTW1003S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTW1003S-0.16uH/M	0.16 \pm 20%	0.70	0.80	88.0	50.0
CKSTW1003S-0.33uH/M	0.33 \pm 20%	1.22	1.40	68.0	40.0
CKSTW1003S-0.56uH/M	0.56 \pm 20%	2.50	2.75	44.0	32.0
CKSTW1003S-1uH/M	1 \pm 20%	4.00	4.50	35.0	25.0
CKSTW1003S-2.2uH/M	2.2 \pm 20%	5.90	6.50	24.0	15.0

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

- Test Condition: 1MHz, 0.1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)
- Absolute maximum voltage: DC 60V



CKSTW1004S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTW1004S-0.47 μ H/M	0.47 \pm 20%	0.95	1.15	46.0	36.0
CKSTW1004S-0.68 μ H/M	0.68 \pm 20%	1.30	1.50	39.0	33.0
CKSTW1004S-1 μ H/M	1.0 \pm 20%	2.10	2.40	36.0	25.0
CKSTW1004S-1.5 μ H/M	1.5 \pm 20%	2.80	3.10	26.0	20.0
CKSTW1004S-2.2 μ H/M	2.2 \pm 20%	4.50	5.00	22.0	15.0
CKSTW1004S-3.3 μ H/M	3.3 \pm 20%	7.50	8.30	16.2	13.0
CKSTW1004S-4.7 μ H/M	4.7 \pm 20%	9.50	10.50	15.2	12.0
CKSTW1004S-5.6 μ H/M	5.6 \pm 20%	13.50	14.90	14.1	11.0
CKSTW1004S-6.8 μ H/M	6.8 \pm 20%	15.00	16.50	12.0	10.0
CKSTW1004S-8.2 μ H/M	8.2 \pm 20%	16.70	18.40	11.0	9.5
CKSTW1004S-10 μ H/M	10 \pm 20%	17.80	19.60	10.0	9.0

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

- Test Condition: 1MHz, 0.1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C(Including self - temperature rise)
- Absolute maximum voltage: DC 60V



CKSTW1006S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTW1006S-1uH/M	1.0 \pm 20%	1.60	1.90	50.0	30.0
CKSTW1006S-1.2uH/M	1.2 \pm 20%	2.00	2.20	49.0	29.0
CKSTW1006S-1.5uH/M	1.5 \pm 20%	2.00	2.20	42.0	29.0
CKSTW1006S-2.2uH/M	2.2 \pm 20%	3.50	4.00	32.0	24.0
CKSTW1006S-3.3uH/M	3.3 \pm 20%	4.90	5.60	26.0	19.0
CKSTW1006S-4.7uH/M	4.7 \pm 20%	6.30	7.30	25.0	17.2
CKSTW1006S-6.8uH/M	6.8 \pm 20%	7.80	9.00	18.0	13.0

CKSTWH1006S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH1006S-1uH/M	1.0 \pm 20%	1.60	1.90	50.0	39.9
CKSTWH1006S-1.2uH/M	1.2 \pm 20%	2.00	2.20	49.0	32.0
CKSTWH1006S-1.5uH/M	1.5 \pm 20%	2.00	2.20	42.0	32.0
CKSTWH1006S-2.2uH/M	2.2 \pm 20%	3.50	4.00	32.0	25.5
CKSTWH1006S-3.3uH/M	3.3 \pm 20%	4.90	5.60	26.0	22.0
CKSTWH1006S-4.7uH/M	4.7 \pm 20%	6.30	7.30	25.0	19.0
CKSTWH1006S-5.6uH/M	5.6 \pm 20%	6.70	7.70	21.0	17.4
CKSTWH1006S-6.8uH/M	6.8 \pm 20%	7.80	9.00	18.4	15.9
CKSTWH1006S-8.2uH/M	8.2 \pm 20%	11.20	12.50	16.9	14.4
CKSTWH1006S-10uH/M	10 \pm 20%	13.00	15.00	16.5	13.0

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

- Test Condition: 1MHz, 0.1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C (Including self - temperature rise)
- Absolute maximum voltage: DC 60V



CKSTWH1007S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH1007S-2.2uH/M	2.2 \pm 20%	3.20	3.70	36.0	26.0
CKSTWH1007S-3.3uH/M	3.3 \pm 20%	4.00	4.50	33.0	25.0
CKSTWH1007S-4.7uH/M	4.7 \pm 20%	5.40	6.20	23.0	19.0
CKSTWH1007S-10uH/M	10 \pm 20%	13.20	15.00	16.0	12.0

CKSTWH1008S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH1008S-3.3uH/M	3.3 \pm 20%	3.20	3.70	34.0	26.0
CKSTWH1008S-4.7uH/M	4.7 \pm 20%	4.00	4.60	28.5	24.7
CKSTWH1008S-5.6uH/M	5.6 \pm 20%	5.20	5.90	24.0	24.0
CKSTWH1008S-6.8uH/M	6.8 \pm 20%	6.20	7.00	22.0	21.2
CKSTWH1008S-22uH/M	22 \pm 20%	23.00	26.50	12.0	11.0

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

- Test Condition: 1MHz, 0.1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C (Including self - temperature rise)
- Absolute maximum voltage: DC 60V



CKSTWH1010S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH1010S-0.22 μ H/M	0.22 \pm 20%	0.45	0.50	100.0	55.5
CKSTWH1010S-0.68 μ H/M	0.68 \pm 20%	0.82	0.91	63.0	48.0
CKSTWH1010S-1 μ H/M	1.0 \pm 20%	1.30	1.50	55.0	42.0
CKSTWH1010SL-1 μ H/M	1.0 \pm 20%	1.00	1.10	55.0	43.5
CKSTWH1010S-1.5 μ H/M	1.5 \pm 20%	1.50	1.70	47.0	40.7
CKSTWH1010S-2.2 μ H/M	2.2 \pm 20%	2.45	2.70	38.0	33.0
CKSTWH1010SL-2.2 μ H/M	2.2 \pm 20%	2.10	2.50	38.0	34.0
CKSTWH1010S-3.3 μ H/M	3.3 \pm 20%	3.10	3.40	34.0	28.0
CKSTWH1010S-4.7 μ H/M	4.7 \pm 20%	4.10	4.50	27.0	26.0
CKSTWH1010S-5.6 μ H/M	5.6 \pm 20%	5.20	5.90	24.0	24.0
CKSTWH1010S-6.8 μ H/M	6.8 \pm 20%	7.10	8.00	23.0	20.0
CKSTWH1010SL-6.8 μ H/M	6.8 \pm 20%	6.20	7.00	22.0	21.2
CKSTWH1010S-8.2 μ H/M	8.2 \pm 20%	9.00	10.50	19.0	18.3
CKSTWH1010SL-8.2 μ H/M	8.2 \pm 20%	7.60	8.70	20.0	18.7
CKSTWH1010S-10 μ H/M	10 \pm 20%	10.50	12.60	18.0	17.1
CKSTWH1010SL-10 μ H/M	10 \pm 20%	8.70	9.70	20.0	18.2
CKSTWH1010S-15 μ H/M	15 \pm 20%	16.00	18.00	15.5	13.8
CKSTWH1010SL-15 μ H/M	15 \pm 20%	13.60	15.20	18.0	15.4
CKSTWH1010S-22 μ H/M	22 \pm 20%	19.60	22.00	14.0	13.2
CKSTWH1010S-33 μ H/M	33 \pm 20%	33.00	40.00	9.0	8.0

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

- Test Condition: 1MHz, 0.1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C (Including self - temperature rise)
- Absolute maximum voltage: DC 60V



CKSTWH1507S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH1507S-5.3uH/M	5.3 \pm 20%	4.20	4.80	34.0	27.0
CKSTWH1507S-8.2uH/M	8.2 \pm 20%	6.70	7.40	26.5	20.0
CKSTWH1507S-10uH/M	10 \pm 20%	8.00	9.00	23.5	16.0

CKSTWH1508S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH1508S-1.8uH/M	1.8 \pm 20%	1.61	1.93	57.0	43.8
CKSTWH1508S-2.2uH/M	2.2 \pm 20%	1.60	1.90	58.0	43.8
CKSTWH1508S-3uH/M	3 \pm 20%	2.20	2.60	50.0	37.6
CKSTWH1508S-4.5uH/M	4.5 \pm 20%	3.44	4.13	37.2	28.2
CKSTWH1508S-5.3uH/M	5.3 \pm 20%	3.80	4.40	41.0	28.0
CKSTWH1508S-6.1uH/M	6.1 \pm 20%	5.40	6.50	40.0	23.1

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

- Test Condition: 1MHz, 0.1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C (Including self - temperature rise)
- Absolute maximum voltage: DC 60V



CKSTWH1510S Series

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH1510S-4.7uH/M	4.7 \pm 20%	2.80	3.20	41.0	32.0
CKSTWH1510S-6.8uH/M	6.8 \pm 20%	3.80	4.30	36.0	27.0
CKSTWH1510S-8.2uH/M	8.2 \pm 20%	4.70	5.60	31.0	25.0
CKSTWH1510S-10uH/M	10 \pm 20%	6.00	7.00	33.0	23.3
CKSTWH1510S-15uH/M	15 \pm 20%	9.00	10.50	30.0	18.0
CKSTWH1510S-22uH/M	22 \pm 20%	12.00	14.00	19.0	15.0
CKSTWH1510S-33uH/M	33 \pm 20%	16.80	18.70	17.9	12.6

CKSTWH1513S Series

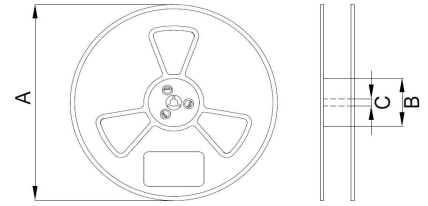
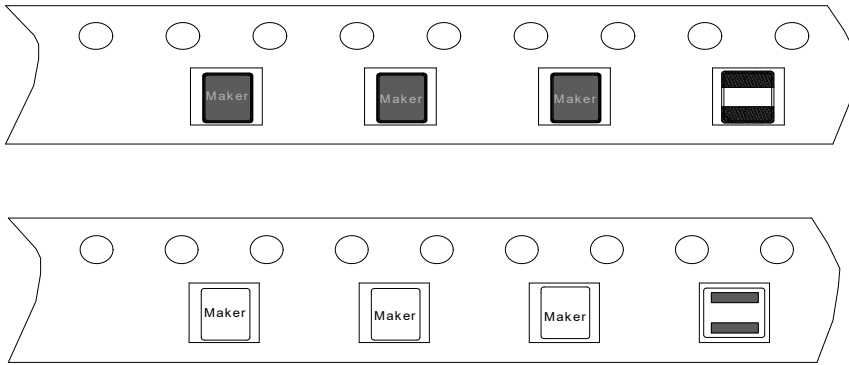
PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) @25 $^{\circ}$ C		Saturation Current DC Amps. Isat (A)	Heat Rating Current DC Amps. Irms (A)
		Typical	Maximum	Typical	Typical
CKSTWH1513S-15uH/M	15 \pm 20%	6.80	7.50	25.5	22.0

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

- Test Condition: 1MHz, 0.1Vrms
- 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.
- Irms: For Max. Value, $\Delta T < 40^{\circ}$ C; for Typ. Value, ΔT is approximate 40 $^{\circ}$ C.
- Operat between temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C (Including self - temperature rise)
- Absolute maximum voltage: DC 60V



● 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	
CKSTT0415	330	100	13	3000
CKSTT0402	330	100	13	3000
CKSTT0403	330	100	13	2000
CKSTTH0404	330	100	13	1500
CKSTT0502	330	100	13	2000
CKSTT0503	330	100	13	1500
CKSTTH0505	330	100	13	1000
CKSTT0615	330	100	13	2000
CKSTW0402S	330	100	13	3000
CKSTW0403S	330	100	13	2000
CKSTWH0404S	330	100	13	1500
CKSTW0502S	330	100	13	2000
CKSTW0503S	330	100	13	1500
CKSTW0603S	330	100	13	1500
CKSTWH0606S	330	100	13	800
CKSTWH0805S	330	100	13	1000
CKSTWH0806S	330	100	13	800
CKSTWH0807S	330	100	13	600
CKSTWH0808S	330	100	13	500
CKSTW1003S	330	100	13	1000
CKSTW1004S	330	100	13	800
CKSTW1006S	330	100	13	400
CKSTWH1006S	330	100	13	400
CKSTWH1007S	330	100	13	300
CKSTWH1008S	330	100	13	300
CKSTWH1010S	330	100	13	300
CKSTWH1507S	330	100	13	300
CKSTWH1508S	330	100	13	300
CKSTWH1510S	330	100	13	150
CKSTWH1513S	330	100	13	100