

CODACA



PRODUCTS CATALOG

*Molded Power Inductor
CSAB CSHB CSAC Series*

CSHB0410



Operating temperature range : -40℃~+125℃

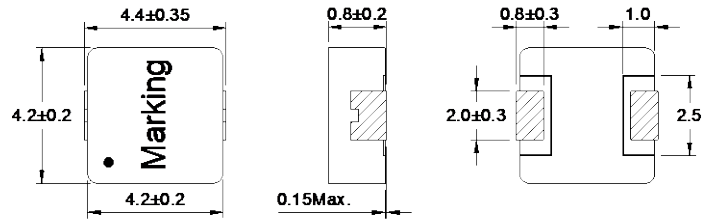
Construction



Wire



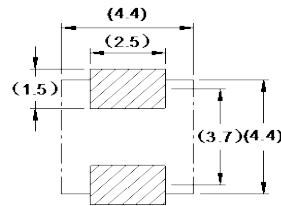
Appearance and Dimensions (mm)



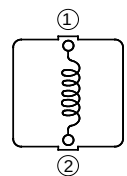
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2		Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Max	Typical
CSHB0410-3R3M	3.30	110	130	3.00	2.55	2.80
CSHB0410-6R8M	6.80	210	255	2.80	2.20	1.80
CSHB0410-100M	10.0	265	312	1.90	1.65	1.65

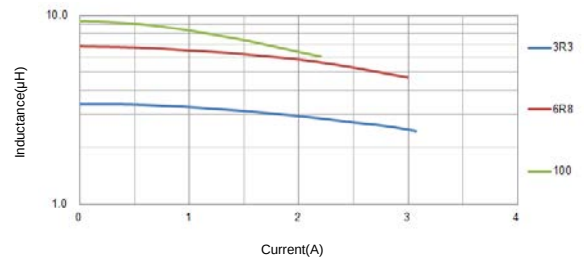
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

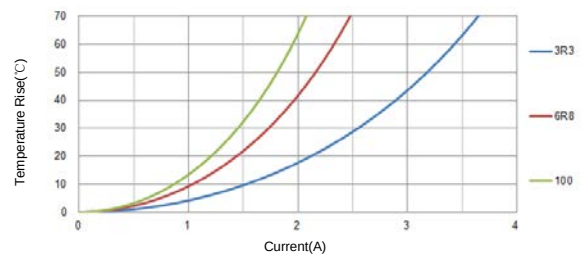
※2 Saturation current: the value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSHB0412



Operating temperature range : -40℃~+125℃

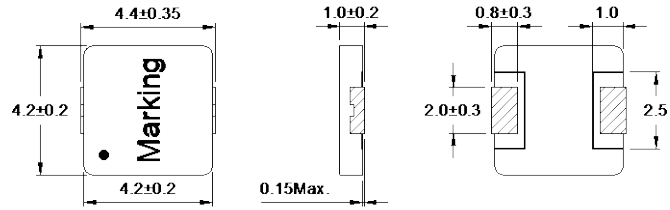
Construction



Wire



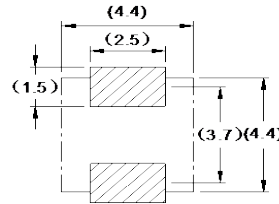
Appearance and Dimensions (mm)



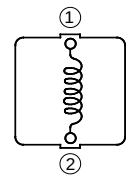
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1		D.C.R. (mΩ)		Saturation current (A)※2		Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Max	Typical	
CSHB0412R-R10M	0.10	4.30	5.50	18.0	15.3	15.0	
CSHB0412R-R22M	0.22	8.90	10.5	12.0	10.2	10.5	
CSHB0412R-R33M	0.33	11.5	13.5	11.0	9.40	10.0	
CSHB0412R-R47M	0.47	14.1	16.5	10.0	8.50	9.50	
CSHB0412R-R56M	0.56	17.0	19.5	9.00	7.60	8.50	
CSHB0412-R68M	0.68	19.6	23.0	8.00	7.50	7.50	
CSHB0412-1R0M	1.00	31.1	36.5	5.50	4.68	5.00	
CSHB0412-1R5M	1.50	44.5	52.5	4.80	4.10	4.80	
CSHB0412-2R2M	2.20	53.5	63.0	4.20	3.57	4.20	
CSHB0412-3R3M	3.30	74.8	88.0	3.70	3.15	3.70	
CSHB0412-4R7M	4.70	107	125	3.20	2.72	3.20	
CSHB0412-5R6M	5.60	162	195	2.50	2.13	2.50	
CSHB0412-6R8M	6.80	179	230	2.10	1.79	2.10	
CSHB0412-8R2M	8.20	196	260	1.80	1.53	1.80	
CSHB0412-100M	10.0	250	285	1.75	1.50	1.75	

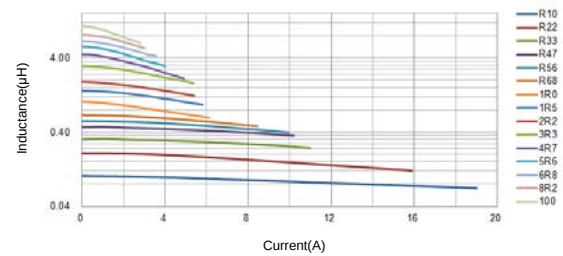
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

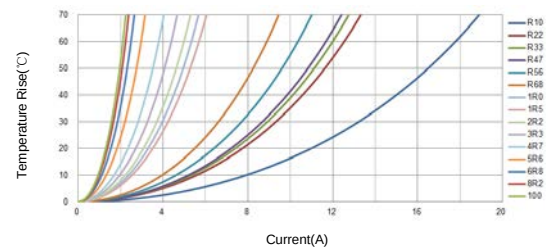
※2 Saturation current: the value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSHB0415



Operating temperature range : -40℃~+125℃

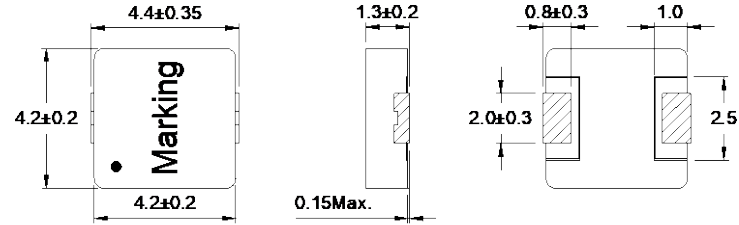
Construction



Wire



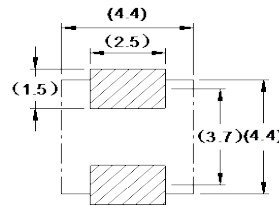
Appearance and Dimensions (mm)



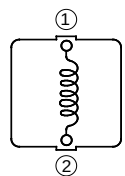
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2		Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Max	Typical
CSHB0415R-R47M	0.47	11.5	13.5	11.0	9.50	10.0
CSHB0415R-R56M	0.56	12.6	14.8	10.0	8.50	9.00
CSHB0415-R68M	0.68	15.1	17.8	7.00	6.00	7.00
CSHB0415-1R0M	1.00	22.5	26.5	6.00	5.10	6.00
CSHB0415-1R5M	1.50	33.0	39.5	5.00	4.25	5.00
CSHB0415-2R2M	2.20	38.5	45.0	4.80	4.10	4.80
CSHB0415-3R3M	3.30	58.0	70.0	4.30	3.70	4.30
CSHB0415-4R7M	4.70	75.0	92.0	3.80	3.30	3.80
CSHB0415-5R6M	5.60	109	128	3.50	3.00	3.50
CSHB0415-6R8M	6.80	143	168	3.20	2.70	3.20
CSHB0415-8R2M	8.20	185	215	2.80	2.40	2.80
CSHB0415-100M	10.0	195	245	2.20	1.90	2.50

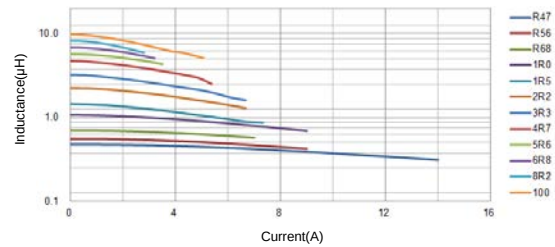
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

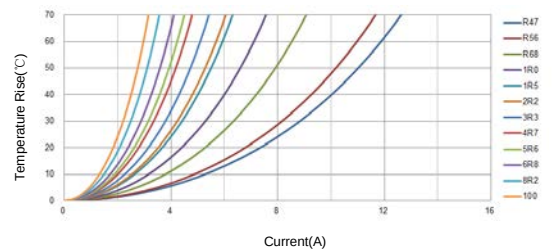
※2 Saturation current: the value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSHB0421



Operating temperature range : -40°C ~ +125°C

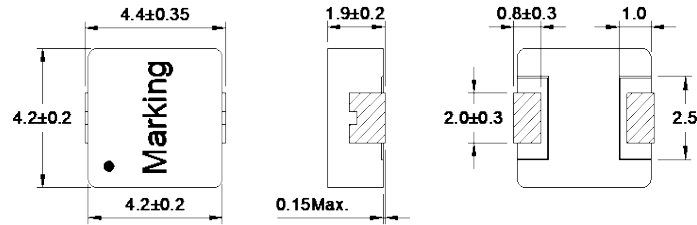
Construction



Wire



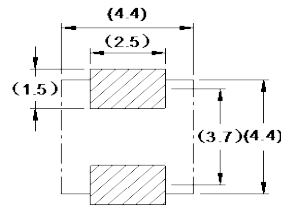
Appearance and Dimensions (mm)



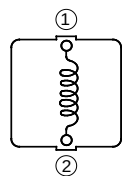
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2		Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Max	Typical
CSHB0421R-R22M	0.22	4.00	5.00	18.0	15.3	15.0
CSHB0421R-R33M	0.33	5.20	7.00	14.0	11.5	12.0
CSHB0421R-R47M	0.47	6.65	7.80	13.0	11.1	11.5
CSHB0421R-R56M	0.56	8.20	9.50	12.0	10.2	11.0
CSHB0421R-R68M	0.68	9.20	10.8	11.0	9.40	10.5
CSHB0421R-1R0M	1.00	11.4	13.5	9.00	7.65	9.00
CSHB0421R-1R5M	1.50	18.3	21.5	7.50	6.40	7.50
CSHB0421-2R2M	2.20	25.1	29.5	5.50	4.67	5.50
CSHB0421-3R3M	3.30	33.4	36.8	5.00	4.25	5.00
CSHB0421-4R7M	4.70	49.7	58.5	4.50	3.83	4.50
CSHB0421-5R6M	5.60	60.5	71.1	4.00	3.40	4.00
CSHB0421-6R8M	6.80	78.7	92.5	3.50	2.95	3.50
CSHB0421-8R2M	8.20	101	118	3.00	2.55	3.00
CSHB0421-100M	10.0	110	129	2.50	2.15	2.50
CSHB0421R-150M	15.0	217	255	2.20	1.87	2.20
CSHB0421R-220M	22.0	272	320	2.00	1.70	2.00

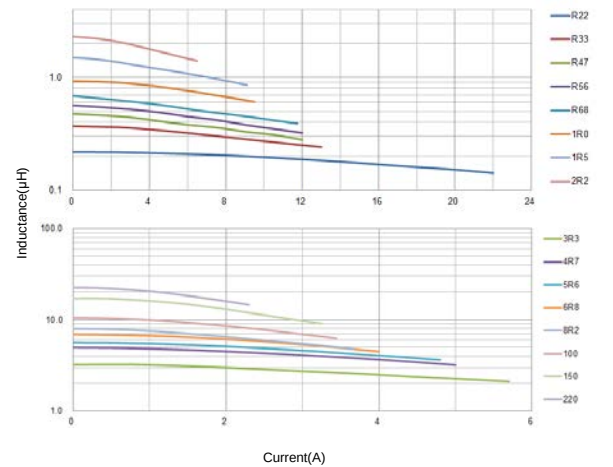
■ All data is tested based on 25°C ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

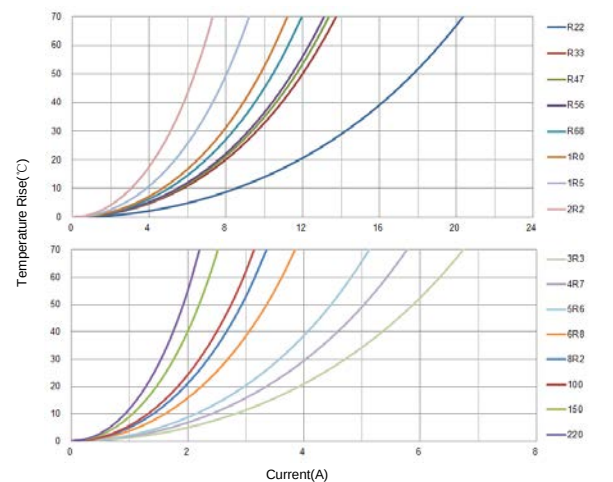
※2 Saturation current: the value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40°C (Ta=25°C).

Saturation Current Curve



Temperature Rise Current Curve



CSHB0430



Operating temperature range : -40°C ~ +125°C

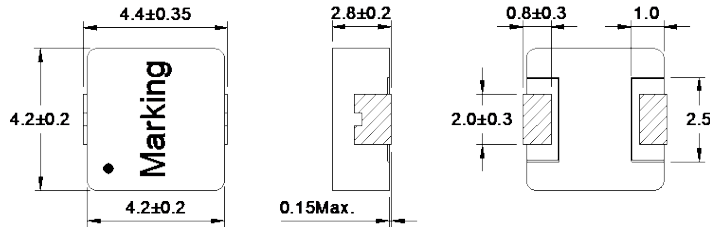
Construction



Wire



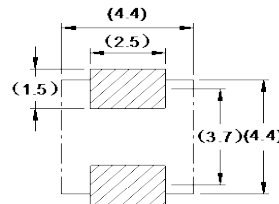
Appearance and Dimensions (mm)



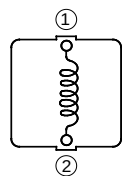
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2		Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Max	Typical
CSHB0430R-1R0M	1.00	10.5	12.1	9.60	8.16	11.5
CSHB0430R-1R5M	1.50	14.0	16.1	8.80	7.50	9.20
CSHB0430R-2R2M	2.20	20.5	24.2	7.50	6.40	8.30
CSHB0430R-3R3M	3.30	25.5	30.5	6.50	5.50	7.50
CSHB0430R-5R6M	5.60	46.5	58.5	5.50	4.40	6.00
CSHB0430R-6R8M	6.80	63.0	73.0	4.50	3.60	5.00
CSHB0430R-8R2M	8.20	86.0	108	4.00	3.40	4.50
CSHB0430R-100M	10.0	98.5	122	3.70	3.15	3.70
CSHB0430R-150M	15.0	196	225	2.50	2.10	2.50
CSHB0430R-220M	22.0	231	272	2.00	1.70	2.00

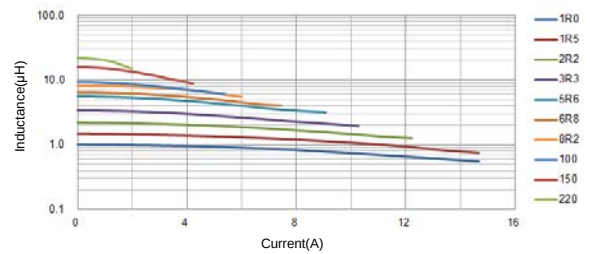
■ All data is tested based on 25°C ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

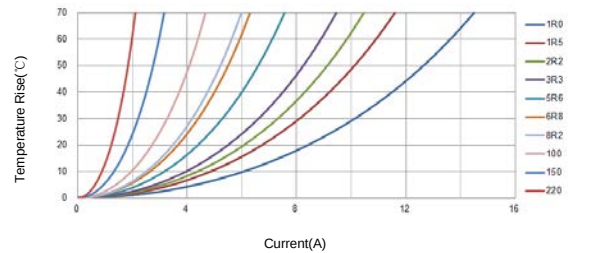
※2 Saturation current: the value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40°C (Ta=25°C).

Saturation Current Curve



Temperature Rise Current Curve



CSHB0515



Operating temperature range : -40℃~+125℃

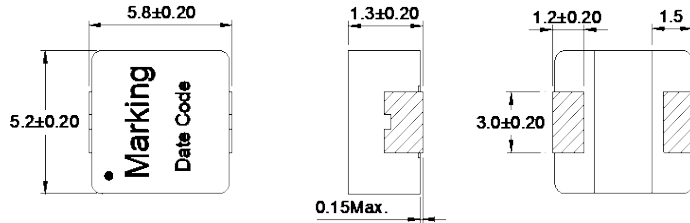
Construction



Wire



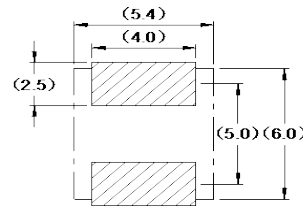
Appearance and Dimensions (mm)



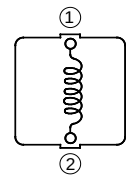
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2		Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Max	Typical
CSHB0515R-R33M	0.33	6.50	8.15	14.0	11.2	12.0
CSHB0515R-R56M	0.56	8.50	10.5	11.5	9.20	11.0
CSHB0515R-R68M	0.68	10.2	12.8	10.5	8.40	10.0
CSHB0515R-1R0M	1.00	16.4	21.0	8.80	7.00	8.50
CSHB0515R-1R2M	1.20	20.7	23.8	7.80	6.30	7.50
CSHB0515R-1R5M	1.50	24.2	29.5	7.00	5.60	6.80
CSHB0515-2R2M	2.20	36.5	45.5	6.50	5.20	6.30
CSHB0515-3R3M	3.30	54.0	67.5	5.50	4.40	5.30
CSHB0515-4R7M	4.70	70.5	87.5	4.80	3.85	4.60
CSHB0515-5R6M	5.60	80.5	98.5	4.50	3.60	4.30
CSHB0515-100M	10.0	132	165	3.60	2.90	3.30

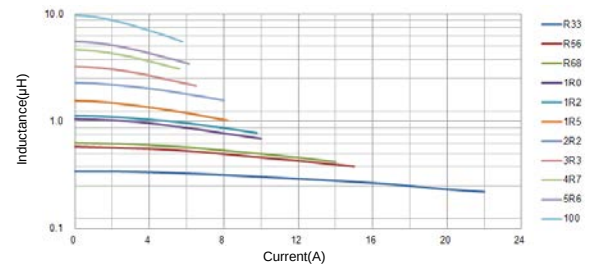
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

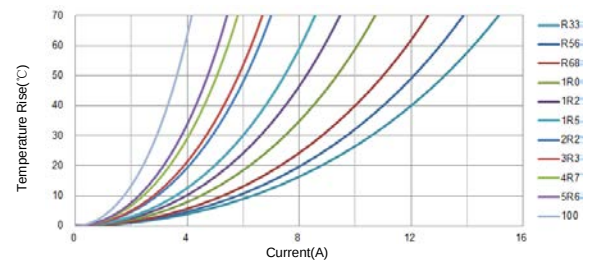
※2 Saturation current: the value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSHB0520



Operating temperature range : -40℃~+125℃

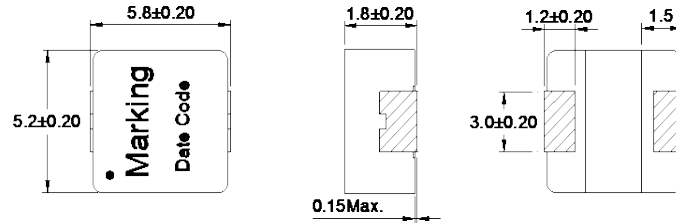
Construction



Wire



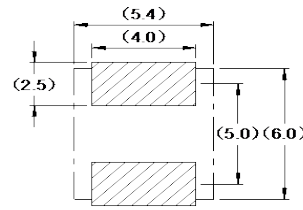
Appearance and Dimensions (mm)



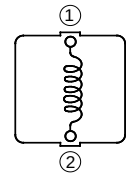
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (m Ω)		Saturation current (A)※2		Temperature rise current (A)※3
	$\pm 20\%$	Typical	Max	Typical	Max	Typical
CSHB0520R-R33M	0.33	6.40	7.10	21.3	18.1	15.0
CSHB0520R-R47M	0.47	7.20	8.50	18.0	15.3	14.5
CSHB0520R-1R0M	1.00	10.2	12.8	12.0	10.2	11.5
CSHB0520R-1R2M	1.20	13.0	15.0	10.0	8.50	9.00
CSHB0520R-1R5M	1.50	15.1	17.8	9.50	8.10	7.50
CSHB0520R-2R2M	2.20	20.0	25.5	7.50	6.40	7.00
CSHB0520R-3R3M	3.30	33.5	39.5	6.50	5.52	6.00
CSHB0520R-4R7M	4.70	41.0	51.8	5.50	4.68	5.00
CSHB0520R-5R6M	5.60	67.0	79.5	4.50	3.80	4.00
CSHB0520R-6R8M	6.80	93.0	107	3.50	3.00	3.00

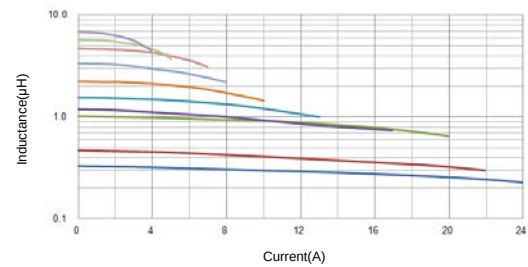
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

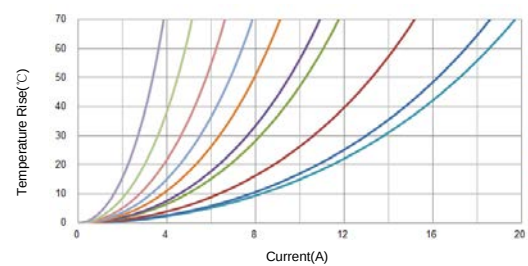
※2 Saturation current: the value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is $\Delta T40^\circ\text{C}$ ($T_a=25^\circ\text{C}$).

Saturation Current Curve



Temperature Rise Current Curve



CSHB0530



Operating temperature range : -40°C ~ +125°C

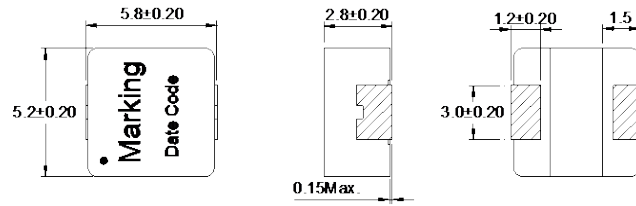
Construction



Wire



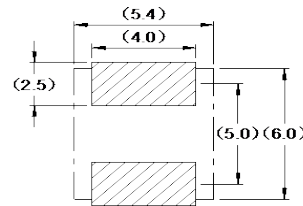
Appearance and Dimensions (mm)



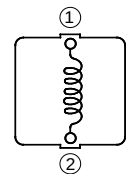
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2		Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Max	Typical
CSHB0530R-R22M	0.22	2.80	3.50	22.0	18.7	19.0
CSHB0530R-R33M	0.33	4.60	5.20	20.0	17.0	17.0
CSHB0530R-R47M	0.47	5.25	5.85	17.0	14.5	15.0
CSHB0530R-R56M	0.56	5.90	6.80	16.5	14.0	14.5
CSHB0530R-R68M	0.68	7.20	8.80	15.8	13.5	13.5
CSHB0530R-R82M	0.82	8.90	10.5	15.0	12.8	13.0
CSHB0530R-1R0M	1.00	10.8	12.2	14.0	12.0	12.5
CSHB0530R-1R5M	1.50	13.5	16.0	12.0	10.5	11.5
CSHB0530R-2R2M	2.20	16.3	19.3	10.0	8.50	9.50
CSHB0530R-3R3M	3.30	20.3	25.8	8.50	7.25	8.00
CSHB0530R-4R7M	4.70	32.0	37.0	7.00	6.00	6.50
CSHB0530R-5R6M	5.60	38.0	45.0	6.50	5.60	5.50
CSHB0530R-6R8M	6.80	47.0	58.0	5.50	4.70	5.00
CSHB0530R-8R2M	8.20	60.0	71.0	4.80	4.10	4.50
CSHB0530R-100M	10.0	73.0	85.0	4.50	3.85	4.20
CSHB0530R-150M	15.0	97.0	111	3.80	3.40	3.70
CSHB0530R-220M	22.0	152	180	3.00	2.55	2.70

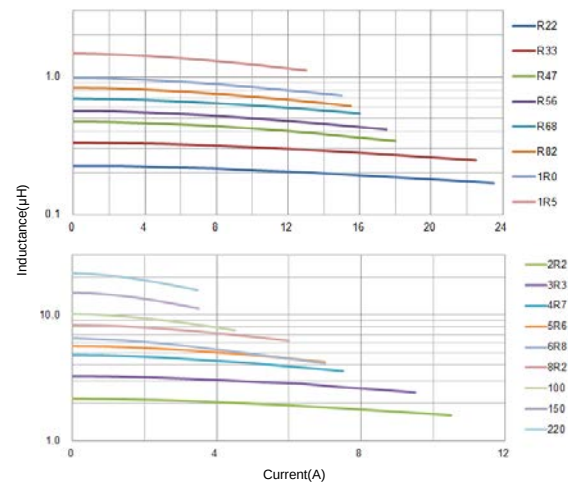
■ All data is tested based on 25°C ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

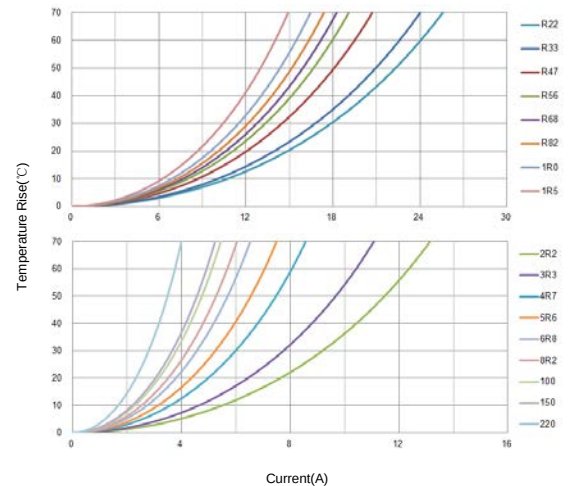
※2 Saturation current: the value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40°C (Ta=25°C).

Saturation Current Curve



Temperature Rise Current Curve



CSHB0540



Operating temperature range : -40℃~+125℃

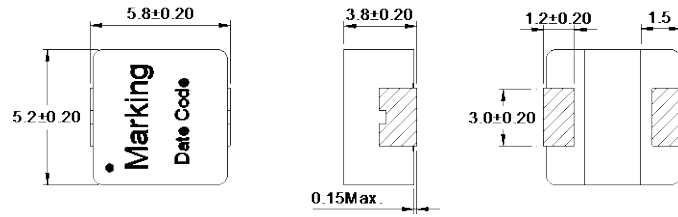
Construction



Wire



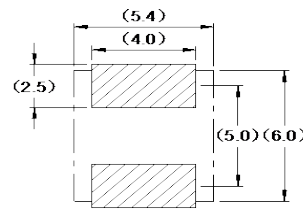
Appearance and Dimensions (mm)



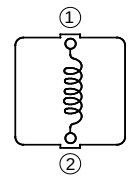
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2		Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Max	Typical
CSHB0540R-1R0M	1.00	7.15	8.50	14.0	11.9	13.5
CSHB0540R-1R2M	1.20	8.90	10.9	12.0	10.2	11.5
CSHB0540R-1R5M	1.50	12.8	15.4	11.5	9.77	11.0
CSHB0540R-2R2M	2.20	16.0	18.9	10.5	8.90	10.0
CSHB0540R-3R3M	3.30	21.6	24.0	9.00	7.65	8.50
CSHB0540R-4R7M	4.70	24.1	28.4	7.50	6.40	7.00
CSHB0540R-5R6M	5.60	28.5	33.9	6.50	5.50	6.00
CSHB0540R-6R8M	6.80	35.5	42.5	5.60	4.70	5.20
CSHB0540R-8R2M	8.20	51.0	68.5	5.00	4.20	4.50
CSHB0540R-100M	10.0	69.5	78.9	4.80	4.10	4.00
CSHB0540R-150M	15.0	80.1	95.2	4.00	3.40	3.50
CSHB0540R-220M	22.0	139	167	3.30	2.80	3.30

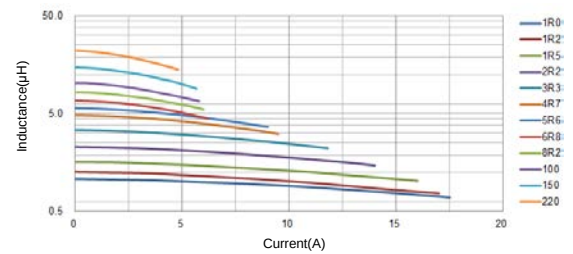
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

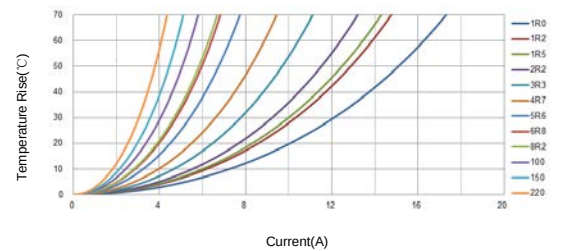
※2 Saturation current: the value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



AEC-Q200 CSAB0420



Operating temperature range : -40℃~+125℃

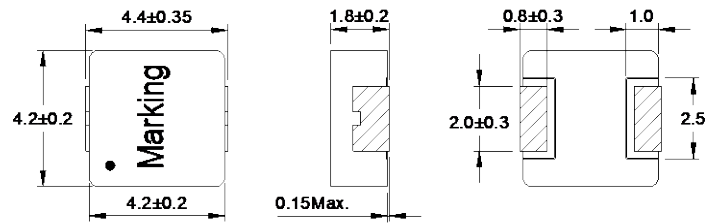
Construction



Wire



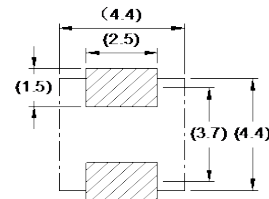
Appearance and Dimensions (mm)



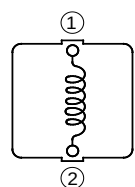
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB0420-R10M	0.10	3.25	4.00	28.0	15.6
CSAB0420-R22M	0.22	5.80	6.60	18.0	11.7
CSAB0420-R33M	0.33	8.10	10.5	12.0	9.90
CSAB0420-R47M	0.47	12.5	15.5	11.0	8.00
CSAB0420-R56M	0.56	13.0	16.0	10.0	7.90
CSAB0420-R68M	0.68	14.0	18.0	9.00	7.60
CSAB0420-1R0M	1.00	20.9	27.0	9.00	6.20
CSAB0420-1R2M	1.20	21.0	27.0	7.00	6.20
CSAB0420-1R5M	1.50	39.0	46.0	6.00	4.50
CSAB0420-1R8M	1.80	39.5	47.0	6.00	4.50
CSAB0420-2R2M	2.20	50.5	65.0	5.00	4.00
CSAB0420-2R9M	2.90	68.3	80.0	5.00	3.40
CSAB0420-3R3M	3.30	72.0	87.0	4.00	3.30
CSAB0420-4R7M	4.70	100	115	3.30	2.80
CSAB0420-6R8M	6.80	187	228	3.00	2.05
CSAB0420-100M	10.0	238	282	2.20	1.80

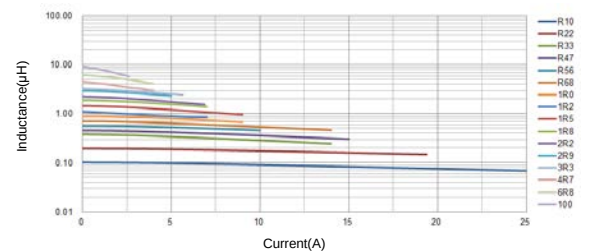
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

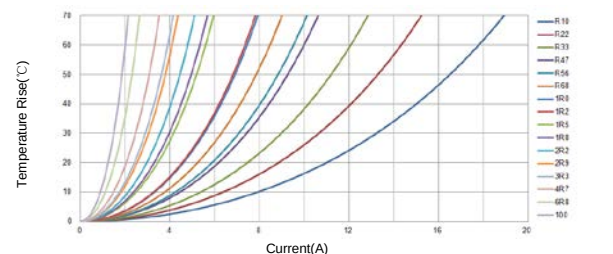
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



AEC-Q200

CSAB0518



Operating temperature range : -40℃~+125℃

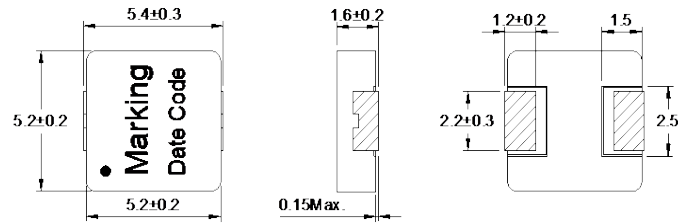
Construction



Wire



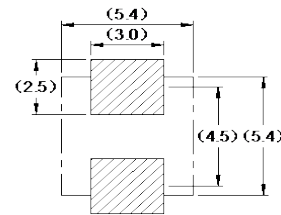
Appearance and Dimensions (mm)



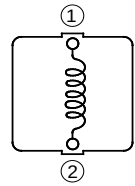
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB0518-R47M	0.47	7.80	9.00	15.5	10.2
CSAB0518-R56M	0.56	8.00	10.0	15.0	10.0
CSAB0518-R68M	0.68	9.50	11.6	9.00	9.20
CSAB0518-1R0M	1.00	15.3	17.0	9.00	7.30
CSAB0518-1R2M	1.20	21.9	25.0	9.00	6.10
CSAB0518-1R5M	1.50	25.1	30.0	7.50	5.60
CSAB0518-2R2M	2.20	32.5	35.0	6.50	5.00
CSAB0518-3R3M	3.30	51.4	58.0	5.00	4.00
CSAB0518-4R7M	4.70	80.0	85.0	4.00	3.20
CSAB0518-6R8M	6.80	107	120	3.40	2.80

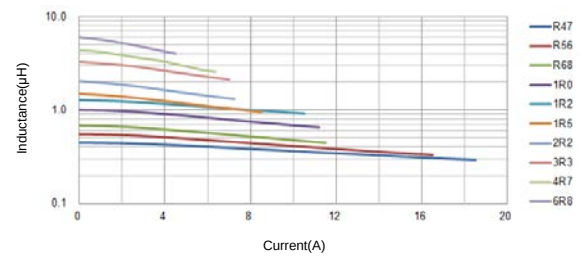
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

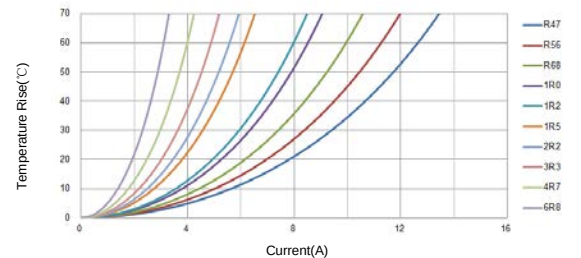
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



AEC-Q200

CSAB0530



Operating temperature range : -40℃~+125℃

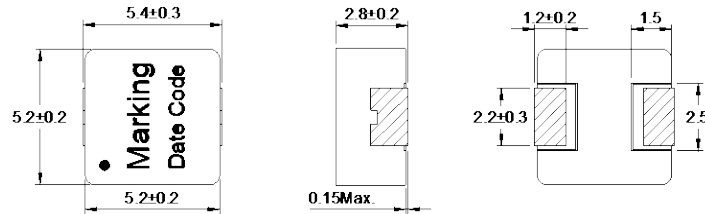
Construction



Wire



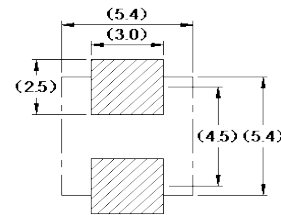
Appearance and Dimensions (mm)



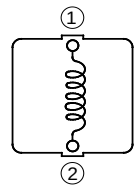
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB0530-R22M	0.22	3.30	4.00	19.0	16.3
CSAB0530-R33M	0.33	4.80	5.60	15.0	13.5
CSAB0530-R47M	0.47	8.80	11.0	14.0	10.0
CSAB0530-R68M	0.68	9.30	12.0	12.0	9.70
CSAB0530-1R0M	1.00	11.7	14.0	12.0	8.70
CSAB0530-1R5M	1.50	16.2	23.0	12.0	7.40
CSAB0530-2R2M	2.20	25.5	29.0	9.50	5.90
CSAB0530-3R3M	3.30	35.8	42.0	6.00	5.00
CSAB0530-4R7M	4.70	52.4	60.0	5.00	4.10
CSAB0530-5R6M	5.60	57.1	65.0	4.50	3.90
CSAB0530-6R8M	6.80	82.0	90.0	4.00	3.30
CSAB0530-8R2M	8.20	109	120	4.00	2.80
CSAB0530-100M	10.0	117	125	4.00	2.60
CSAB0530-150M	15.0	171	210	3.00	2.40
CSAB0530-220M	22.0	190	248	2.30	2.00

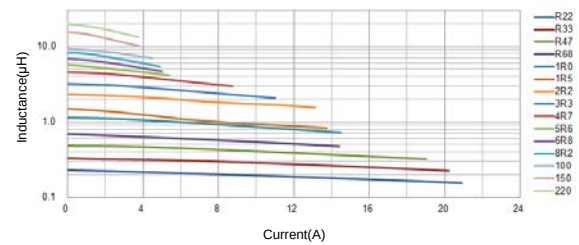
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

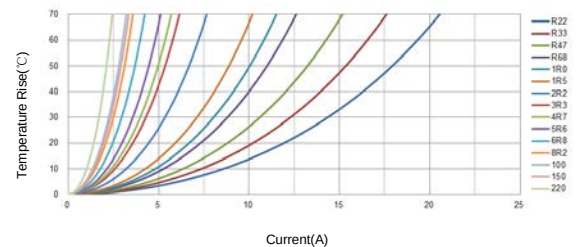
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAB0718



Operating temperature range : -40℃~+125℃

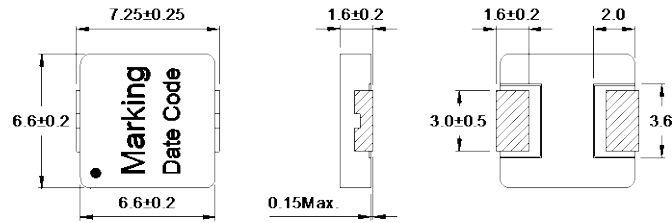
Construction



Wire



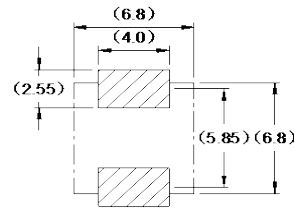
Appearance and Dimensions (mm)



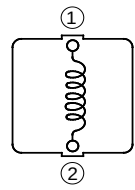
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. ($\text{m}\Omega$)		Saturation current (A)※2	Temperature rise current (A)※3
	$\pm 20\%$	Typical	Max	Typical	Typical
CSAB0718-R10M	0.10	2.10	2.50	33.0	20.5
CSAB0718-R15M	0.15	4.00	5.00	27.0	15.0
CSAB0718-R47M	0.47	8.90	10.0	18.0	10.0
CSAB0718-R82M	0.82	11.9	14.5	14.0	8.60
CSAB0718-1R0M	1.00	15.4	17.0	12.0	7.60
CSAB0718-1R5M	1.50	25.8	28.0	9.00	5.90
CSAB0718-2R2M	2.20	30.5	35.0	7.50	5.40
CSAB0718-4R7M	4.70	61.5	70.0	5.00	3.70
CSAB0718-6R8M	6.80	101	110	3.50	2.90

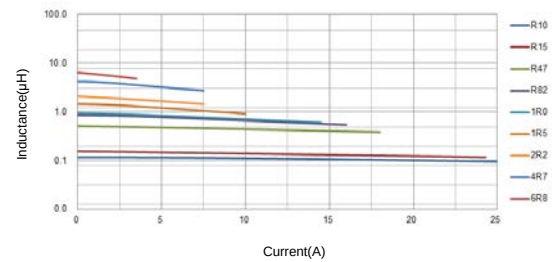
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

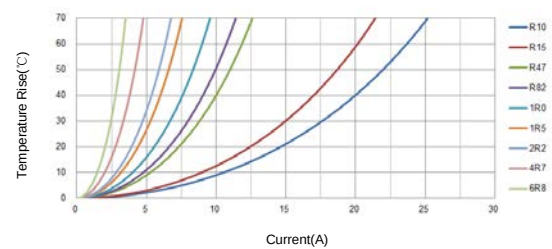
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is $\Delta T 40^\circ\text{C}$ ($T_a = 25^\circ\text{C}$).

Saturation Current Curve



Temperature Rise Current Curve



CSAB0724



Operating temperature range : -40℃~+125℃

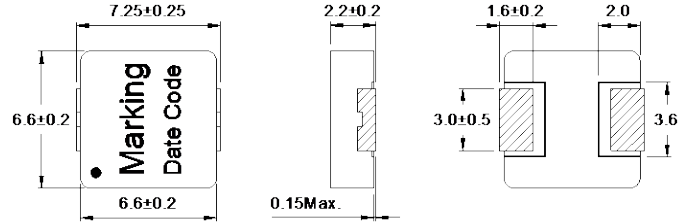
Construction



Wire



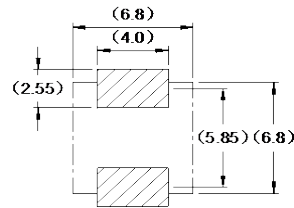
Appearance and Dimensions (mm)



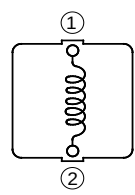
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB0724-R22M	0.22	2.50	3.20	34.0	21.0
CSAB0724-1R0M	1.00	12.4	15.0	16.0	9.50
CSAB0724-1R5M	1.50	19.8	23.0	15.0	7.50
CSAB0724-2R2M	2.20	24.6	28.0	10.0	6.70
CSAB0724-2R7M	2.70	30.7	35.0	9.50	6.00
CSAB0724-3R3M	3.30	33.4	39.0	8.00	5.70
CSAB0724-4R7M	4.70	45.6	50.0	6.00	4.90
CSAB0724-100M	10.0	125	145	4.00	2.95

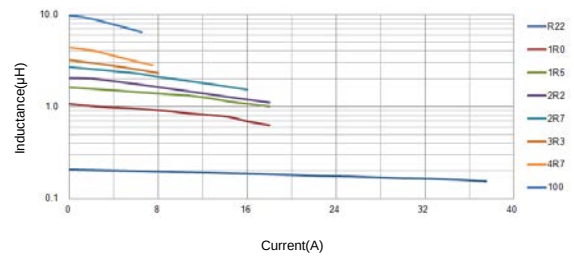
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

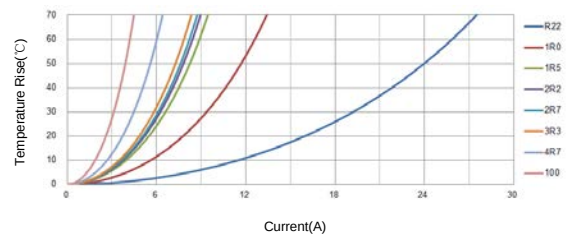
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAB0730



Operating temperature range : -40℃~+125℃

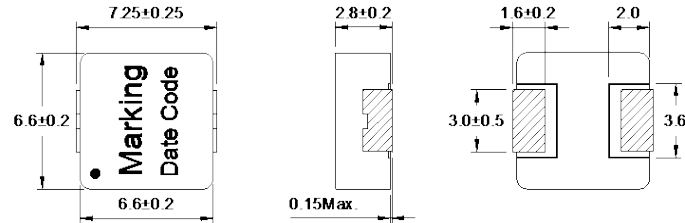
Construction



Wire



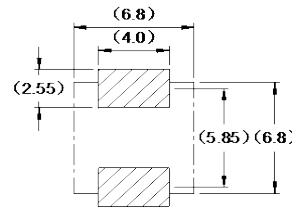
Appearance and Dimensions (mm)



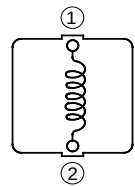
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB0730-R10M	0.10	0.66	1.70	60.0	30.0
CSAB0730-R15M	0.15	1.65	2.00	40.0	26.0
CSAB0730-R22M	0.22	2.35	3.00	34.0	21.5
CSAB0730-R33M	0.33	2.60	3.50	27.5	20.5
CSAB0730-R47M	0.47	3.20	4.10	20.0	18.5
CSAB0730-R56M	0.56	4.00	4.50	20.0	16.5
CSAB0730-R68M	0.68	4.20	5.30	19.5	16.1
CSAB0730-R82M	0.82	5.00	6.00	16.0	14.7
CSAB0730-1R0M	1.00	6.70	7.40	15.5	12.7
CSAB0730-1R5M	1.50	9.20	12.1	14.0	10.9
CSAB0730-2R2M	2.20	13.2	15.0	11.5	9.10
CSAB0730-2R7M	2.70	15.8	18.0	9.50	8.30
CSAB0730-3R3M	3.30	17.9	22.0	9.50	7.80
CSAB0730-4R7M	4.70	36.8	40.0	9.50	5.50
CSAB0730-5R6M	5.60	38.4	42.0	6.00	5.30
CSAB0730-6R8M	6.80	45.3	48.0	6.00	4.90
CSAB0730-8R2M	8.20	53.2	65.0	6.00	4.50
CSAB0730-100M	10.0	60.6	75.0	5.50	4.20
CSAB0730-150M	15.0	97.5	115	4.50	3.30
CSAB0730-220M	22.0	168	200	3.50	2.50
CSAB0730-330M	33.0	209	253	2.50	2.20

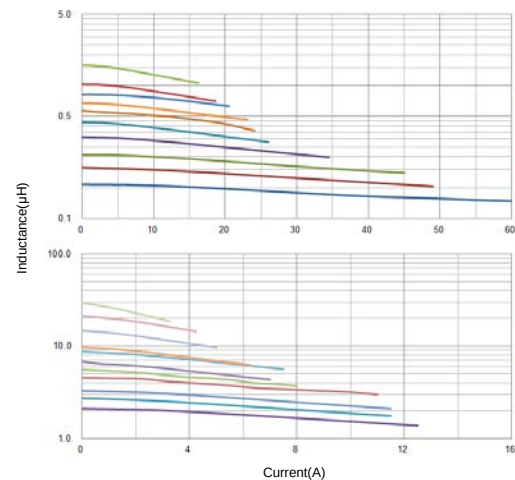
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

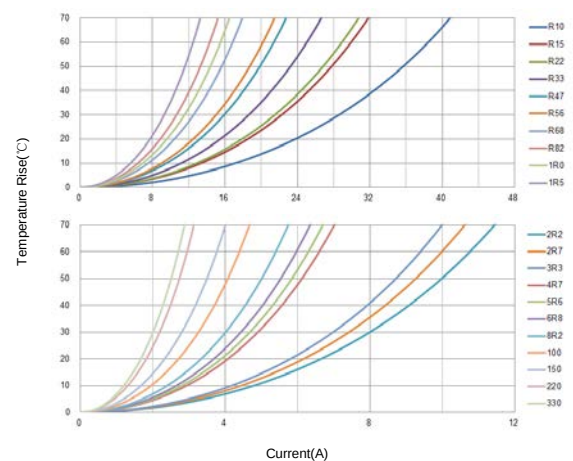
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

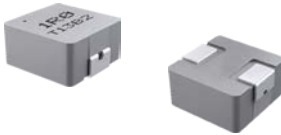
Saturation Current Curve



Temperature Rise Current Curve



CSAB0740



Operating temperature range : -40℃~+125℃

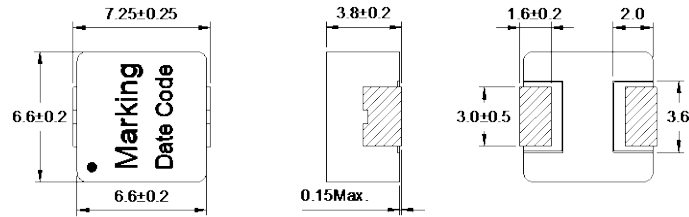
Construction



Wire



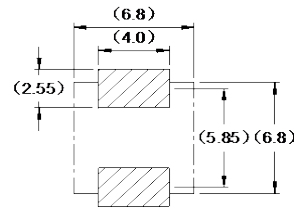
Appearance and Dimensions (mm)



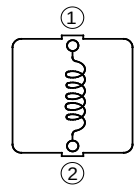
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB0740-R13M	0.13	0.60	0.80	50.0	35.0
CSAB0740-R15M	0.15	0.65	0.80	50.0	34.0
CSAB0740-R22M	0.22	2.05	2.50	35.0	28.0
CSAB0740-R36M	0.36	2.50	3.10	25.0	21.5
CSAB0740-R47M	0.47	3.25	3.60	21.0	19.0
CSAB0740-R68M	0.68	4.10	4.80	21.0	17.0
CSAB0740-1R0M	1.00	5.50	6.60	18.5	14.6
CSAB0740-1R5M	1.50	7.70	9.50	12.5	12.4
CSAB0740-1R8M	1.80	9.20	11.2	13.0	11.4
CSAB0740-2R2M	2.20	11.0	15.0	11.0	10.4
CSAB0740-3R3M	3.30	16.6	20.0	9.50	8.40
CSAB0740-4R7M	4.70	27.3	30.0	9.00	6.50
CSAB0740-5R6M	5.60	36.5	38.0	7.00	5.70
CSAB0740-6R8M	6.80	40.6	50.0	6.00	5.40
CSAB0740-8R2M	8.20	47.5	55.0	6.00	5.00
CSAB0740-100M	10.0	51.5	65.0	6.00	4.80
CSAB0740-150M	15.0	86.3	95.0	4.50	3.70
CSAB0740-220M	22.0	107	125	4.00	3.30
CSAB0740-330M	33.0	199	220	3.00	2.40
CSAB0740-390M	39.0	244	280	2.80	2.20
CSAB0740-470M	47.0	256	298	2.50	2.10

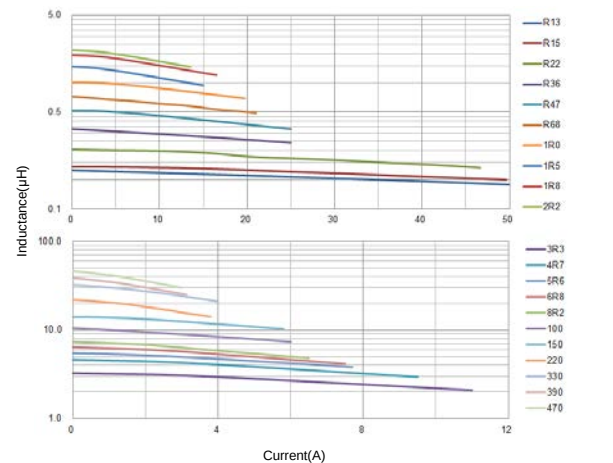
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

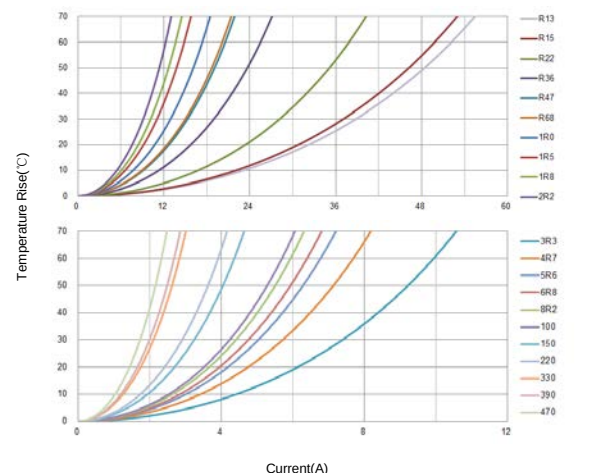
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



AEC-Q200

CSAB0750



Operating temperature range : -40℃~+125℃

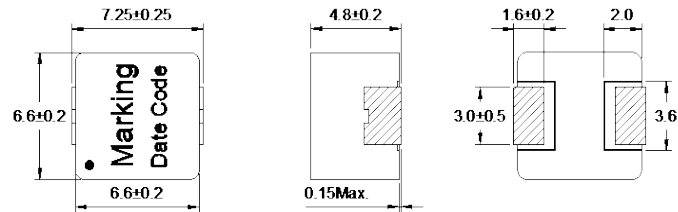
Construction



Wire



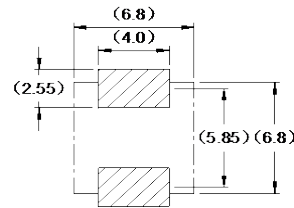
Appearance and Dimensions (mm)



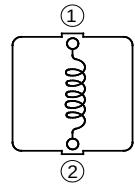
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB0750-R22M	0.22	2.05	2.30	40.0	30.0
CSAB0750-1R5M	1.50	7.50	8.20	10.5	12.7
CSAB0750-2R2M	2.20	11.5	15.0	10.5	10.2
CSAB0750-3R3M	3.30	18.9	23.0	9.00	8.00
CSAB0750-4R7M	4.70	27.7	32.0	7.00	6.60
CSAB0750-6R8M	6.80	28.0	34.0	7.50	6.50
CSAB0750-8R2M	8.20	55.0	59.0	6.50	4.70
CSAB0750-100M	10.0	63.0	65.0	5.30	4.30
CSAB0750-220M	22.0	95.5	106	4.00	3.20
CSAB0750-330M	33.0	185	204	3.30	3.00
CSAB0750-470M	47.0	199	240	2.50	2.40
CSAB0750-560M	56.0	251	300	2.30	2.15

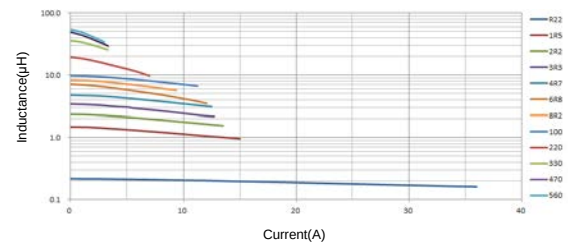
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

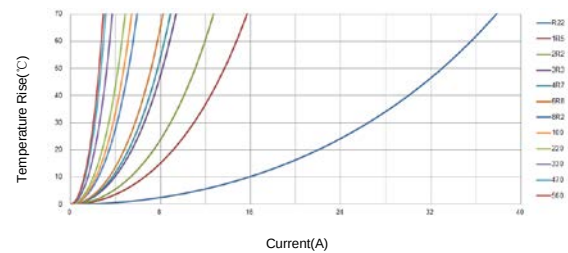
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

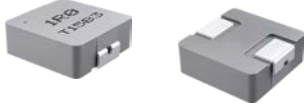
Saturation Current Curve



Temperature Rise Current Curve



CSAB1030A



Operating temperature range : -40℃~+125℃

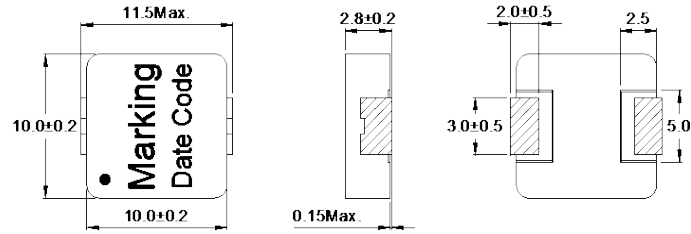
Construction



Wire



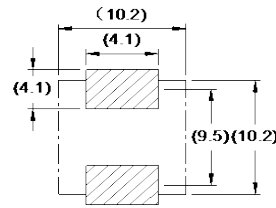
Appearance and Dimensions (mm)



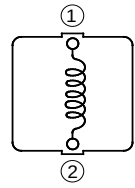
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB1030A-R15M	0.15	0.70	0.84	45.0	35.0
CSAB1030A-R22M	0.22	1.10	1.50	38.0	32.0
CSAB1030A-R36M	0.36	1.50	1.80	28.0	25.0
CSAB1030A-R47M	0.47	1.90	2.50	26.0	20.0
CSAB1030A-R56M	0.56	2.00	3.00	24.0	18.0
CSAB1030A-1R0M	1.00	5.00	6.00	21.0	14.0
CSAB1030A-1R2M	1.20	6.00	7.00	20.0	13.6
CSAB1030A-1R5M	1.50	6.60	7.50	20.0	13.0
CSAB1030A-2R2M	2.20	9.40	11.2	16.0	10.8
CSAB1030A-3R3M	3.30	14.3	18.0	14.0	8.80
CSAB1030A-4R7M	4.70	21.5	24.0	12.0	7.20
CSAB1030A-5R6M	5.60	24.5	29.0	10.0	6.70
CSAB1030A-6R8M	6.80	30.5	43.0	8.50	6.00
CSAB1030A-100M	10.0	44.3	55.0	7.50	5.00
CSAB1030A-150M	15.0	71.0	77.0	6.00	3.90
CSAB1030A-220M	22.0	89.0	99.0	5.00	3.50

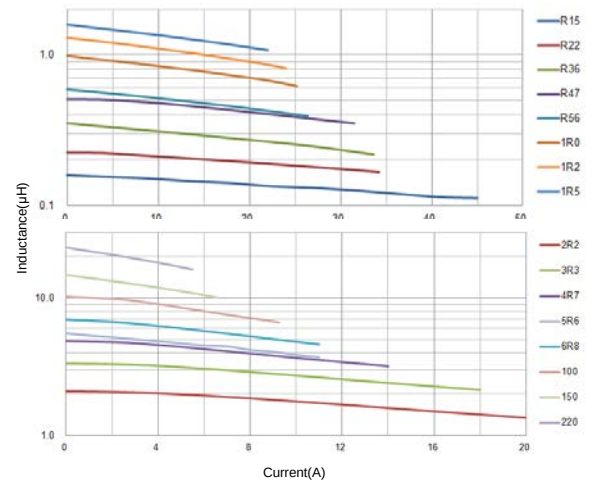
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

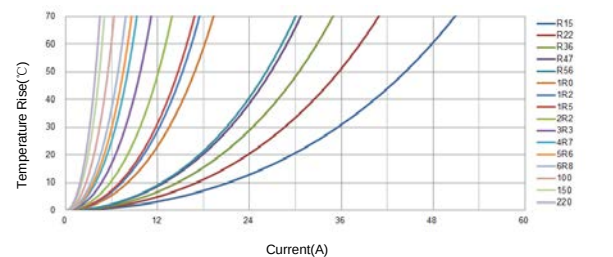
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAB1040A



Operating temperature range : -40℃~+125℃

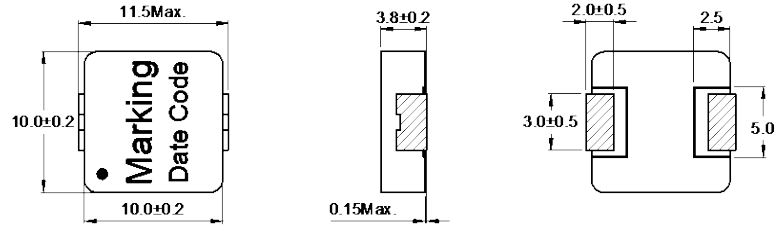
Construction



Wire



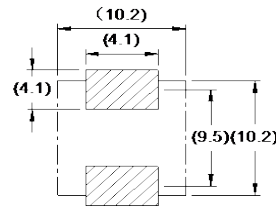
Appearance and Dimensions (mm)



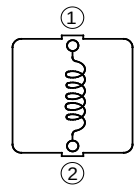
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB1040A-R15M	0.15	0.39	0.65	70.0	40.0
CSAB1040A-R22M	0.22	0.67	1.00	48.0	35.0
CSAB1040A-R36M	0.36	1.20	1.50	46.0	30.0
CSAB1040A-R47M	0.47	1.20	1.60	40.0	28.0
CSAB1040A-R56M	0.56	1.70	2.00	33.0	26.5
CSAB1040A-R68M	0.68	1.90	2.40	33.0	25.0
CSAB1040A-1R0M	1.00	2.50	3.30	28.0	21.5
CSAB1040A-1R2M	1.20	3.40	3.90	27.0	18.5
CSAB1040A-1R5M	1.50	3.60	4.20	26.0	18.0
CSAB1040A-2R2M	2.20	6.70	8.00	25.0	13.2
CSAB1040A-3R3M	3.30	10.3	11.8	16.0	10.7
CSAB1040A-4R7M	4.70	12.0	20.0	14.0	9.90
CSAB1040A-5R6M	5.60	17.9	23.0	12.5	8.10
CSAB1040A-6R8M	6.80	20.0	23.5	10.0	7.70
CSAB1040A-8R2M	8.20	22.2	27.0	9.50	7.30
CSAB1040A-100M	10.0	24.7	30.0	9.30	6.90
CSAB1040A-150M	15.0	35.4	45.0	7.00	5.80
CSAB1040A-220M	22.0	54.0	66.0	6.00	4.70
CSAB1040A-330M	33.0	86.0	92.0	5.00	3.70
CSAB1040A-470M	47.0	126	145	4.50	3.10
CSAB1040A-680M	68.0	176	195	3.80	2.60
CSAB1040A-820M	82.0	254	305	3.00	2.20

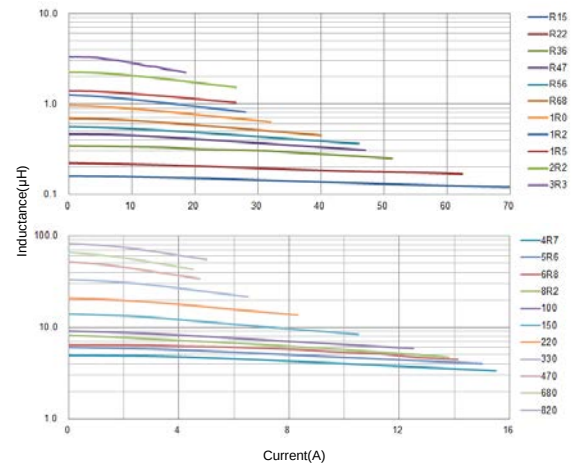
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

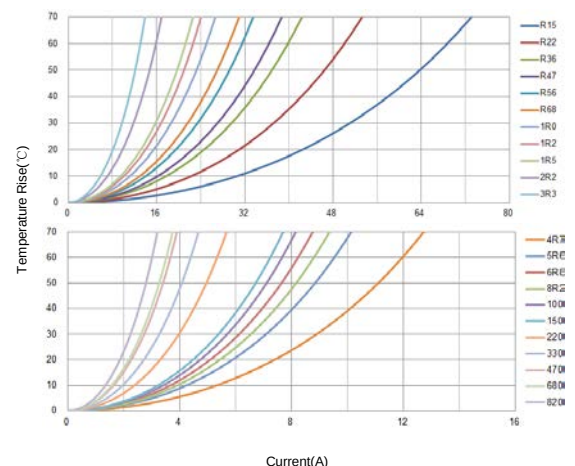
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAB1045A



Operating temperature range : -40℃~+125℃

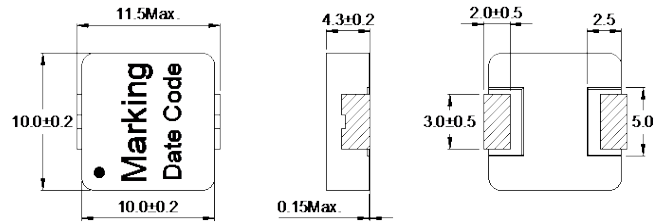
Construction



Wire



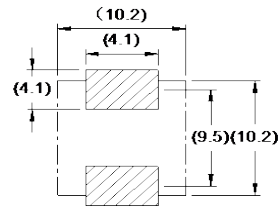
Appearance and Dimensions (mm)



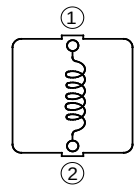
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB1045A-R82M	0.82	2.40	2.80	30.0	22.5
CSAB1045A-1R0M	1.00	2.60	3.20	28.0	21.5
CSAB1045A-1R2M	1.20	4.00	4.50	27.0	17.5
CSAB1045A-1R5M	1.50	5.00	6.00	23.0	15.5
CSAB1045A-2R2M	2.20	7.30	8.20	16.0	13.0
CSAB1045A-3R3M	3.30	9.70	13.2	14.5	11.0
CSAB1045A-4R7M	4.70	11.4	15.0	13.0	10.2
CSAB1045A-5R6M	5.60	14.0	18.5	10.5	9.20
CSAB1045A-6R8M	6.80	18.3	24.0	9.50	8.10
CSAB1045A-8R2M	8.20	22.6	30.0	9.00	7.20
CSAB1045A-100M	10.0	25.5	28.0	8.00	6.90
CSAB1045A-150M	15.0	39.5	45.0	7.00	5.50
CSAB1045A-220M	22.0	51.1	61.5	6.50	4.90
CSAB1045A-330M	33.0	73.4	95.0	5.50	4.10

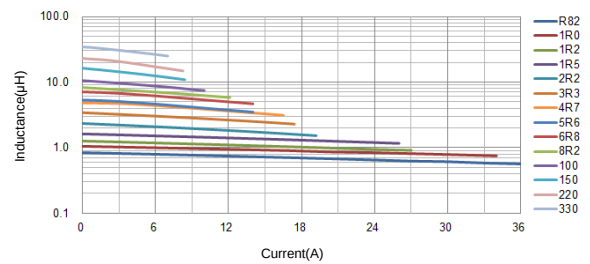
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

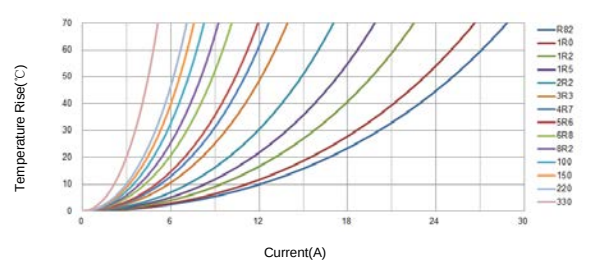
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAB1050A



Operating temperature range : -40℃~+125℃

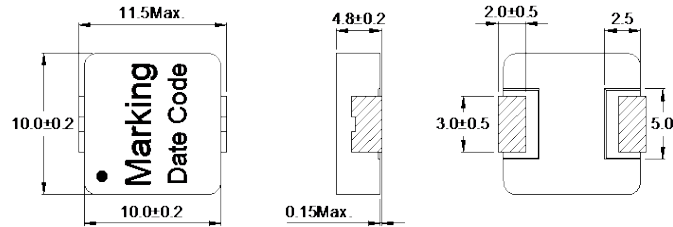
Construction



Wire



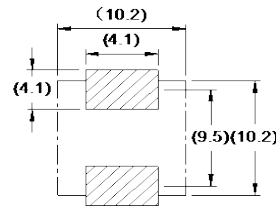
Appearance and Dimensions (mm)



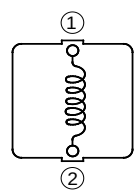
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB1050A-R82M	0.82	2.00	2.30	31.0	23.0
CSAB1050A-1R0M	1.00	2.10	2.50	28.5	22.5
CSAB1050A-1R5M	1.50	3.40	4.00	23.5	18.0
CSAB1050A-2R2M	2.20	6.10	7.30	22.0	14.5
CSAB1050A-3R3M	3.30	7.60	9.20	16.0	12.0
CSAB1050A-4R7M	4.70	11.2	13.2	14.0	10.5
CSAB1050A-5R6M	5.60	12.6	15.5	13.5	9.70
CSAB1050A-6R8M	6.80	15.5	18.6	12.0	8.50
CSAB1050A-8R2M	8.20	20.5	24.0	11.0	7.50
CSAB1050A-100M	10.0	24.5	28.0	10.0	6.90
CSAB1050A-150M	15.0	30.5	39.0	8.00	6.00
CSAB1050A-220M	22.0	50.5	60.0	7.00	5.00
CSAB1050A-330M	33.0	73.0	88.0	5.80	4.50
CSAB1050A-470M	47.0	98.5	130	4.50	3.50
CSAB1050A-560M	56.0	123	148	4.20	3.30
CSAB1050A-680M	68.0	134	160	4.00	3.20

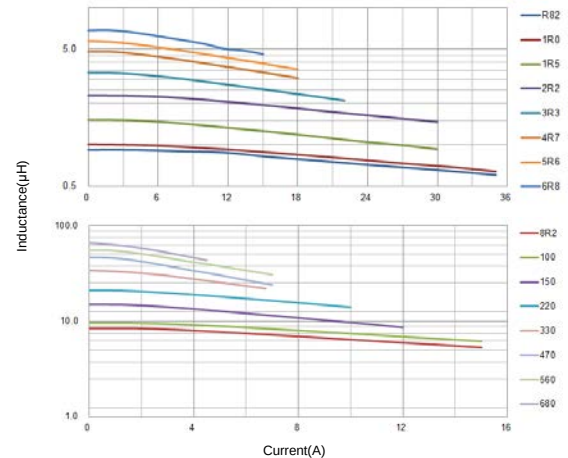
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

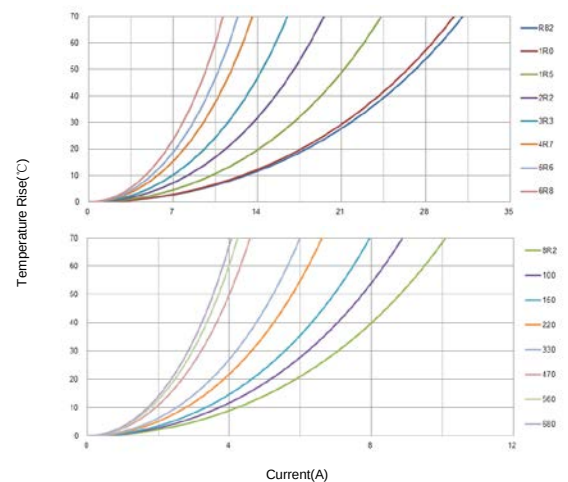
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAB1235A



Operating temperature range : -40℃~+125℃

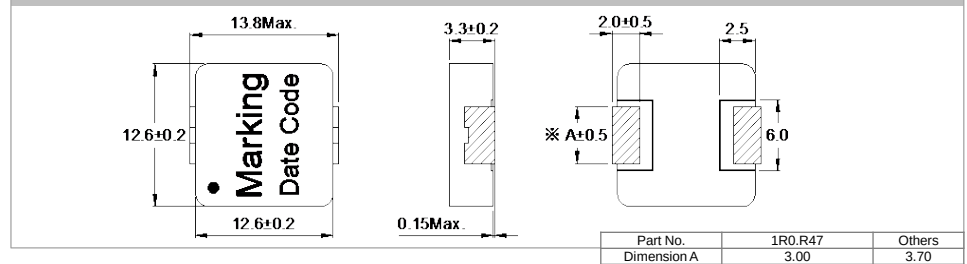
Construction



Wire



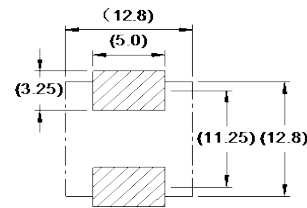
Appearance and Dimensions (mm)



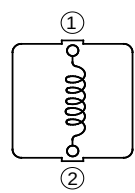
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB1235A-R47M	0.47	1.60	1.90	45.0	30.0
CSAB1235A-R68M	0.68	1.70	2.30	40.0	28.0
CSAB1235A-1R0M	1.00	3.10	3.80	30.0	24.0
CSAB1235A-1R5M	1.50	5.30	6.50	25.0	16.5
CSAB1235A-2R2M	2.20	6.90	8.50	20.0	14.5
CSAB1235A-3R3M	3.30	9.50	13.0	18.0	12.0
CSAB1235A-4R7M	4.70	17.1	19.5	16.0	9.00

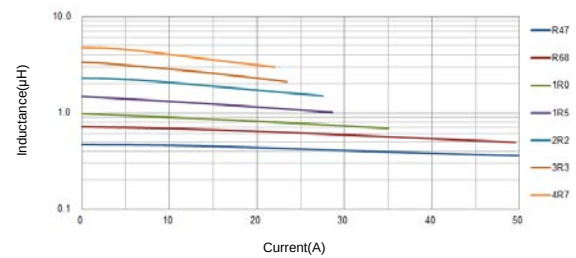
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

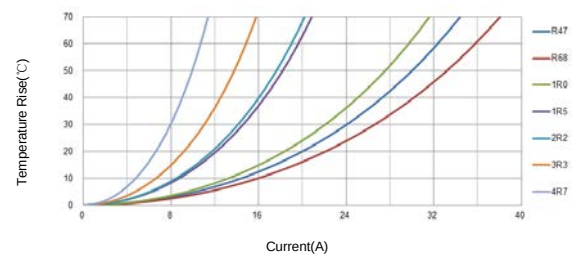
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAB1250A



Operating temperature range : -40℃~+125℃

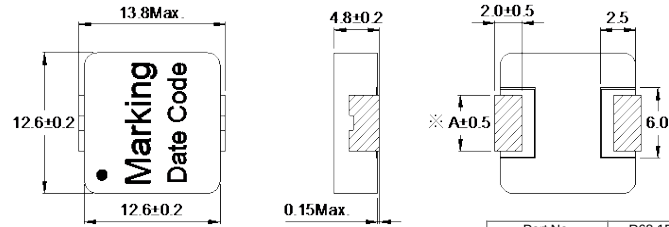
Construction



Wire



Appearance and Dimensions (mm)

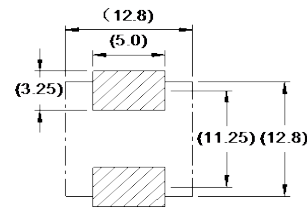


Part No.	R68.1R5.2R2.3R3	Others
Dimension A	3.00	3.70

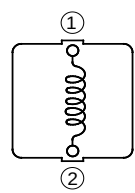
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB1250A-R15M	0.15	0.50	0.60	75.0	50.0
CSAB1250A-R22M	0.22	0.60	0.80	70.0	50.0
CSAB1250A-R33M	0.33	0.75	1.00	60.0	41.0
CSAB1250A-R47M	0.47	1.05	1.20	50.0	35.0
CSAB1250A-R68M	0.68	1.60	1.90	40.0	28.5
CSAB1250A-R80M	0.80	1.80	2.00	40.0	26.5
CSAB1250A-1R0M	1.00	1.95	2.20	37.0	25.5
CSAB1250A-1R5M	1.50	2.60	3.20	33.0	22.0
CSAB1250A-2R2M	2.20	4.40	5.00	32.0	17.0
CSAB1250A-3R3M	3.30	5.30	7.00	22.0	15.5
CSAB1250A-4R7M	4.70	9.80	15.0	18.0	11.4
CSAB1250A-5R6M	5.60	12.1	17.0	17.0	10.2
CSAB1250A-6R8M	6.80	16.3	20.0	15.0	8.80
CSAB1250A-8R2M	8.20	19.1	21.0	13.0	8.10
CSAB1250A-100M	10.0	20.5	22.0	11.0	7.80
CSAB1250A-150M	15.0	32.5	40.0	9.00	6.20
CSAB1250A-220M	22.0	42.0	58.0	6.50	5.50
CSAB1250A-330M	33.0	62.1	84.0	6.00	4.50
CSAB1250A-470M	47.0	96.8	130	5.00	3.60

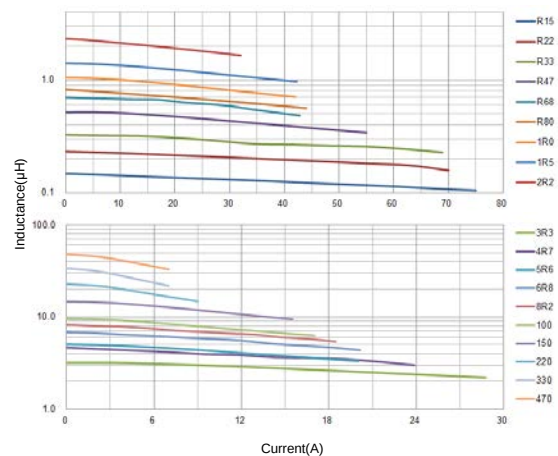
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

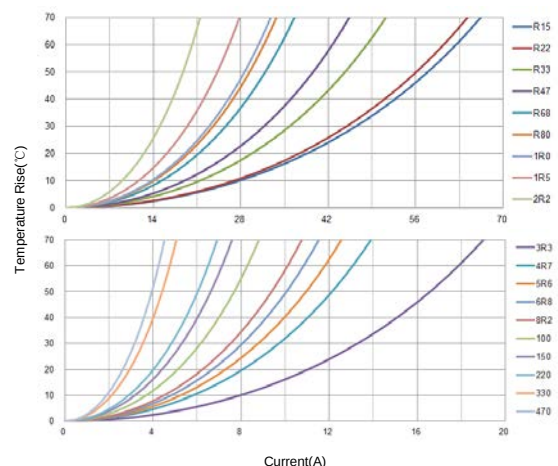
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAB1260A



Operating temperature range : -40℃~+125℃

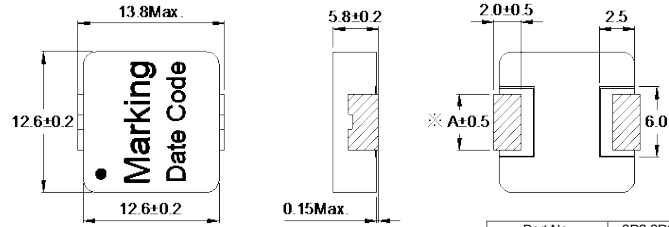
Construction



Wire



Appearance and Dimensions (mm)

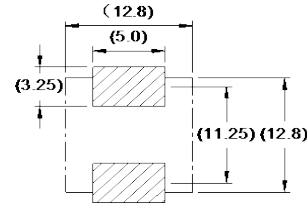


Part No.	2R2.3R0.3R3.4R7.5R6	Others
Dimension A	3.00	3.70

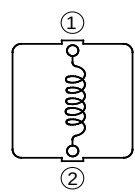
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB1260A-R68M	0.68	1.00	1.20	40.0	40.0
CSAB1260A-1R0M	1.00	1.70	2.10	31.0	30.5
CSAB1260A-1R5M	1.50	2.10	2.90	28.0	27.5
CSAB1260A-2R2M	2.20	3.30	4.20	28.0	22.0
CSAB1260A-3R0M	3.00	5.10	7.60	27.0	17.5
CSAB1260A-3R3M	3.30	5.10	7.60	22.0	17.5
CSAB1260A-4R7M	4.70	6.70	10.0	20.0	15.5
CSAB1260A-5R6M	5.60	8.20	10.0	16.0	12.1
CSAB1260A-6R8M	6.80	11.6	14.0	15.0	11.8
CSAB1260A-8R2M	8.20	12.5	16.0	14.0	11.4
CSAB1260A-100M	10.0	17.4	20.7	13.0	9.60
CSAB1260A-120M	12.0	19.0	23.0	10.0	9.20
CSAB1260A-150M	15.0	23.2	29.0	8.50	8.00
CSAB1260A-180M	18.0	27.0	35.0	8.00	7.70
CSAB1260A-220M	22.0	28.5	39.5	7.50	6.80
CSAB1260A-270M	27.0	43.0	56.0	6.50	6.10
CSAB1260A-330M	33.0	47.7	75.0	6.00	5.30
CSAB1260A-470M	47.0	71.2	90.0	5.50	4.70
CSAB1260A-560M	56.0	92.3	123	5.00	4.10
CSAB1260A-680M	68.0	103	140	4.50	3.90
CSAB1260A-820M	82.0	140	170	4.00	3.30
CSAB1260A-101M	100	160	200	3.50	3.10
CSAB1260A-121M	120	180	235	3.20	2.90

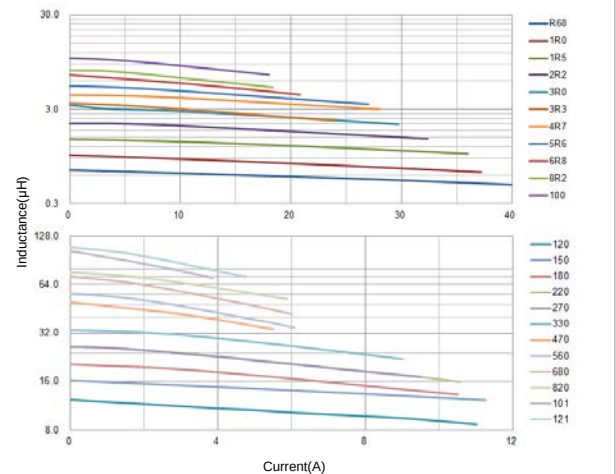
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

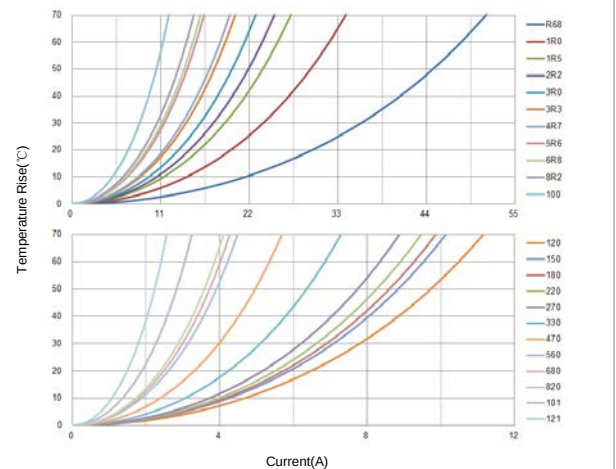
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

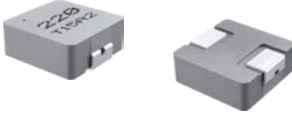
Saturation Current Curve



Temperature Rise Current Curve



CSAB1265A



Operating temperature range : -40℃~+125℃

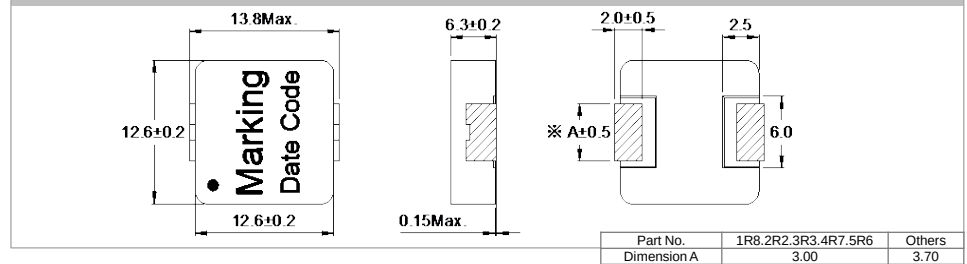
Construction



Wire



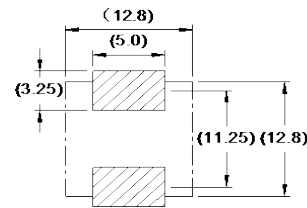
Appearance and Dimensions (mm)



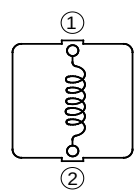
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB1265A-R47M	0.47	1.00	1.20	57.0	40.0
CSAB1265A-1R0M	1.00	1.70	2.10	42.0	31.0
CSAB1265A-1R5M	1.50	2.60	2.90	40.0	25.0
CSAB1265A-1R8M	1.80	3.60	4.00	36.0	21.0
CSAB1265A-2R2M	2.20	3.20	4.20	28.0	22.5
CSAB1265A-3R3M	3.30	4.70	5.80	26.0	18.5
CSAB1265A-4R7M	4.70	6.60	8.70	24.0	15.6
CSAB1265A-5R6M	5.60	10.9	12.5	16.0	12.1
CSAB1265A-6R8M	6.80	11.5	13.5	16.0	11.8
CSAB1265A-8R2M	8.20	12.0	15.5	15.0	11.6
CSAB1265A-100M	10.0	13.3	16.5	14.0	10.0
CSAB1265A-150M	15.0	25.3	29.0	9.00	8.00
CSAB1265A-220M	22.0	35.0	39.5	8.50	6.80
CSAB1265A-330M	33.0	57.0	69.0	8.00	5.30
CSAB1265A-470M	47.0	56.2	68.0	7.50	5.30
CSAB1265A-560M	56.0	111	123	5.00	3.80
CSAB1265A-680M	68.0	125	150	4.50	3.50

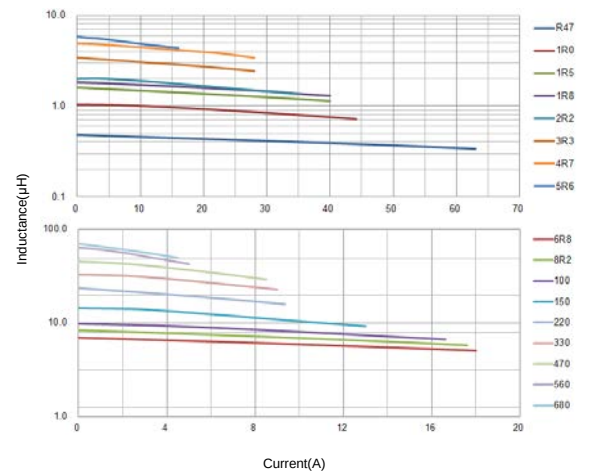
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

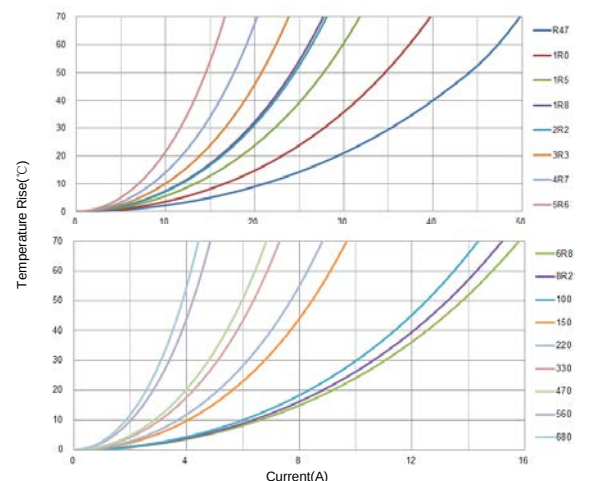
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



AEC-Q200

CSAB1770



Operating temperature range : -40℃~+125℃

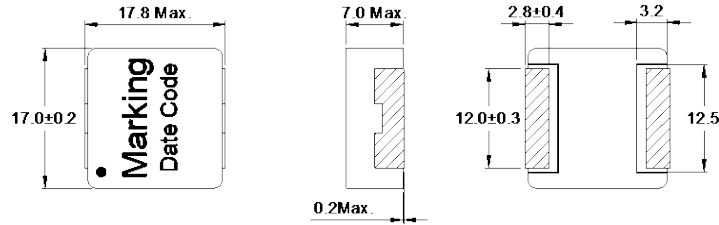
Construction



Wire



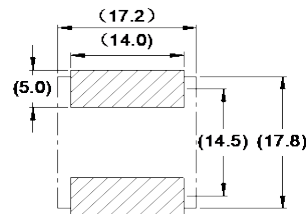
Appearance and Dimensions (mm)



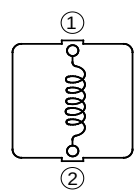
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB1770-R68M	0.68	1.60	2.00	57.0	35.0
CSAB1770-1R0M	1.00	1.60	2.00	41.0	35.0
CSAB1770-1R5M	1.50	1.80	2.20	40.0	33.0
CSAB1770-2R2M	2.20	2.20	2.50	34.0	30.0
CSAB1770-3R3M	3.30	4.20	4.80	30.0	22.0
CSAB1770-4R7M	4.70	4.20	4.80	24.0	22.0
CSAB1770-6R8M	6.80	6.80	7.55	22.0	17.0
CSAB1770-8R2M	8.20	7.75	8.70	20.0	16.0
CSAB1770-100M	10.0	9.10	11.2	18.0	14.9
CSAB1770-150M	15.0	19.2	23.0	14.5	10.3
CSAB1770-200M	20.0	20.4	23.0	12.0	10.0
CSAB1770-220M	22.0	19.9	23.0	11.0	9.50
CSAB1770-330M	33.0	30.2	37.0	10.0	8.20
CSAB1770-470M	47.0	40.0	47.0	7.50	7.10
CSAB1770-560M	56.0	47.8	58.0	7.00	6.50
CSAB1770-680M	68.0	52.8	60.0	6.50	6.20
CSAB1770-151M	150	128	160	4.50	2.50

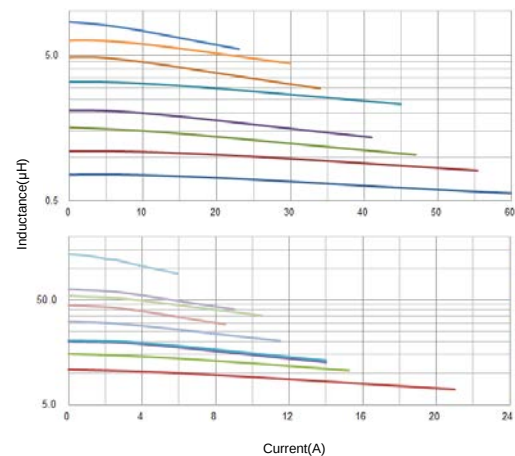
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

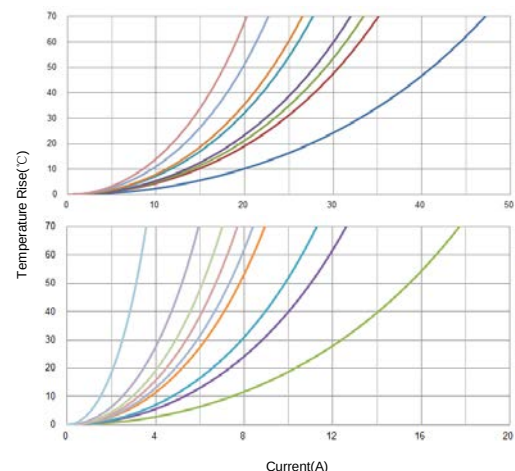
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

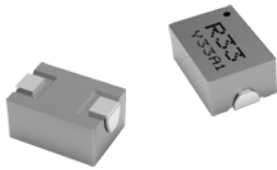
Saturation Current Curve



Temperature Rise Current Curve



CSAB107050



Operating temperature range : -40℃~+125℃

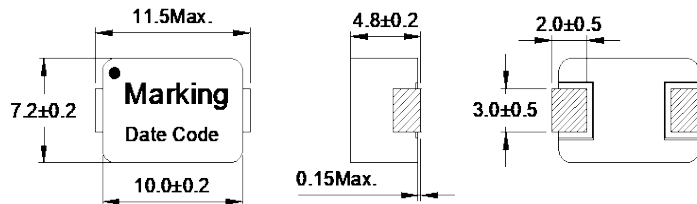
Construction



Wire



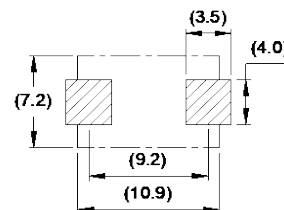
Appearance and Dimensions (mm)



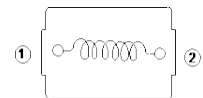
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB107050-R15M	0.15	0.70	0.85	60.0	18.0
CSAB107050-R22M	0.22	0.90	1.10	55.0	17.0
CSAB107050-R33M	0.33	1.00	1.20	50.0	16.5

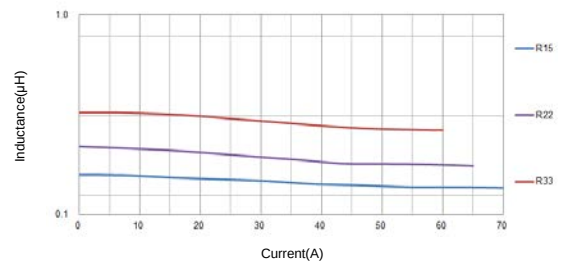
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

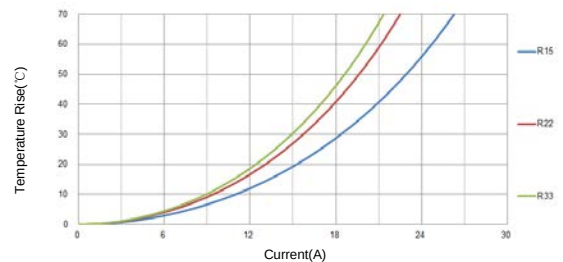
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

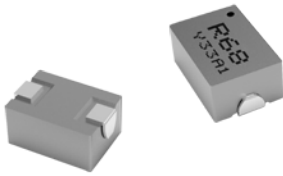
Saturation Current Curve



Temperature Rise Current Curve



CSAB128050



Operating temperature range : -40℃~+125℃

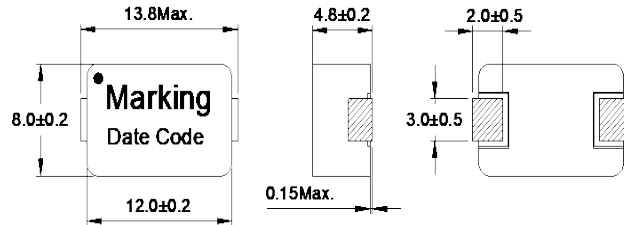
Construction



Wire



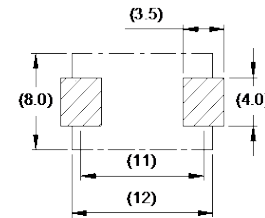
Appearance and Dimensions (mm)



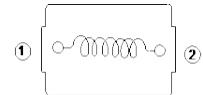
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAB128050-R22M	0.22	0.65	0.78	65.0	20.0
CSAB128050-R47M	0.47	1.35	1.60	40.0	18.0
CSAB128050-R56M	0.56	1.50	1.80	35.0	17.0

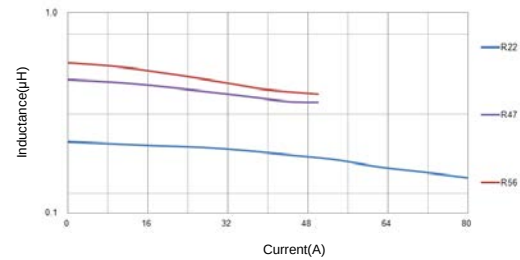
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

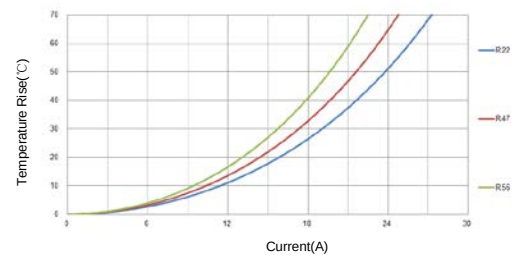
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC0420



Operating temperature range : -40℃~+125℃

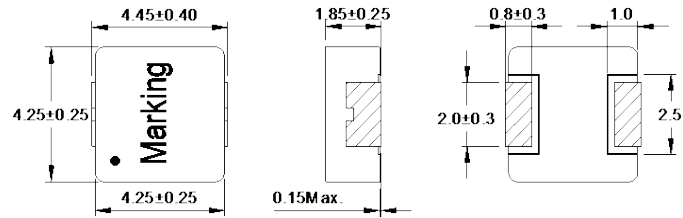
Construction



Wire



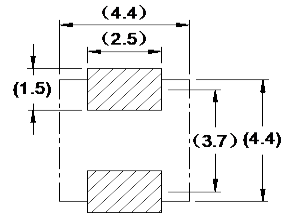
Appearance and Dimensions (mm)



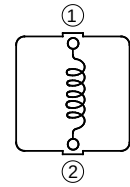
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC0420-R10M	0.10	3.50	4.00	30.0	12.0
CSAC0420-R22M	0.22	5.30	6.60	18.0	11.0
CSAC0420-R33M	0.33	7.20	8.40	16.0	10.0
CSAC0420-R47M	0.47	12.5	14.0	12.0	7.20
CSAC0420-R56M	0.56	13.5	16.0	10.5	7.00
CSAC0420-R68M	0.68	15.0	18.0	10.0	6.90
CSAC0420-1R0M	1.00	24.0	27.0	9.00	6.20
CSAC0420-1R5M	1.50	34.5	46.0	7.20	4.50
CSAC0420-2R2M	2.20	50.0	60.0	6.50	4.00
CSAC0420-3R3M	3.30	72.0	85.0	5.00	3.50
CSAC0420-4R7M	4.70	98.0	115	3.60	2.60
CSAC0420-6R8M	6.80	165	175	3.00	2.40
CSAC0420-8R2M	8.20	187	220	2.50	2.00
CSAC0420-100M	10.0	260	280	2.20	1.60

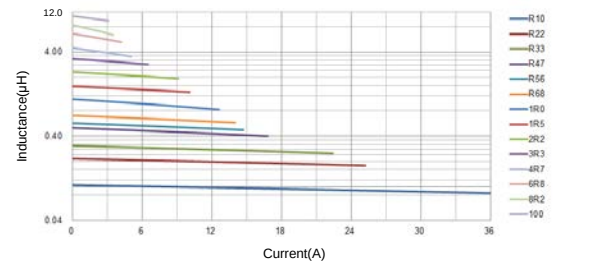
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

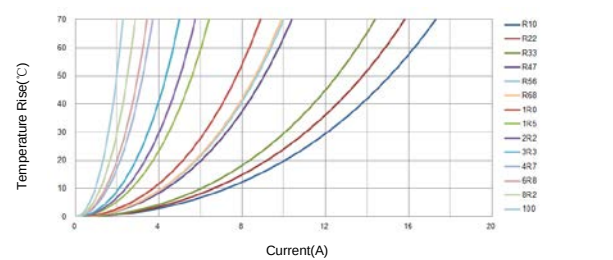
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC0518



Operating temperature range : -40℃~+125℃

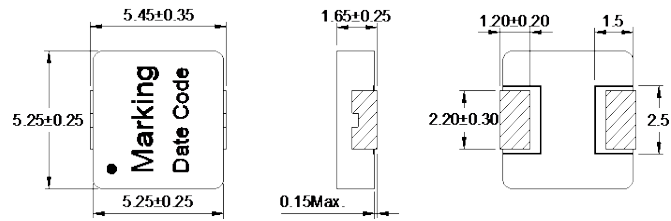
Construction



Wire



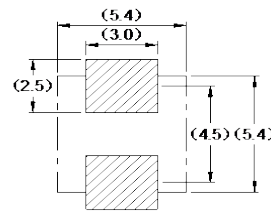
Appearance and Dimensions (mm)



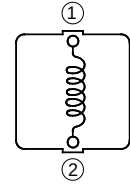
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC0518-R10M	0.10	3.60	4.20	35.0	16.0
CSAC0518-R22M	0.22	4.90	5.50	20.0	15.0
CSAC0518-R33M	0.33	7.30	8.20	19.0	12.0
CSAC0518-R47M	0.47	8.70	9.80	16.0	10.5
CSAC0518-R56M	0.56	9.00	10.2	14.0	9.50
CSAC0518-R68M	0.68	12.0	13.5	13.5	9.20
CSAC0518-R82M	0.82	15.3	18.6	12.2	8.00
CSAC0518-1R0M	1.00	17.5	20.0	12.0	7.20
CSAC0518-1R2M	1.20	22.5	28.0	9.50	6.20
CSAC0518-1R5M	1.50	32.0	36.0	9.00	5.50
CSAC0518-2R2M	2.20	44.5	50.0	8.00	4.50
CSAC0518-3R3M	3.30	57.0	65.0	6.00	4.00
CSAC0518-4R7M	4.70	89.0	105.0	5.00	3.20
CSAC0518-5R6M	5.60	96.0	119.0	4.50	2.70

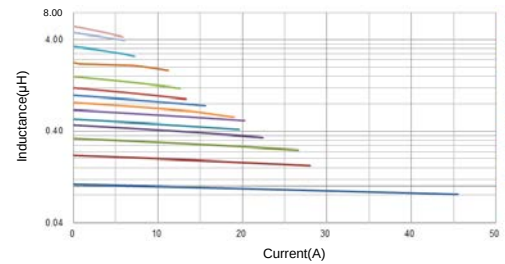
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

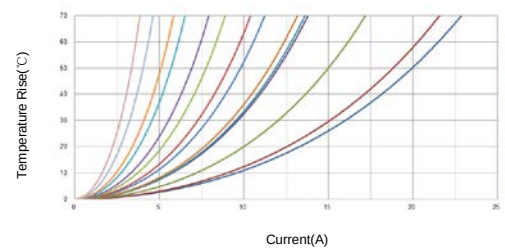
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC0530



Operating temperature range : -40℃~+125℃

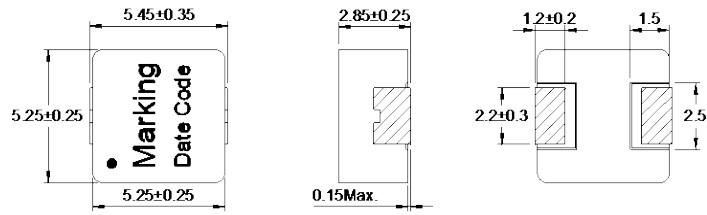
Construction



Wire



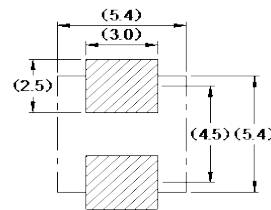
Appearance and Dimensions (mm)



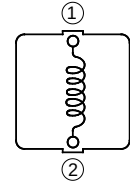
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC0530-R10M	0.10	2.80	3.20	33.0	23.0
CSAC0530-R22M	0.22	4.20	4.60	23.0	15.5
CSAC0530-R33M	0.33	5.30	5.80	20.0	13.7
CSAC0530-R47M	0.47	6.90	7.80	14.0	11.0
CSAC0530-R68M	0.68	9.30	12.0	13.0	9.50
CSAC0530-R82M	0.82	10.2	13.0	13.0	9.30
CSAC0530-1R0M	1.00	13.3	14.6	12.5	8.50
CSAC0530-1R2M	1.20	14.8	16.2	11.2	7.50
CSAC0530-1R5M	1.50	17.0	23.0	10.8	6.80
CSAC0530-2R2M	2.20	28.0	33.0	9.50	5.80
CSAC0530-3R3M	3.30	40.5	48.0	8.00	5.00
CSAC0530-4R7M	4.70	61.4	69.5	7.80	4.00
CSAC0530-5R6M	5.60	76.5	88.0	4.50	3.50
CSAC0530-6R8M	6.80	83.4	102	4.30	3.20
CSAC0530-8R2M	8.20	117	135	4.20	2.80
CSAC0530-100M	10.0	138	156	4.00	2.50
CSAC0530-150M	15.0	248	278	3.50	1.90
CSAC0530-220M	22.0	290	348	3.00	1.70

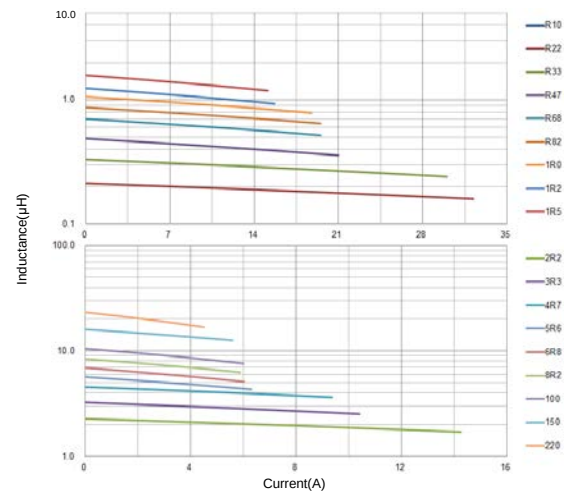
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

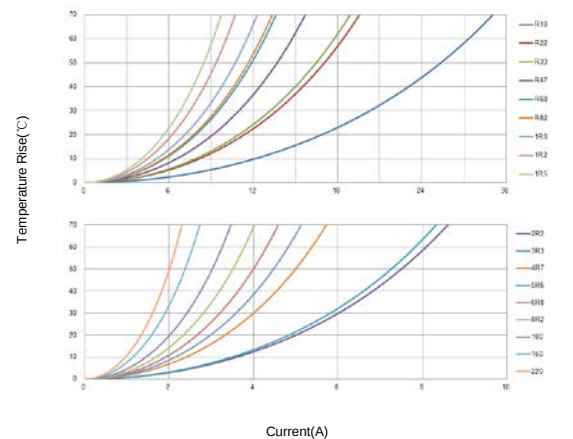
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC0718



Operating temperature range : -40℃~+125℃

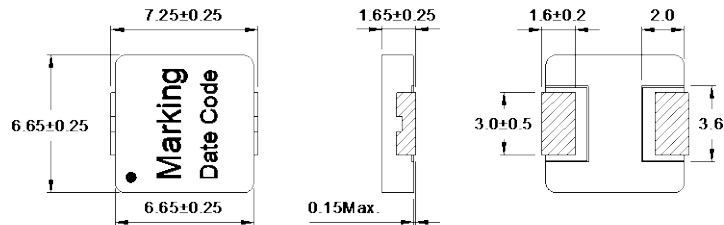
Construction



Wire



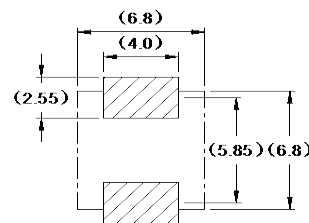
Appearance and Dimensions (mm)



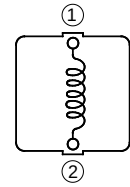
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC0718-R10M	0.10	2.20	2.50	38.0	18.5
CSAC0718-R15M	0.15	3.00	3.80	33.0	17.0
CSAC0718-R22M	0.22	4.20	5.00	27.0	15.0
CSAC0718-R33M	0.33	6.90	8.00	23.0	11.5
CSAC0718-R47M	0.47	8.00	9.20	19.0	11.0
CSAC0718-R56M	0.56	10.3	12.0	18.0	10.5
CSAC0718-R68M	0.68	11.6	14.0	16.0	9.50
CSAC0718-R82M	0.82	13.2	15.8	15.0	8.50
CSAC0718-1R0M	1.00	15.6	18.0	14.5	7.00
CSAC0718-1R5M	1.50	28.5	32.0	9.50	5.50
CSAC0718-2R2M	2.20	40.0	45.0	9.00	5.00
CSAC0718-3R3M	3.30	49.5	57.0	7.00	4.20
CSAC0718-4R7M	4.70	69.5	78.0	5.60	3.60
CSAC0718-6R8M	6.80	98.4	110	5.20	3.00

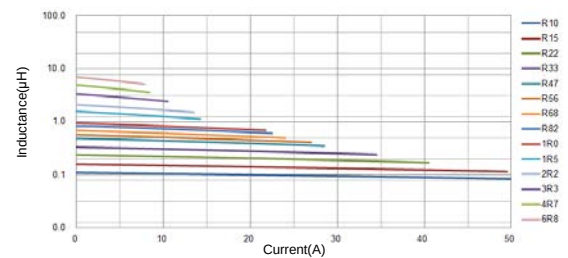
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

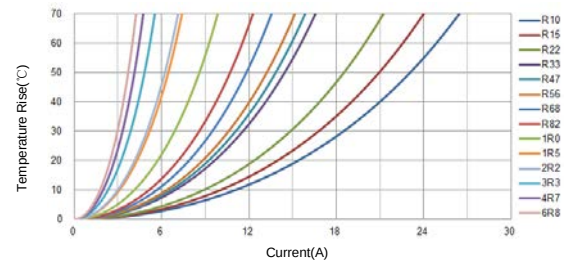
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC0724



Operating temperature range : -40℃~+125℃

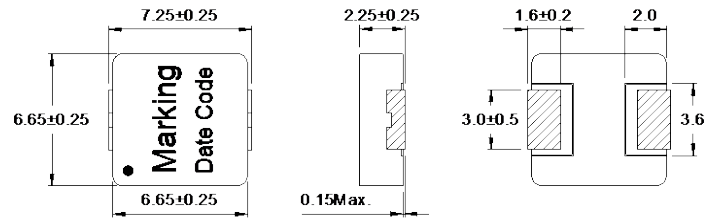
Construction



Wire



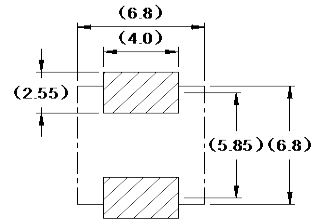
Appearance and Dimensions (mm)



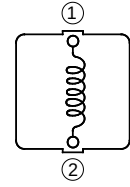
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC0724-R22M	0.22	2.80	3.20	32.0	21.0
CSAC0724-1R0M	1.00	11.5	13.5	16.0	9.50
CSAC0724-1R5M	1.50	18.0	21.0	13.5	8.00
CSAC0724-2R2M	2.20	25.8	28.5	11.5	7.00
CSAC0724-2R7M	2.70	33.2	38.0	9.50	6.00
CSAC0724-3R3M	3.30	39.5	46.0	9.00	5.50
CSAC0724-4R7M	4.70	43.5	50.0	7.50	5.00
CSAC0724-6R8M	6.80	76.5	88.0	6.00	4.20
CSAC0724-8R2M	8.20	93.5	110	5.50	3.50
CSAC0724-100M	10.0	106	125	4.50	3.00

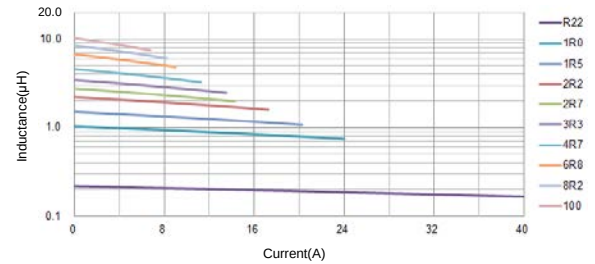
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

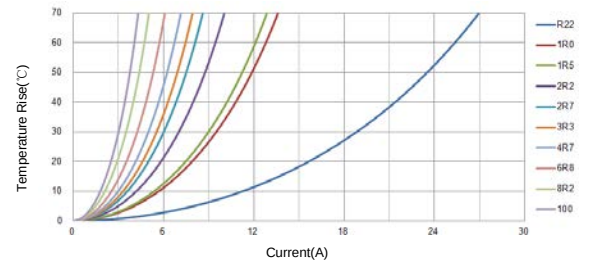
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC0730



Operating temperature range : -40℃~+125℃

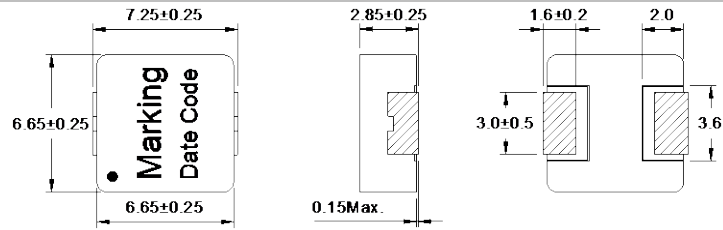
Construction



Wire



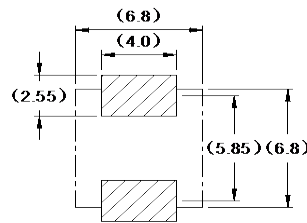
Appearance and Dimensions (mm)



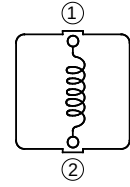
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC0730-R10M	0.10	0.80	1.20	60.0	35.0
CSAC0730-R15M	0.15	2.00	2.50	52.0	27.0
CSAC0730-R22M	0.22	2.70	3.20	35.0	21.0
CSAC0730-R33M	0.33	3.90	4.30	33.0	19.0
CSAC0730-R47M	0.47	4.20	4.70	26.0	17.0
CSAC0730-R68M	0.68	4.90	5.50	20.0	15.5
CSAC0730-R82M	0.82	6.40	7.50	19.0	14.0
CSAC0730-1R0M	1.00	8.00	9.60	18.0	12.0
CSAC0730-1R5M	1.50	11.6	14.0	17.0	9.00
CSAC0730-2R2M	2.20	15.8	18.0	14.0	8.00
CSAC0730-3R3M	3.30	26.0	30.0	12.0	6.50
CSAC0730-4R7M	4.70	34.0	40.0	10.0	5.50
CSAC0730-5R6M	5.60	42.2	47.0	9.00	5.00
CSAC0730-6R8M	6.80	51.5	60.0	8.00	4.50
CSAC0730-8R2M	8.20	57.5	68.0	7.00	4.20
CSAC0730-100M	10.0	65.5	78.0	6.00	3.50
CSAC0730-150M	15.0	97.5	115	4.80	3.00
CSAC0730-220M	22.0	140	180	4.00	2.50
CSAC0730-330M	33.0	215	253	3.00	2.20

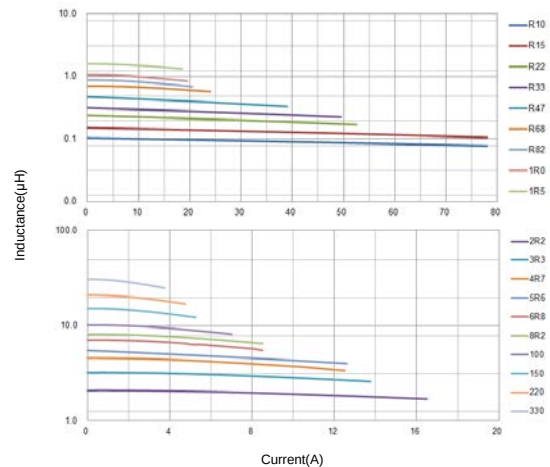
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

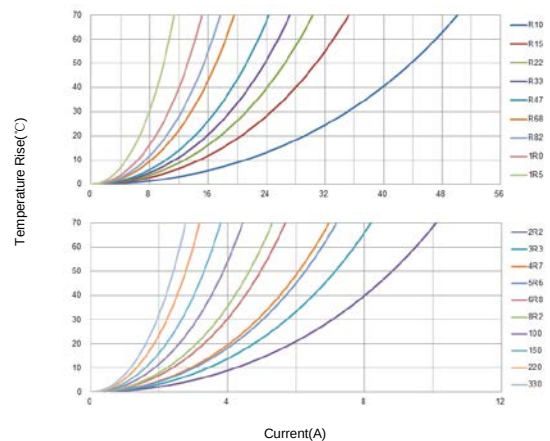
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC0740



Operating temperature range : -40℃~+125℃

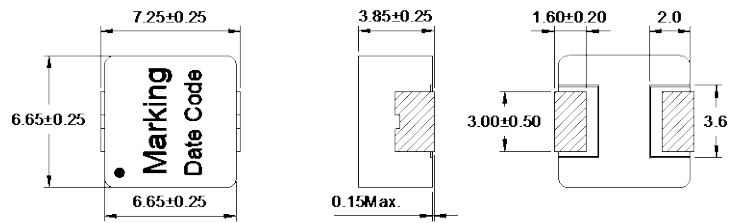
Construction



Wire



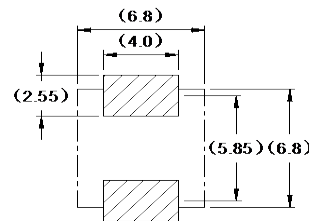
Appearance and Dimensions (mm)



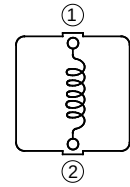
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC0740-R15M	0.15	1.90	2.30	55.0	28.0
CSAC0740-R22M	0.22	2.50	3.00	35.0	22.0
CSAC0740-R33M	0.33	3.60	4.00	32.0	19.0
CSAC0740-R47M	0.47	4.00	4.60	24.0	17.5
CSAC0740-R68M	0.68	4.50	5.20	20.0	15.6
CSAC0740-1R0M	1.00	7.00	8.20	17.0	12.0
CSAC0740-1R5M	1.50	9.20	10.0	13.0	11.0
CSAC0740-2R2M	2.20	13.0	15.5	12.5	10.0
CSAC0740-2R7M	2.70	15.9	18.2	12.0	9.00
CSAC0740-3R3M	3.30	19.0	23.0	10.8	8.00
CSAC0740-4R7M	4.70	32.5	36.0	10.0	6.00
CSAC0740-5R6M	5.60	35.5	40.0	9.00	5.50
CSAC0740-6R8M	6.80	40.2	49.5	8.30	5.30
CSAC0740-8R2M	8.20	53.0	64.0	6.50	4.50
CSAC0740-100M	10.0	69.6	78.0	6.00	4.00
CSAC0740-150M	15.0	97.0	113	4.80	3.00
CSAC0740-220M	22.0	119	145	4.00	2.70
CSAC0740-330M	33.0	231	260	3.50	2.20
CSAC0740-390M	39.0	253	280	3.00	2.00
CSAC0740-470M	47.0	284	340	2.70	1.60

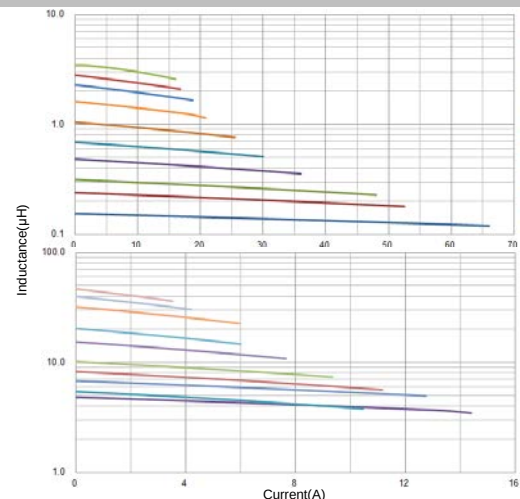
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

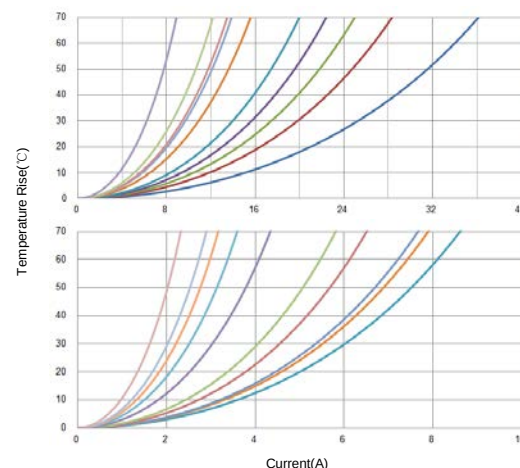
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC0750



Operating temperature range : -40℃~+125℃

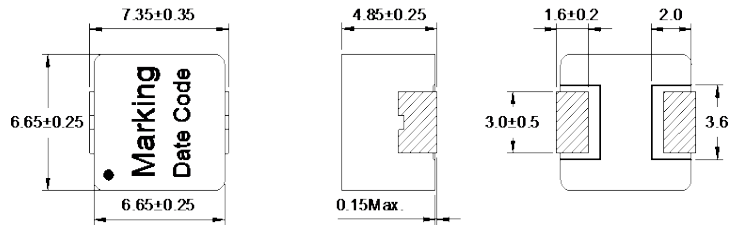
Construction



Wire



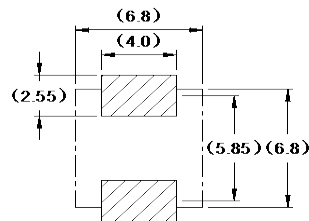
Appearance and Dimensions (mm)



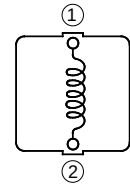
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC0750-R22M	0.22	2.50	3.00	33.0	26.0
CSAC0750-R33M	0.33	3.40	3.90	32.0	24.0
CSAC0750-R47M	0.47	3.50	4.00	24.0	20.5
CSAC0750-R56M	0.56	3.80	4.20	21.5	20.0
CSAC0750-R68M	0.68	4.40	5.00	18.0	17.0
CSAC0750-R82M	0.82	5.20	5.80	16.5	16.0
CSAC0750-1R0M	1.00	6.00	6.80	15.5	15.0
CSAC0750-1R5M	1.50	8.40	9.20	13.0	12.0
CSAC0750-2R2M	2.20	12.2	14.0	12.0	10.0
CSAC0750-3R3M	3.30	18.9	20.9	11.0	8.00
CSAC0750-4R7M	4.70	25.0	30.2	10.0	6.50
CSAC0750-5R6M	5.60	30.8	38.5	9.00	6.00
CSAC0750-6R8M	6.80	40.3	48.5	8.70	5.50
CSAC0750-8R2M	8.20	53.0	63.0	8.30	5.00
CSAC0750-100M	10.0	60.2	69.0	7.60	4.50
CSAC0750-150M	15.0	82.2	94.5	7.00	3.50
CSAC0750-220M	22.0	115	145	4.00	2.70
CSAC0750-330M	33.0	187	215	3.50	2.20
CSAC0750-470M	47.0	284	330	3.00	1.90
CSAC0750-560M	56.0	330	380	2.50	1.60

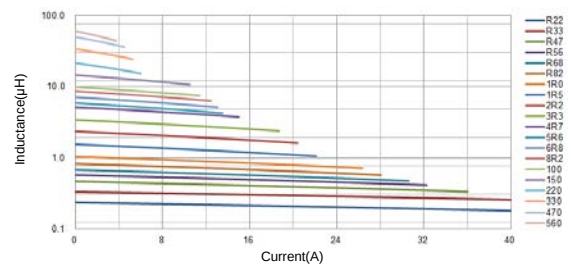
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

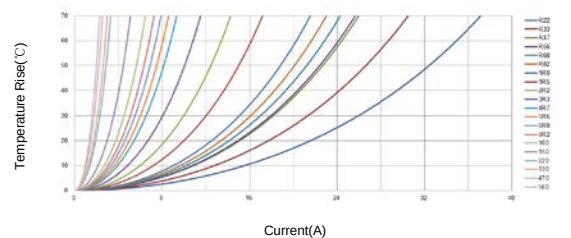
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC1030



Operating temperature range : -40℃~+125℃

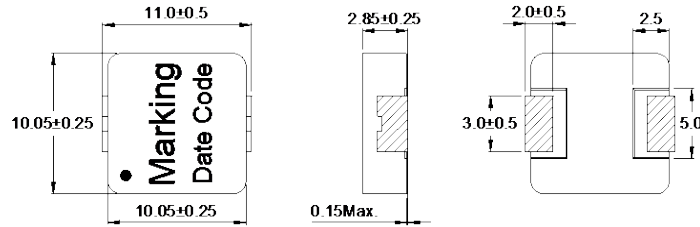
Construction



Wire



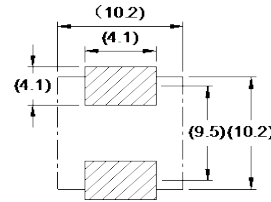
Appearance and Dimensions (mm)



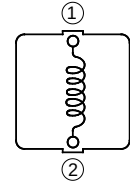
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC1030-R15M	0.15	0.85	1.10	52.0	34.0
CSAC1030-R22M	0.22	1.10	1.40	45.0	30.0
CSAC1030-R36M	0.36	1.50	1.80	42.0	26.0
CSAC1030-R47M	0.47	2.05	2.50	33.0	20.0
CSAC1030-R56M	0.56	2.30	2.85	30.0	19.0
CSAC1030-1R0M	1.00	5.60	6.20	22.0	14.0
CSAC1030-1R5M	1.50	7.80	8.60	20.0	13.0
CSAC1030-2R2M	2.20	10.7	12.3	15.0	11.0
CSAC1030-3R3M	3.30	18.5	21.5	13.5	8.50
CSAC1030-4R7M	4.70	23.5	27.0	12.0	7.00
CSAC1030-5R6M	5.60	32.0	35.0	10.5	6.50
CSAC1030-6R8M	6.80	39.8	44.0	9.00	5.80
CSAC1030-100M	10.0	56.0	61.0	8.00	5.30
CSAC1030-150M	15.0	73.5	84.0	7.00	4.00

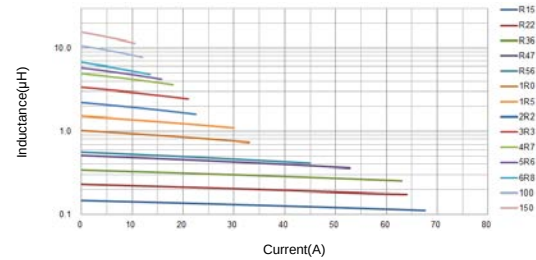
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

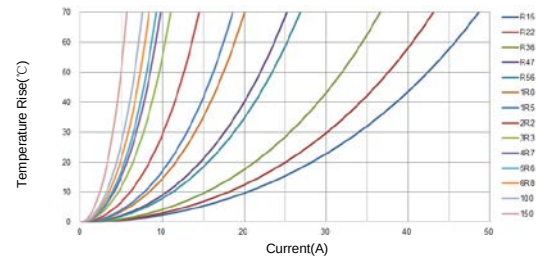
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC1040



Operating temperature range : -40℃~+125℃

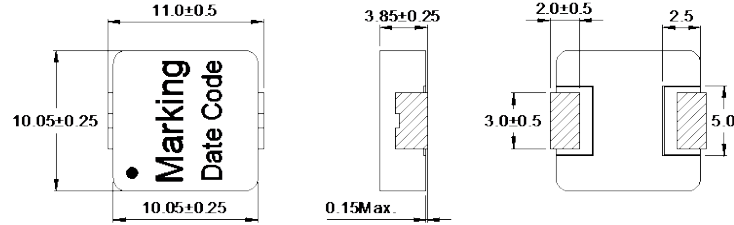
Construction



Wire



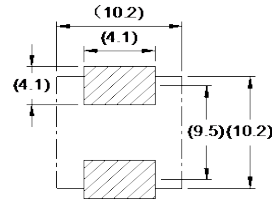
Appearance and Dimensions (mm)



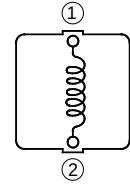
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC1040-R15M	0.15	0.60	0.75	70.0	42.0
CSAC1040-R22M	0.22	0.75	0.90	55.0	37.0
CSAC1040-R36M	0.36	1.30	1.55	45.0	28.0
CSAC1040-R47M	0.47	1.58	1.80	40.0	26.0
CSAC1040-R56M	0.56	1.65	1.90	35.0	25.5
CSAC1040-R68M	0.68	2.10	2.40	30.0	23.0
CSAC1040-1R0M	1.00	3.00	3.50	25.0	20.0
CSAC1040-1R5M	1.50	4.20	4.60	25.0	18.0
CSAC1040-2R2M	2.20	7.70	8.80	23.0	12.0
CSAC1040-3R3M	3.30	11.8	14.0	16.0	10.5
CSAC1040-4R7M	4.70	17.0	20.0	13.0	9.00
CSAC1040-5R6M	5.60	18.5	22.0	12.0	8.00
CSAC1040-6R8M	6.80	21.5	25.0	12.0	7.70
CSAC1040-8R2M	8.20	27.6	32.0	11.0	7.30
CSAC1040-100M	10.0	32.0	36.5	10.0	6.80
CSAC1040-150M	15.0	44.5	52.0	9.00	6.30
CSAC1040-220M	22.0	65.5	75.0	7.20	4.70
CSAC1040-330M	33.0	104	120	6.00	3.80
CSAC1040-470M	47.0	172	198	5.00	3.10
CSAC1040-680M	68.0	277	310	4.50	2.40

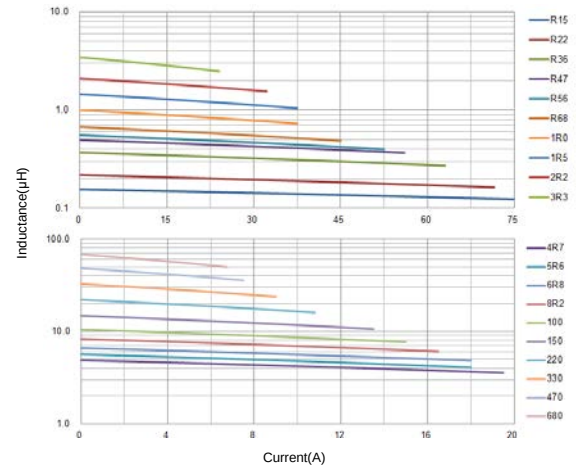
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

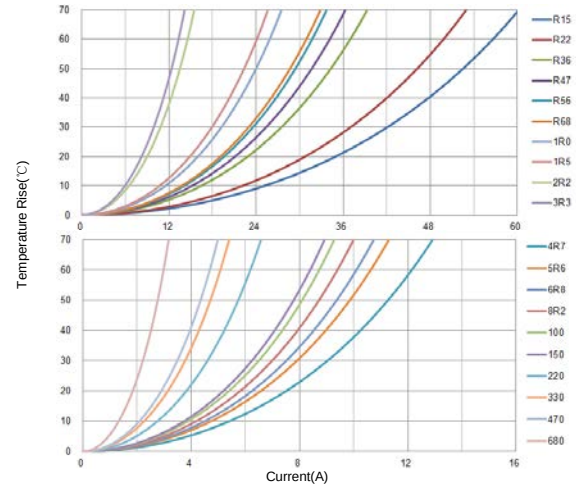
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC1050



Operating temperature range : -40℃~+125℃

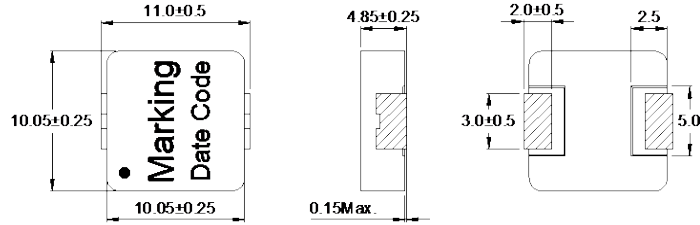
Construction



Wire



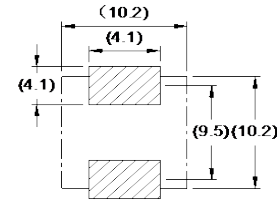
Appearance and Dimensions (mm)



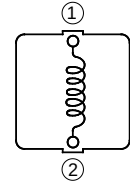
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC1050-R82M	0.82	2.40	2.80	35.0	22.5
CSAC1050-1R0M	1.00	2.70	3.20	34.0	21.5
CSAC1050-1R5M	1.50	4.30	5.50	28.0	18.0
CSAC1050-2R2M	2.20	5.40	6.80	26.0	15.0
CSAC1050-3R3M	3.30	9.60	11.5	22.0	11.5
CSAC1050-4R7M	4.70	14.0	16.3	18.5	10.0
CSAC1050-5R6M	5.60	18.6	20.8	18.0	8.70
CSAC1050-6R8M	6.80	21.8	24.0	14.2	8.00
CSAC1050-8R2M	8.20	23.0	28.0	13.0	7.50
CSAC1050-100M	10.0	28.5	31.5	12.0	6.90
CSAC1050-150M	15.0	45.0	49.5	10.0	5.50
CSAC1050-220M	22.0	66.2	72.8	8.00	4.90
CSAC1050-330M	33.0	91.6	102	7.20	4.00
CSAC1050-470M	47.0	119	138	6.30	3.50

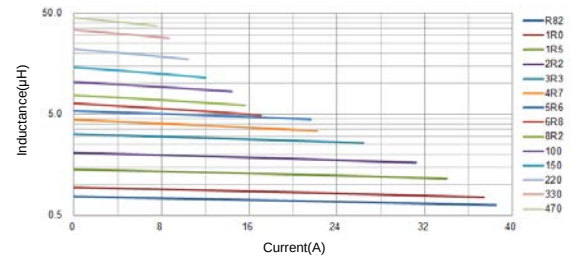
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

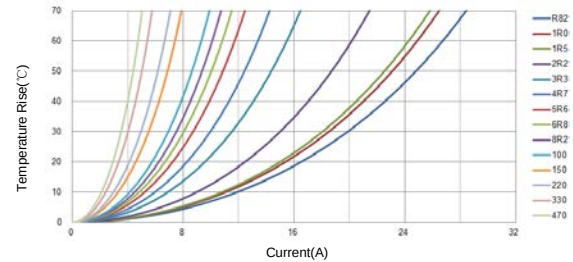
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC1235



Operating temperature range : -40℃~+125℃

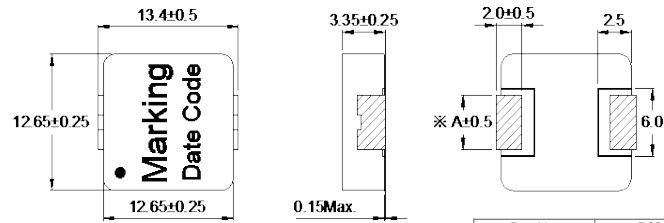
Construction



Wire



Appearance and Dimensions (mm)

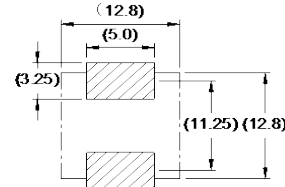


Part No.	R68,1R0,1R5	Others
Dimension A	3.00	3.70

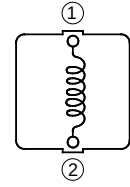
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC1235-R47M	0.47	1.65	2.00	45.0	30.0
CSAC1235-R68M	0.68	2.45	2.80	40.0	28.0
CSAC1235-1R0M	1.00	3.30	3.80	35.0	24.0
CSAC1235-1R5M	1.50	4.40	5.30	26.0	19.0
CSAC1235-2R2M	2.20	8.00	8.60	25.0	14.0
CSAC1235-3R3M	3.30	12.3	15.0	18.0	12.0
CSAC1235-4R7M	4.70	17.5	20.5	14.5	9.60
CSAC1235-5R6M	5.60	20.0	24.0	13.0	9.20
CSAC1235-6R8M	6.80	23.5	27.0	12.5	8.70
CSAC1235-8R2M	8.20	29.5	33.5	11.3	8.00
CSAC1235-100M	10.0	36.5	42.0	10.5	7.00

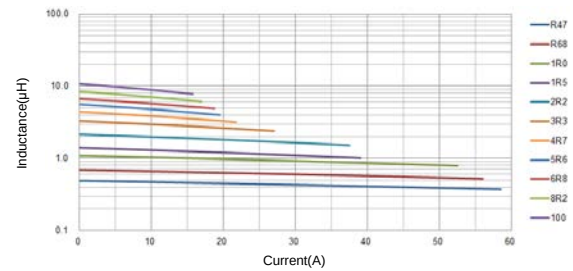
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

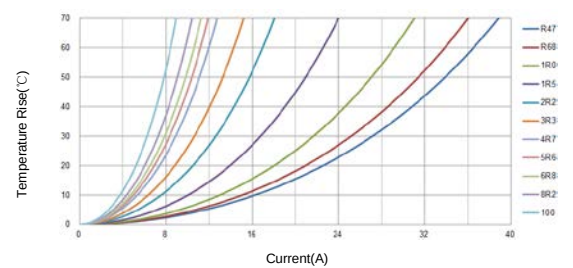
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

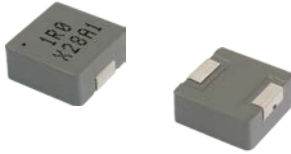
Saturation Current Curve



Temperature Rise Current Curve



CSAC1250



Operating temperature range : -40℃~+125℃

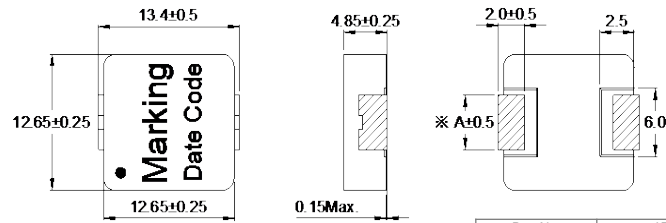
Construction



Wire



Appearance and Dimensions (mm)

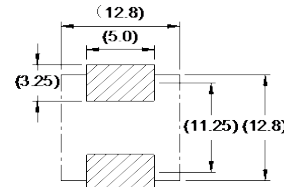


Part No.	1R5,2R2	Others
Dimension A	3.00	3.70

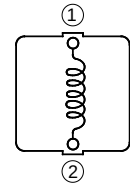
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC1250-R22M	0.22	0.64	0.78	80.0	47.0
CSAC1250-R33M	0.33	0.85	1.10	65.0	42.0
CSAC1250-R47M	0.47	1.20	1.40	60.0	35.0
CSAC1250-R68M	0.68	1.40	1.70	54.0	33.0
CSAC1250-R82M	0.82	1.75	2.10	48.0	31.0
CSAC1250-1R0M	1.00	2.15	2.50	40.0	26.0
CSAC1250-1R5M	1.50	3.30	3.80	38.0	21.5
CSAC1250-2R2M	2.20	4.40	5.30	26.0	20.0
CSAC1250-3R3M	3.30	7.90	9.20	25.0	15.0
CSAC1250-4R7M	4.70	13.5	15.8	22.0	11.5
CSAC1250-5R6M	5.60	15.0	17.5	20.0	10.5
CSAC1250-6R8M	6.80	16.5	20.0	18.0	10.0
CSAC1250-8R2M	8.20	19.0	22.5	16.0	9.00
CSAC1250-100M	10.0	22.0	26.0	12.0	8.00
CSAC1250-150M	15.0	40.7	53.0	10.0	6.50
CSAC1250-220M	22.0	52.0	58.0	9.00	5.50
CSAC1250-330M	33.0	76.0	87.0	7.50	4.00
CSAC1250-470M	47.0	94.5	110	6.50	3.50

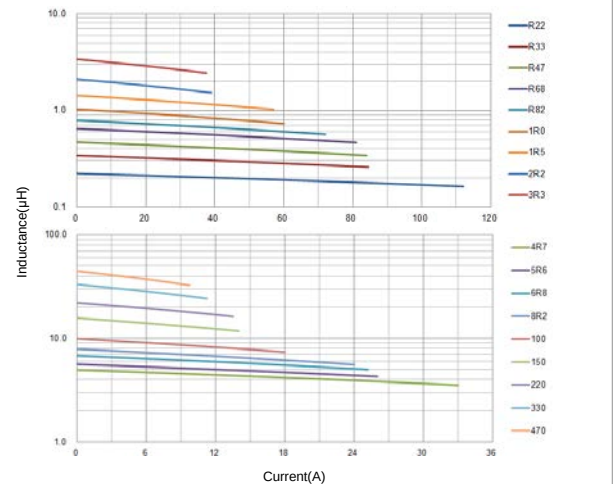
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

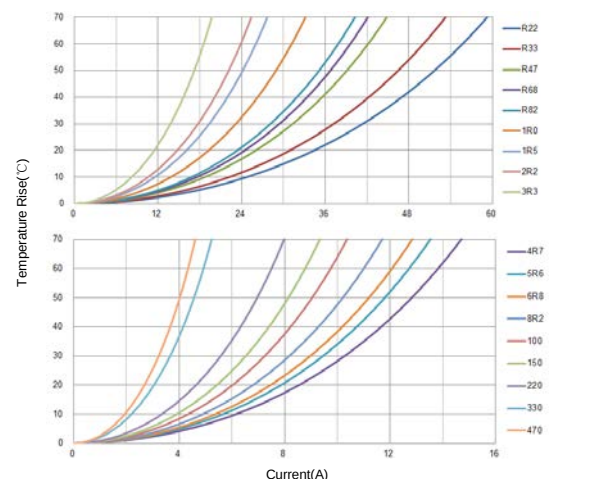
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CSAC1265



Operating temperature range : -40℃~+125℃

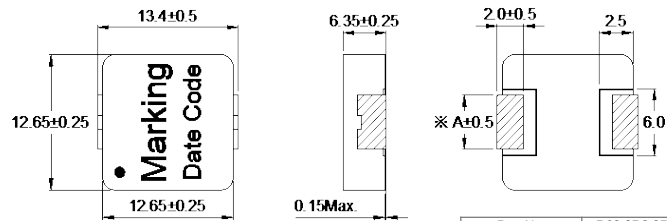
Construction



Wire



Appearance and Dimensions (mm)

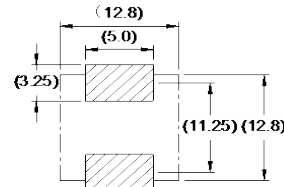


Part No.	R68.2R2.3R3.4R7.5R6	Others
Dimension A	3.00	3.70

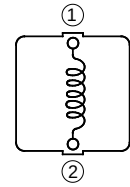
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC1265-R33M	0.33	0.82	0.95	65.0	46.0
CSAC1265-R47M	0.47	1.05	1.25	63.0	41.0
CSAC1265-R56M	0.56	1.25	1.48	62.0	35.0
CSAC1265-R68M	0.68	1.52	1.78	60.0	34.0
CSAC1265-R82M	0.82	1.60	1.90	50.0	33.0
CSAC1265-1R0M	1.00	1.70	2.10	46.0	31.0
CSAC1265-1R5M	1.50	2.60	3.00	42.0	27.0
CSAC1265-1R8M	1.80	2.70	3.20	40.0	25.0
CSAC1265-2R2M	2.20	3.60	4.20	37.0	22.0
CSAC1265-3R3M	3.30	5.30	6.50	30.0	18.0
CSAC1265-4R7M	4.70	7.60	8.70	28.0	14.0
CSAC1265-5R6M	5.60	8.40	10.0	26.0	13.5
CSAC1265-6R8M	6.80	11.8	13.5	22.0	12.0
CSAC1265-8R2M	8.20	15.8	18.5	20.0	10.5
CSAC1265-100M	10.0	18.6	22.0	18.0	10.0
CSAC1265-150M	15.0	26.0	30.0	12.0	8.50
CSAC1265-220M	22.0	38.5	44.0	11.0	7.00
CSAC1265-330M	33.0	63.5	73.0	9.00	5.50
CSAC1265-470M	47.0	91.5	105	7.00	5.00
CSAC1265-560M	56.0	114	135	6.20	4.00
CSAC1265-680M	68.0	135	160	5.50	3.50

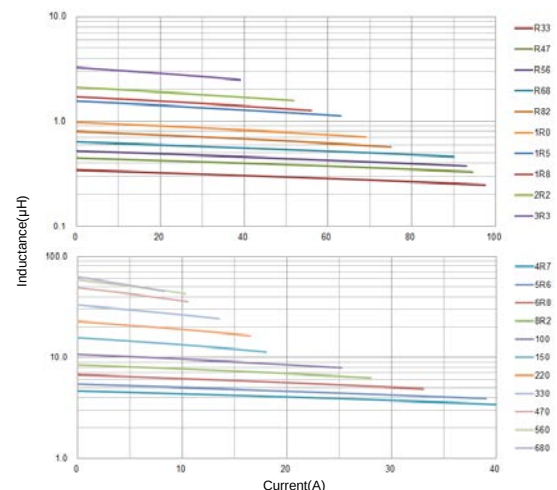
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

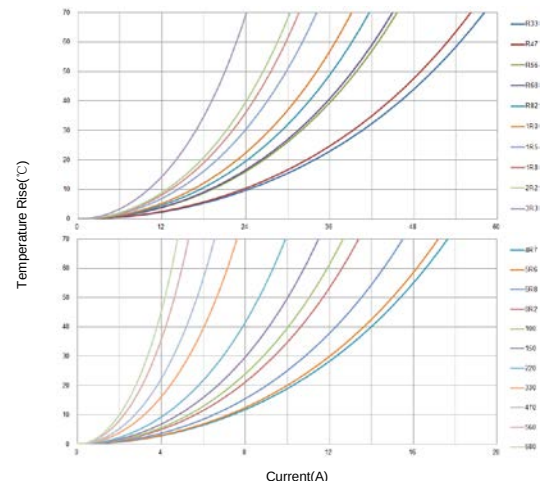
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

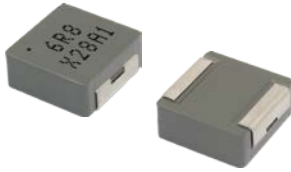
Saturation Current Curve



Temperature Rise Current Curve



CSAC1770



Operating temperature range : -40℃~+125℃

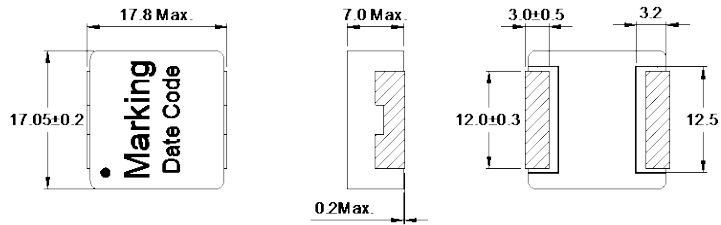
Construction



Wire



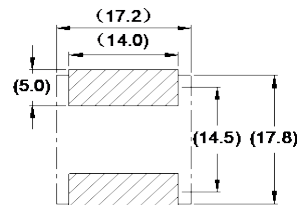
Appearance and Dimensions (mm)



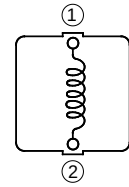
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)※1	D.C.R. (mΩ)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max	Typical	Typical
CSAC1770-R68M	0.68	1.30	1.50	72.0	38.0
CSAC1770-R82M	0.82	1.45	1.70	68.0	36.0
CSAC1770-1R0M	1.00	1.50	1.75	60.0	35.0
CSAC1770-1R5M	1.50	2.00	2.30	50.0	31.0
CSAC1770-2R2M	2.20	2.70	3.00	43.0	28.0
CSAC1770-3R3M	3.30	3.65	4.20	38.0	23.0
CSAC1770-4R7M	4.70	4.70	5.50	30.0	22.0
CSAC1770-5R6M	5.60	5.90	6.80	28.0	21.0
CSAC1770-6R8M	6.80	7.00	8.40	27.0	19.0
CSAC1770-8R2M	8.20	10.0	12.0	21.0	16.0
CSAC1770-100M	10.0	11.6	14.0	20.0	14.0
CSAC1770-150M	15.0	20.0	23.5	15.5	10.5
CSAC1770-220M	22.0	29.0	33.3	14.0	9.30
CSAC1770-330M	33.0	38.5	45.0	11.5	8.50
CSAC1770-470M	47.0	53.0	59.5	9.50	7.20
CSAC1770-560M	56.0	58.2	68.0	9.00	6.80
CSAC1770-680M	68.0	70.8	83.0	8.50	6.20

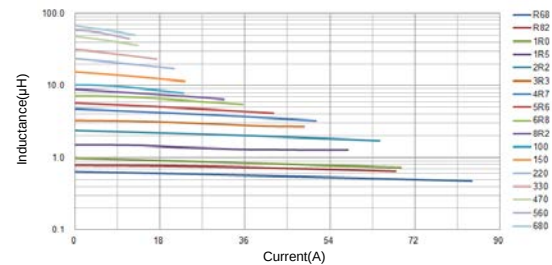
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 1.0V.

※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve

