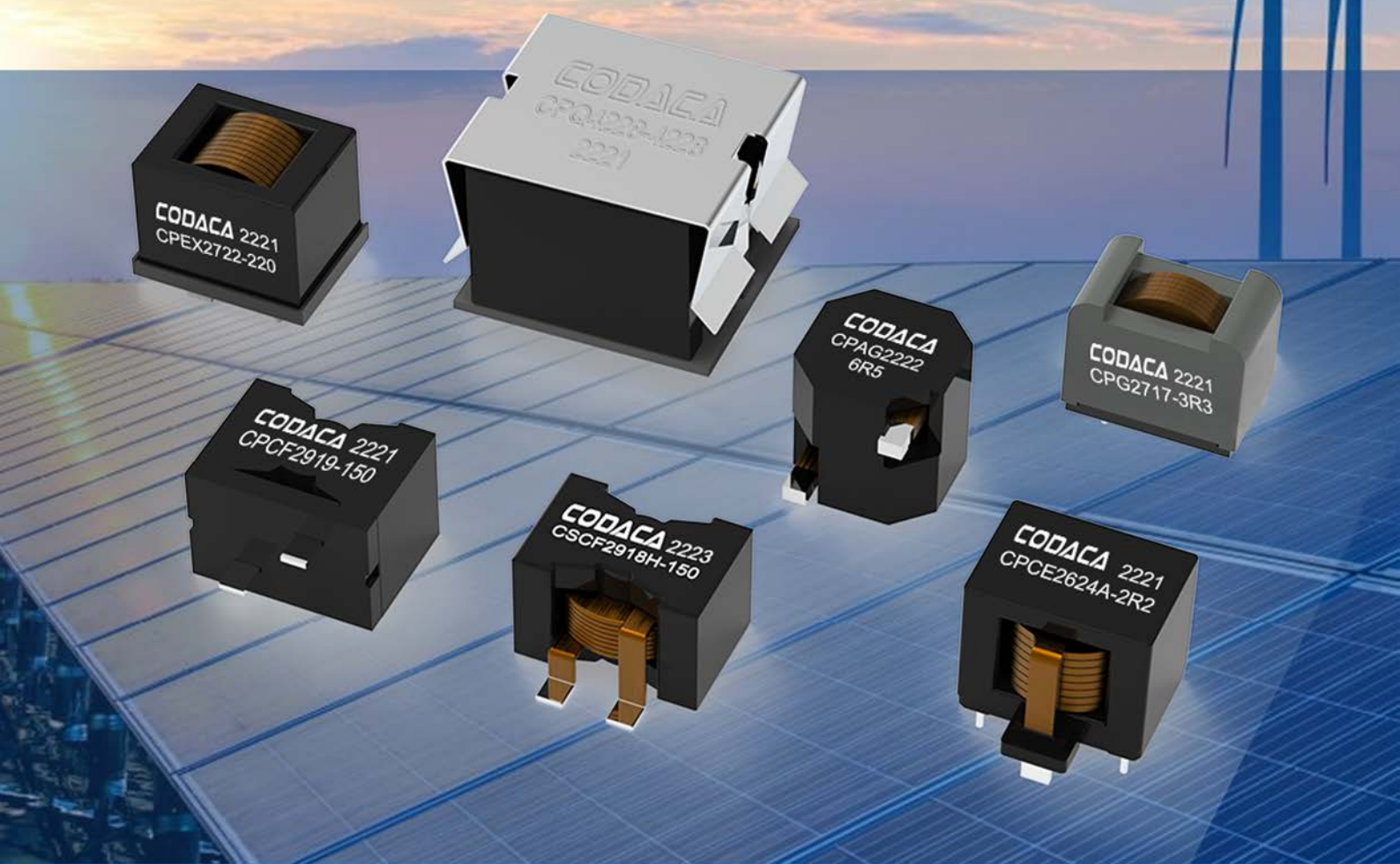
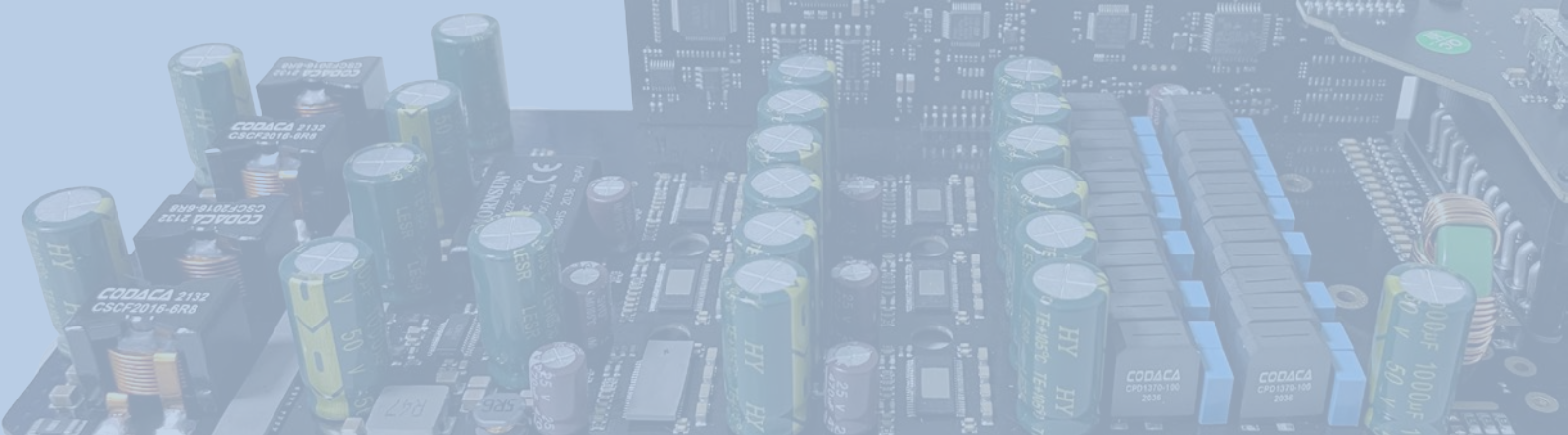


CODACA



PRODUCTS CATALOG

Super High Current Power Inductor



About this guide

- Mainly use in:
 - Power system, industrial control, new energy, medical electronics, etc
- Features:
 - Assemblage design and sturdy structure
 - High current and low magnetic loss
 - Low ESR and small parasitic capacitance
 - Flat-wire winding achieves a low DC resistance
- Electronic parameter
 - Operation temperature: -40~125℃
 - Inductance range: 0.47~470(μH)
 - Irms range : 10.0~65.0(A)

Super High Current Power Inductor CSCE / CSCF / CPCF / CPEX

CSCE1470	01	CPCF2919	19
CSCE2212	02	CPCF3218A	20
CSCE2580	03	CPCF3222A	21
CSCF2012	04	CPCF3517A	22
CSCF2014	05	CPEX2017L	23
CSCF2014B	06	CPEX2020A	24
CSCF2016	07	CPEX2022L	25
CSCF2915H	08	CPEX2722	26
CSCF2915L	09	CPEX3231A	27
CSCF2918H	10	CPAG2222	28
CSCF2918T	11	CPRX2520L	29
CSCF3218	12	CPCE2624A	30
CPCF2012A	13	CPG2717	31
CPCF2014A	14	CPU2916	32
CPCF2016A	15	CPFL3020	33
CPCF2915HA	16	CPER3231	34
CPCF2915LA	17	CPQ4228	35
CPCF2918HA	18	CPFS6560	36

CSCE1470



Operating temperature range : -40℃~+125℃

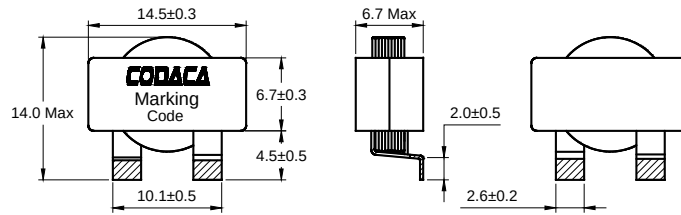
Construction



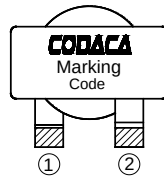
Wire



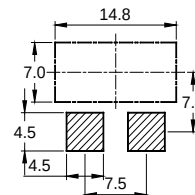
Appearance and Dimensions (mm)



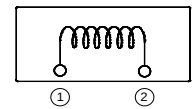
Marking



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
CSCE1470-2R5M	2.50	2.60	3.10	16.0	18.0
CSCE1470-3R3M	3.30	2.60	3.10	12.0	18.0
CSCE1470-4R7M	4.70	2.60	3.10	8.00	18.0

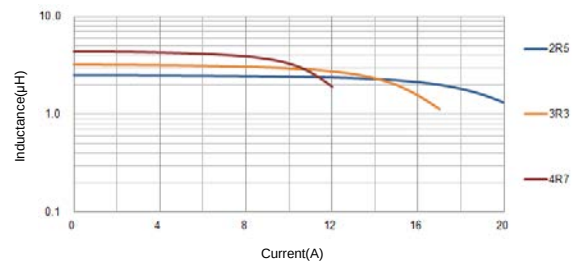
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

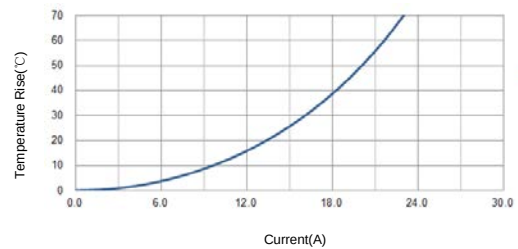
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

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

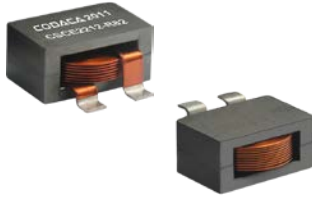
Saturation Current Curve



Temperature Rise Current Curve



CSCE2212



Operating temperature range : -40℃~+125℃

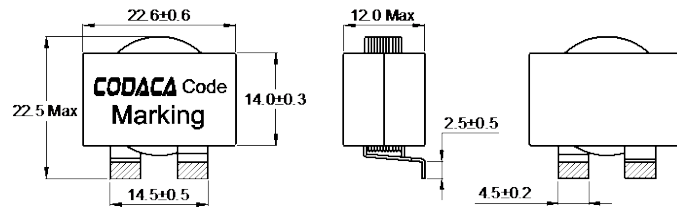
Construction



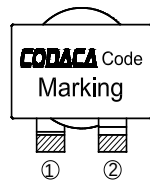
Wire



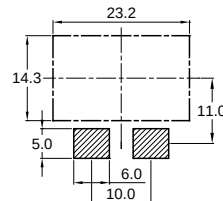
Appearance and Dimensions (mm)



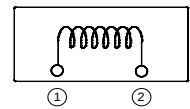
Marking



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
CSCE2212-R82M	0.82	0.57	0.68	70.0	40.0
CSCE2212-2R2M	2.20	2.80	3.30	64.0	22.0
CSCE2212-3R3M	3.30	3.80	4.50	49.0	19.0
CSCE2212-4R7M	4.70	3.80	4.50	33.0	19.0
CSCE2212-6R8M	6.80	3.80	4.50	29.0	19.0
CSCE2212-100M	10.0	4.30	5.20	20.0	16.0
CSCE2212-220M	22.0	12.7	15.2	15.0	13.0
CSCE2212-330M	33.0	12.7	15.2	10.5	13.0
CSCE2212-470M	47.0	12.7	15.2	8.00	13.0
CSCE2212-560M	56.0	12.7	15.2	5.00	13.0

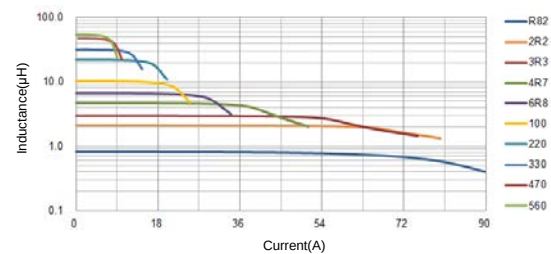
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

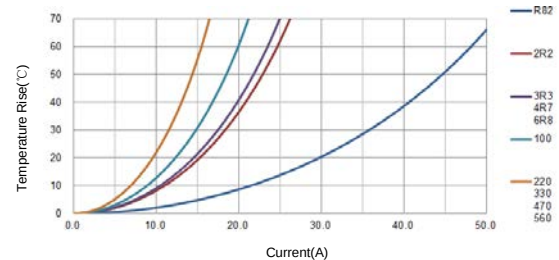
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※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



CSCE2580



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

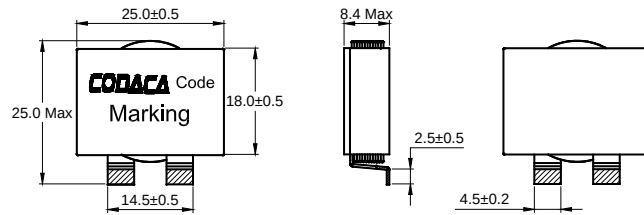
Construction



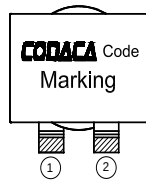
Wire



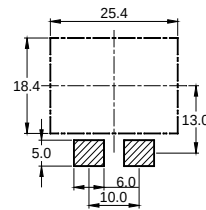
Appearance and Dimensions (mm)



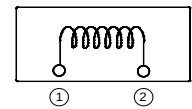
Marking



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	Typical
CSCE2580-1R5M	1.50	1.68	2.00	60.0	28.0
CSCE2580-3R3M	3.30	2.60	3.00	38.0	26.0
CSCE2580-4R7M	4.70	2.60	3.00	30.0	26.0
CSCE2580-6R8M	6.80	3.10	3.70	23.0	23.0
CSCE2580-100M	10.0	4.70	5.60	20.0	18.0
CSCE2580-150M	15.0	7.30	8.76	15.5	15.0
CSCE2580-220M	22.0	7.30	8.76	11.5	15.0
CSCE2580-330M	33.0	7.30	8.76	8.50	15.0
CSCE2580-560M	56.0	7.30	8.76	4.30	15.0

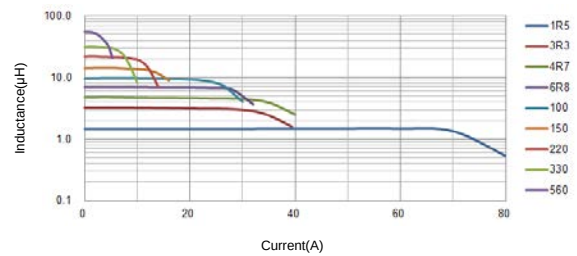
■ All data is tested based on 25°C ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

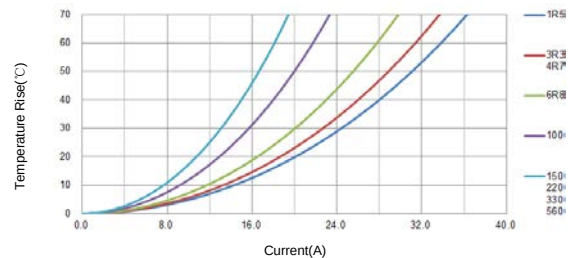
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

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

Saturation Current Curve



Temperature Rise Current Curve



CSCF2012



Operating temperature range : -40℃~+125℃

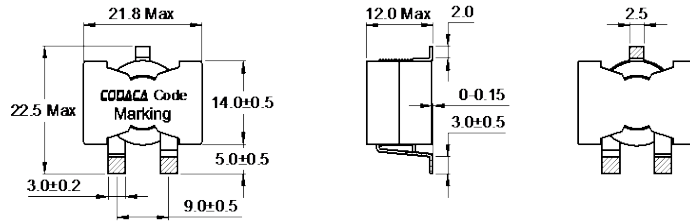
Construction



Wire



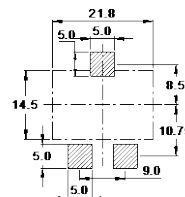
Appearance and Dimensions (mm)



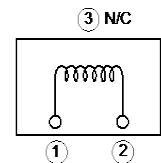
Marking



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
CSCF2012-R47MC	0.47	0.40	0.48	75.0	45.0
CSCF2012-R82MC	0.82	0.40	0.48	55.0	45.0
CSCF2012-1R0MC	1.00	1.15	1.38	62.0	35.0
CSCF2012-1R5MC	1.50	1.15	1.38	60.0	35.0
CSCF2012-2R2MC	2.20	1.78	2.13	50.0	28.0
CSCF2012-3R3MC	3.30	1.78	2.13	35.0	28.0
CSCF2012-4R7MC	4.70	1.78	2.13	24.0	28.0
CSCF2012-6R8MC	6.80	1.78	2.13	18.0	28.0
CSCF2012-8R2MC	8.20	1.78	2.13	13.0	28.0
CSCF2012-100MC	10.0	4.80	5.76	13.0	16.0
CSCF2012-150MC	15.0	4.80	5.76	10.0	16.0
CSCF2012-220MC	22.0	6.80	8.16	10.0	14.0
CSCF2012-330MC	33.0	6.80	8.16	7.00	14.0

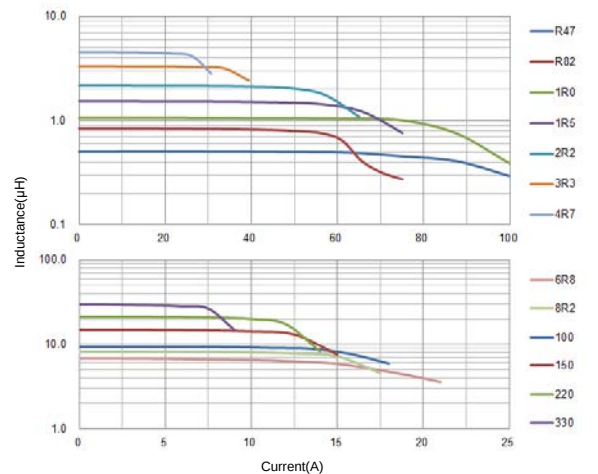
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

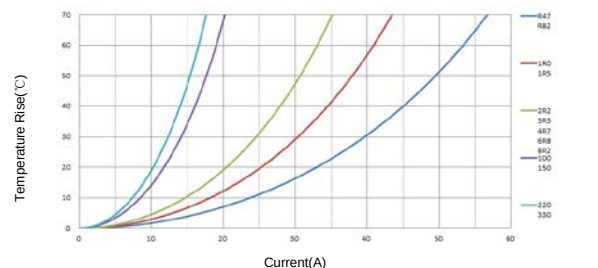
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※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

CSCF2014



Operating temperature range : -40℃~+125℃

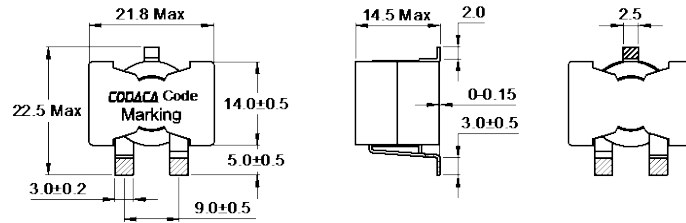
Construction



Wire



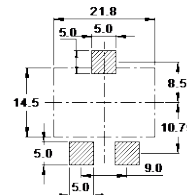
Appearance and Dimensions (mm)



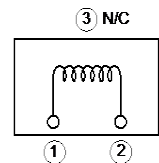
Marking



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
CSCF2014-R70MC	0.70	0.66	0.79	75.0	32.0
CSCF2014-1R4MC	1.40	0.86	1.02	60.0	31.5
CSCF2014-2R2MC	2.20	1.32	1.58	52.0	30.5
CSCF2014-3R1MC	3.10	1.92	2.30	45.0	26.0
CSCF2014-4R2MC	4.20	2.54	3.04	38.0	24.0
CSCF2014-5R5MC	5.50	3.30	3.96	33.0	22.0
CSCF2014-7R0MC	7.00	4.25	5.10	30.0	21.0
CSCF2014-8R6MC	8.60	5.90	7.08	25.0	17.0
CSCF2014-100MC	10.0	6.50	7.80	23.0	16.0
CSCF2014-150MC	15.0	7.10	8.50	21.0	14.0
CSCF2014-220MC	22.0	8.60	10.3	15.0	12.5
CSCF2014-330MC	33.0	9.28	11.1	11.0	12.0
CSCF2014-470MC	47.0	10.0	12.0	8.50	11.5

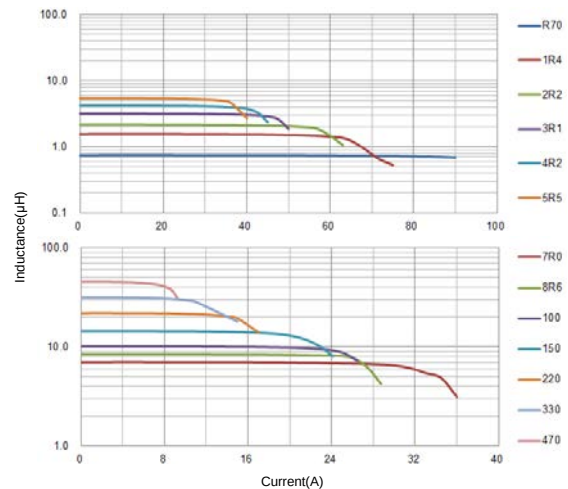
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

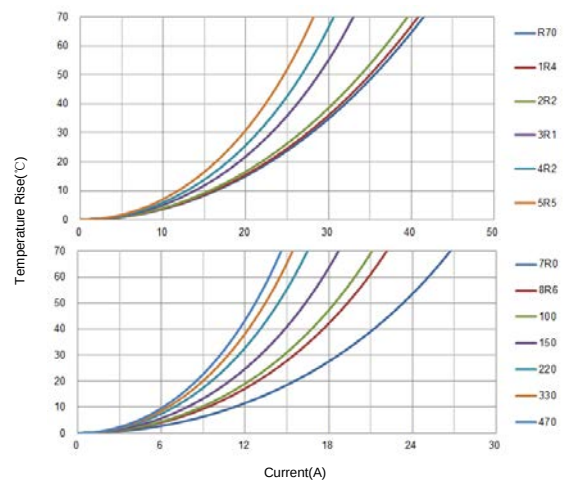
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※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



CSCF2014B



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

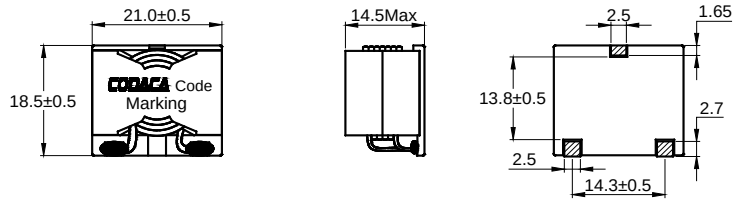
Construction



Wire



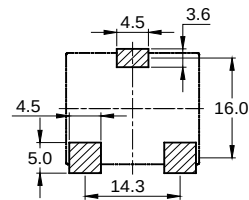
Appearance and Dimensions (mm)



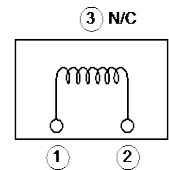
Marking



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	Typical
CSCF2014B-100MC	10.0	10.6	12.7		25.5	11.0
CSCF2014B-150MC	15.0	10.6	12.7		18.0	11.0
CSCF2014B-220MC	22.0	14.0	16.8		14.5	9.50
CSCF2014B-330MC	33.0	21.0	25.0		9.50	7.50
CSCF2014B-470MC	47.0	34.0	40.0		7.50	6.00

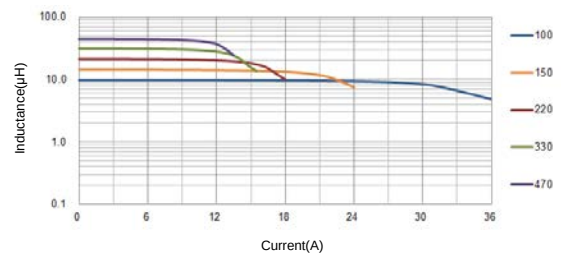
■ All data is tested based on 25°C ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

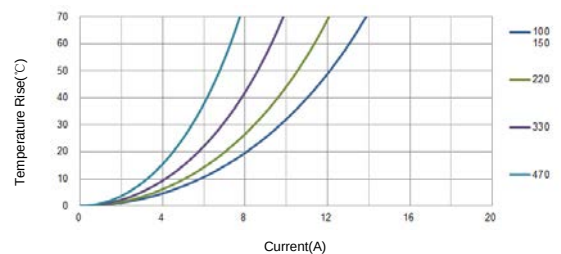
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

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

Saturation Current Curve



Temperature Rise Current Curve



CSCF2016



Operating temperature range : -40℃ ~ +125℃

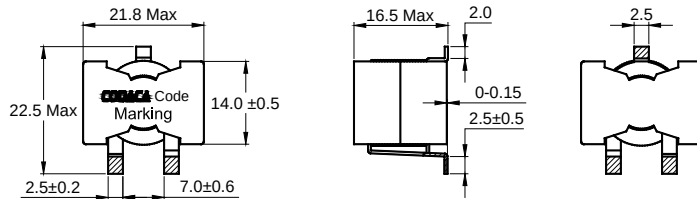
Construction



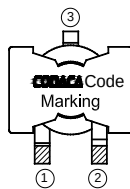
Wire



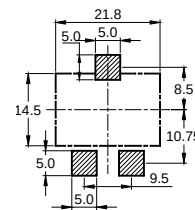
Appearance and Dimensions (mm)



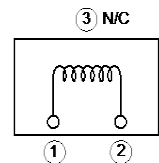
Marking



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μ H)※1	D.C.R. (m Ω)		Saturation current (A)※2	Temperature rise current (A)※3
	$\pm 20\%$	Typical	Max.	Typical	Typical
CSCF2016-4R7MC	4.70	3.30	42.0	42.0	21.0
CSCF2016-6R8MC	6.80	3.57	30.0	30.0	20.0
CSCF2016-8R2MC	8.20	3.57	25.0	25.0	20.0
CSCF2016-100MC	10.0	5.28	24.0	24.0	16.0
CSCF2016-220MC	22.0	5.28	10.0	10.0	16.0
CSCF2016-330MC	33.0	13.0	9.00	9.00	12.0
CSCF2016-470MC	47.0	13.0	6.50	6.50	12.0

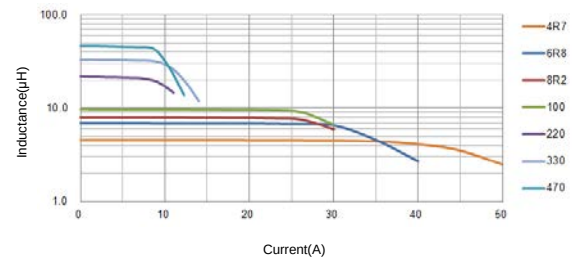
■ All data is tested based on 25°C ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

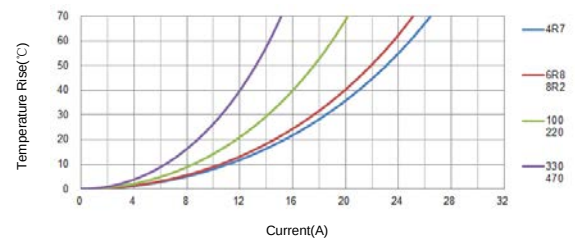
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

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

Saturation Current Curve



Temperature Rise Current Curve



AEC-Q200 CSCF2915H



Operating temperature range : -40℃~+125℃

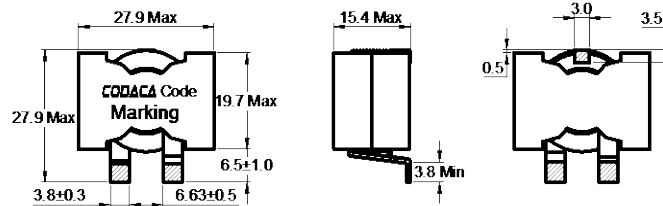
Construction



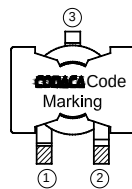
Wire



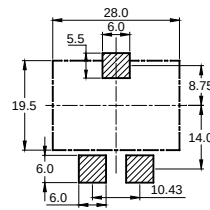
Appearance and Dimensions (mm)



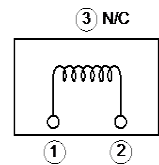
Marking



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
CSCF2915H-2R2MC	2.20	1.45	1.65	>100	32.0
CSCF2915H-3R3MC	3.30	1.45	1.65	68.0	32.0
CSCF2915H-4R7MC	4.70	1.45	1.65	50.0	32.0
CSCF2915H-6R8MC	6.80	1.45	1.65	36.0	32.0
CSCF2915H-100MC	10.0	1.45	1.65	23.0	32.0
CSCF2915H-150MC	15.0	1.45	1.65	15.0	32.0
CSCF2915H-220MC	22.0	1.45	1.65	9.60	32.0
CSCF2915H-330MC	33.0	1.45	1.65	5.90	32.0

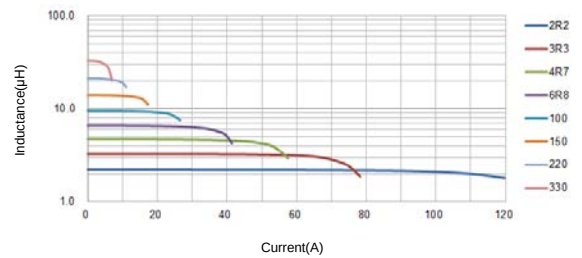
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

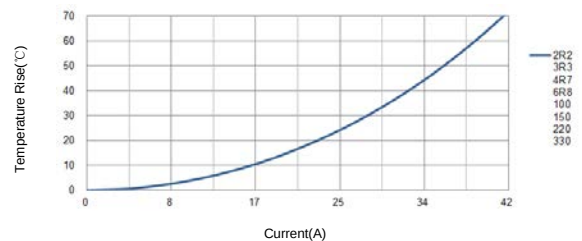
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※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



CSCF2915L



Operating temperature range : -40℃~+125℃

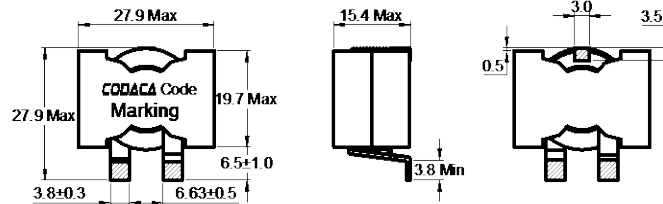
Construction



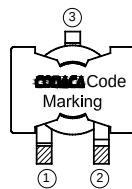
Wire



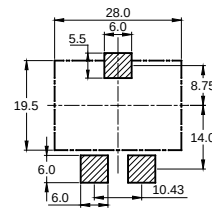
Appearance and Dimensions (mm)



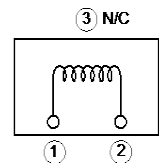
Marking



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
CSCF2915L-1R5MC	1.50	1.20	1.36	>100	34.0
CSCF2915L-2R2MC	2.20	1.20	1.36	84.8	34.0
CSCF2915L-3R3MC	3.30	1.20	1.36	57.0	34.0
CSCF2915L-4R7MC	4.70	1.20	1.36	39.0	34.0
CSCF2915L-6R8MC	6.80	1.20	1.36	27.8	34.0
CSCF2915L-100MC	10.0	1.20	1.36	17.6	34.0
CSCF2915L-150MC	15.0	1.20	1.36	11.0	34.0
CSCF2915L-220MC	22.0	1.20	1.36	6.80	34.0
CSCF2915L-330MC	33.0	1.20	1.36	3.30	34.0

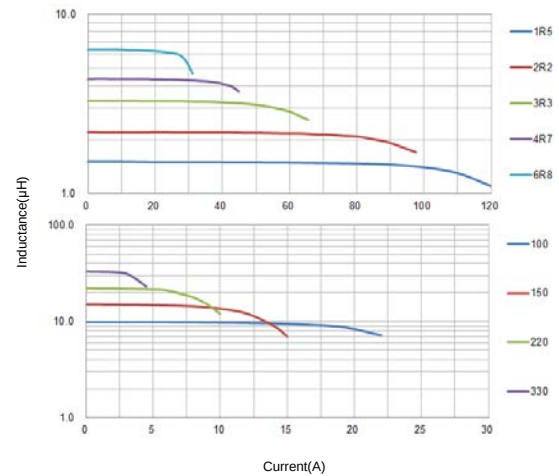
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

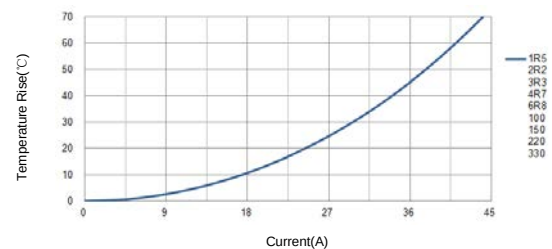
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※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 CSCF2918H



Operating temperature range : -40℃~+125℃

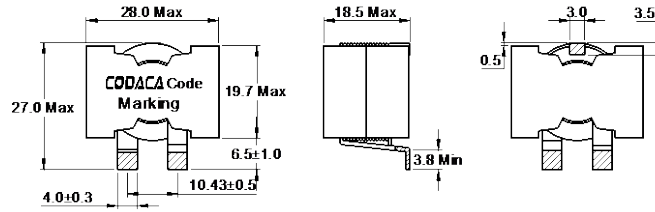
Construction



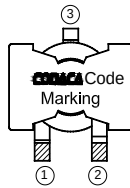
Wire



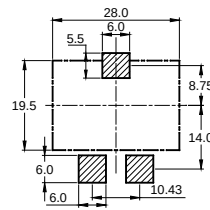
Appearance and Dimensions (mm)



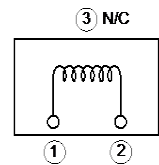
Marking



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
CSCF2918H-3R3MC	3.30	2.15	2.58	94.0	30.0
CSCF2918H-4R7MC	4.70	2.15	2.58	65.0	30.0
CSCF2918H-6R8MC	6.80	2.15	2.58	48.0	30.0
CSCF2918H-100MC	10.0	2.15	2.58	33.0	30.0
CSCF2918H-150MC	15.0	2.15	2.58	24.0	30.0
CSCF2918H-220MC	22.0	2.15	2.58	15.0	30.0
CSCF2918H-330MC	33.0	2.15	2.58	10.5	30.0

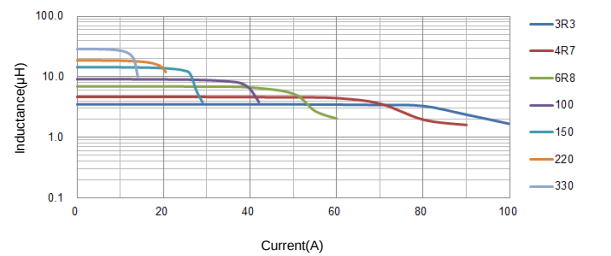
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

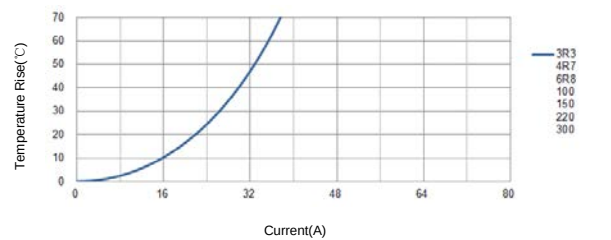
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※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



CSCF2918T



Operating temperature range : -40℃~+125℃

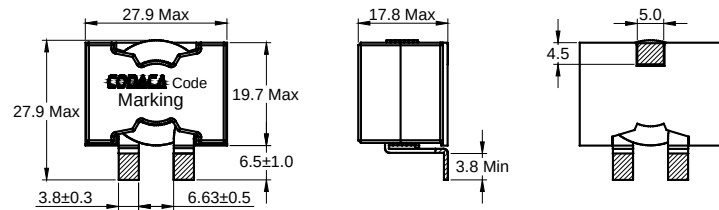
Construction



Wire



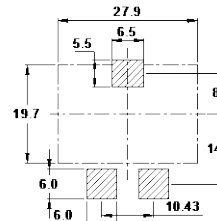
Appearance and Dimensions (mm)



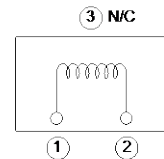
Marking



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
CSCF2918T-3R3MC	3.30	2.60	2.86	92.5	28.0
CSCF2918T-4R7MC	4.70	2.60	2.86	61.2	28.0
CSCF2918T-6R8MC	6.80	2.60	2.86	45.0	28.0
CSCF2918T-100MC	10.0	2.60	2.86	31.2	28.0
CSCF2918T-150MC	15.0	2.60	2.86	21.2	28.0
CSCF2918T-220MC	22.0	2.60	2.86	14.0	28.0
CSCF2918T-330MC	33.0	2.60	2.86	8.70	28.0

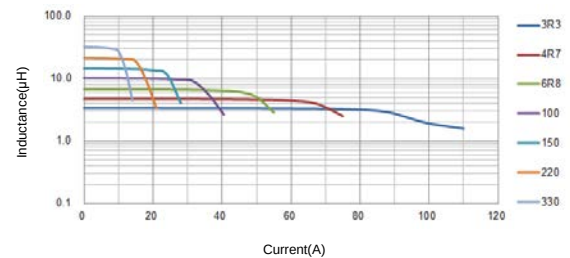
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

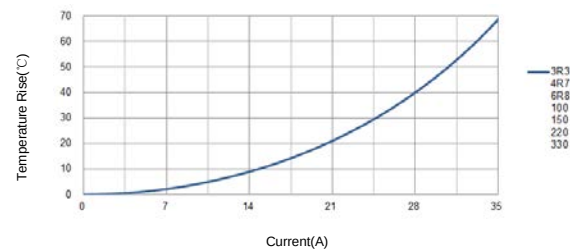
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※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



CSCF3218



Operating temperature range : -40℃~+125℃

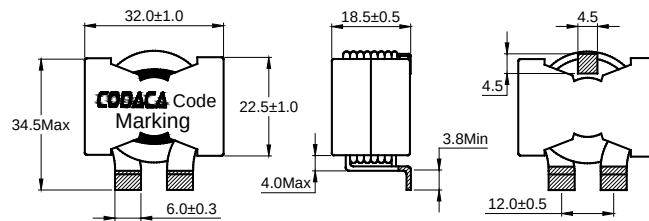
Construction



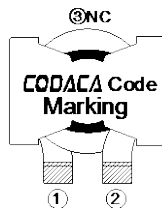
Wire



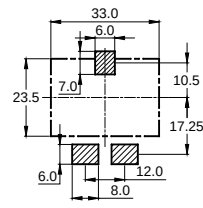
Appearance and Dimensions (mm)



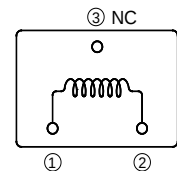
Marking



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
CSCF3218-3R3MC	3.30	1.00	1.20	80.0	55.0
CSCF3218-6R8MC	6.80	1.35	1.60	55.0	50.0
CSCF3218-100MC	10.0	2.30	2.80	45.0	40.0

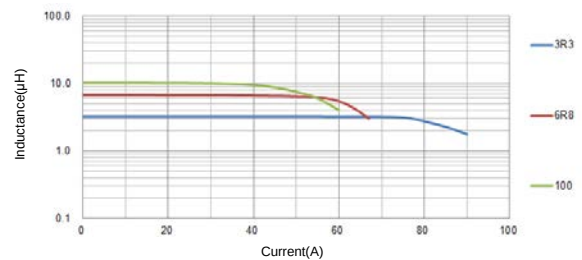
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

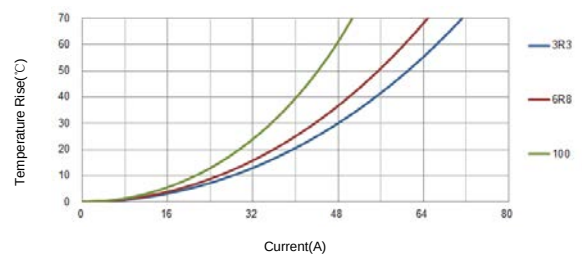
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

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

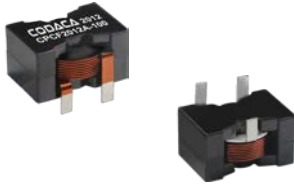
Saturation Current Curve



Temperature Rise Current Curve



CPCF2012A



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

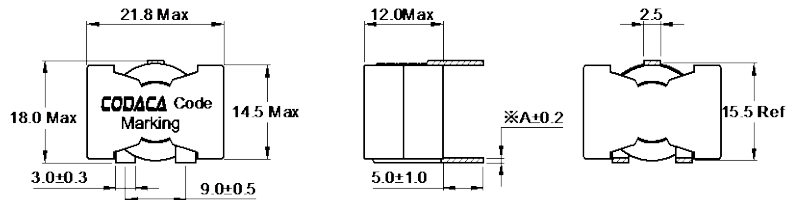
Construction



Wire

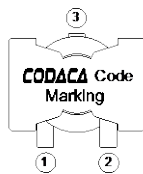


Appearance and Dimensions (mm)

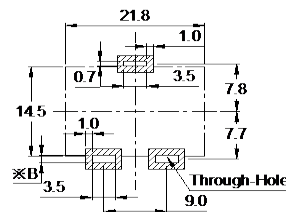


Part No.	R47-R82	1R0-1R5	2R2-8R2	100-150	220-330
Dimension A	1.40	0.90	0.70	0.40	0.35
Dimension B	1.90	1.40	1.20	0.90	0.80

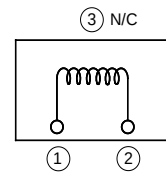
Marking



Reference Hole 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
CPCF2012A-R47MC	0.47	0.40	0.48	75.0	45.0
CPCF2012A-R82MC	0.82	0.40	0.48	55.0	45.0
CPCF2012A-1R0MC	1.00	1.15	1.38	62.0	35.0
CPCF2012A-1R5MC	1.50	1.15	1.38	60.0	35.0
CPCF2012A-2R2MC	2.20	1.78	2.13	50.0	28.0
CPCF2012A-3R3MC	3.30	1.78	2.13	35.0	28.0
CPCF2012A-4R7MC	4.70	1.78	2.13	24.0	28.0
CPCF2012A-6R8MC	6.80	1.78	2.13	18.0	28.0
CPCF2012A-8R2MC	8.20	1.78	2.13	13.0	28.0
CPCF2012A-100MC	10.0	4.80	5.76	13.0	16.0
CPCF2012A-150MC	15.0	4.80	5.76	10.0	16.0
CPCF2012A-220MC	22.0	6.80	8.16	10.0	14.0
CPCF2012A-330MC	33.0	6.80	8.16	7.00	14.0

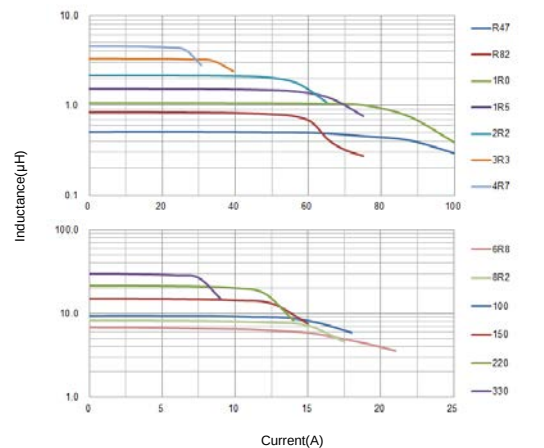
■ All data is tested based on 25°C ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

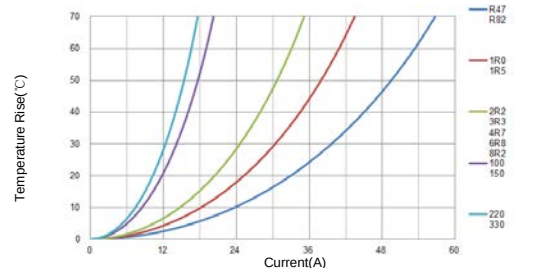
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

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

Saturation Current Curve



Temperature Rise Current Curve



CPCF2014A



Operating temperature range : -40℃~+125℃

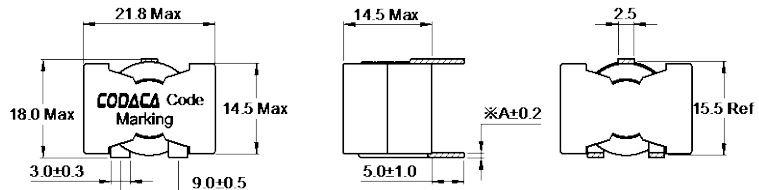
Construction



Wire

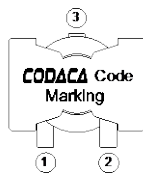


Appearance and Dimensions (mm)

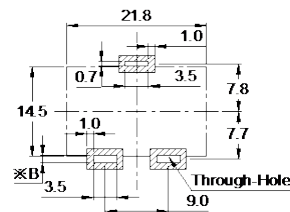


Part No.	R70-1R4	2R2	3R1	4R2	5R5	7R0	8R6-150	220-470
Dimension A	1.20	1.00	0.80	0.70	0.60	0.50	0.40	0.35
Dimension B	1.80	1.50	1.20	1.10	1.00	0.90	0.70	0.60

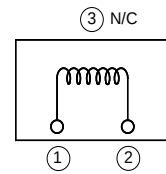
Marking



Reference Hole 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
CPCF2014A-R70MC	0.70	0.66	0.79	75.0	32.0
CPCF2014A-1R4MC	1.40	0.86	1.02	60.0	31.5
CPCF2014A-2R2MC	2.20	1.32	1.58	52.0	30.5
CPCF2014A-3R1MC	3.10	1.92	2.30	45.0	26.0
CPCF2014A-4R2MC	4.20	2.54	3.04	38.0	24.0
CPCF2014A-5R5MC	5.50	3.30	3.96	33.0	22.0
CPCF2014A-7R0MC	7.00	4.25	5.10	30.0	21.0
CPCF2014A-8R6MC	8.60	5.90	7.08	25.0	17.0
CPCF2014A-100MC	10.0	6.50	7.80	23.0	16.0
CPCF2014A-150MC	15.0	7.10	8.50	21.0	14.0
CPCF2014A-220MC	22.0	8.60	10.3	15.0	12.5
CPCF2014A-330MC	33.0	9.28	11.1	11.0	12.0
CPCF2014A-470MC	47.0	10.0	12.0	8.50	11.5

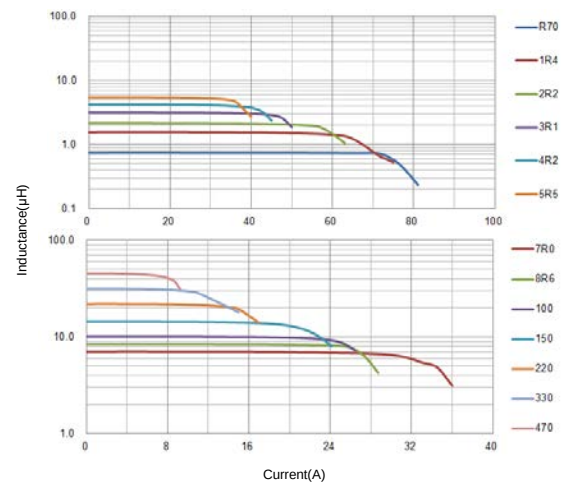
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

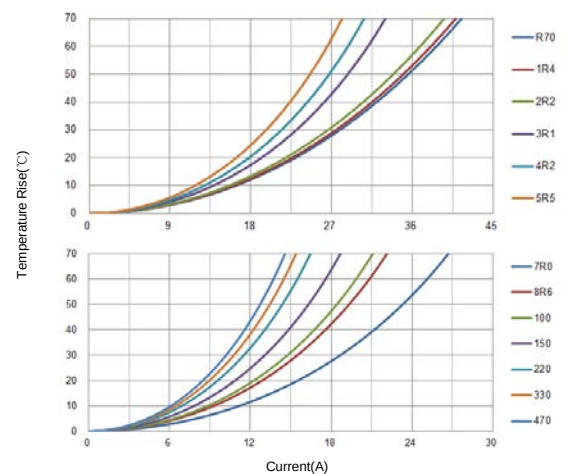
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※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



CPCF2016A



Operating temperature range : -40℃~+125℃

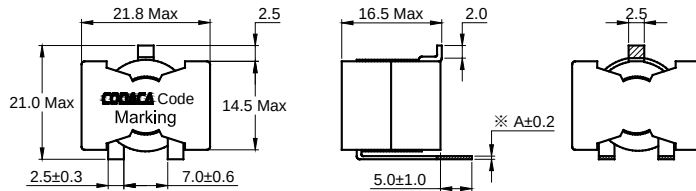
Construction



Wire

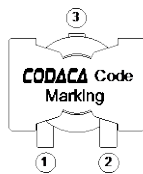


Appearance and Dimensions (mm)

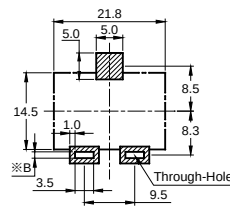


Part No.	4R7-8R2	100-220	330-470
Dimension A	0.80	0.65	0.40
Dimension B	1.30	1.15	0.90

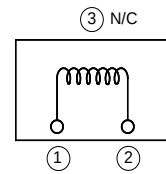
Marking



Reference Hole 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
CPCF2016A-4R7MC	4.70	3.30	4.00	42.0	21.0
CPCF2016A-6R8MC	6.80	3.57	4.30	30.0	20.0
CPCF2016A-8R2MC	8.20	3.57	4.30	25.0	20.0
CPCF2016A-100MC	10.0	5.28	6.30	24.0	16.0
CPCF2016A-220MC	22.0	5.28	6.30	10.0	16.0
CPCF2016A-330MC	33.0	13.0	15.0	9.00	12.0
CPCF2016A-470MC	47.0	13.0	15.0	6.50	12.0

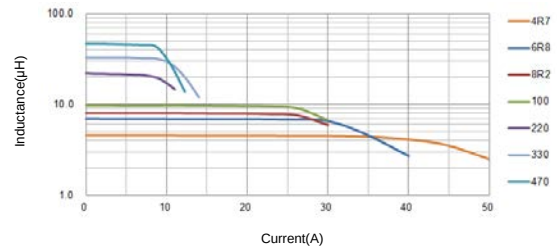
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

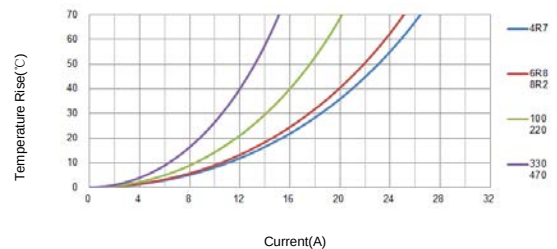
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※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



CPCF2915HA



Operating temperature range : -40℃~+125℃

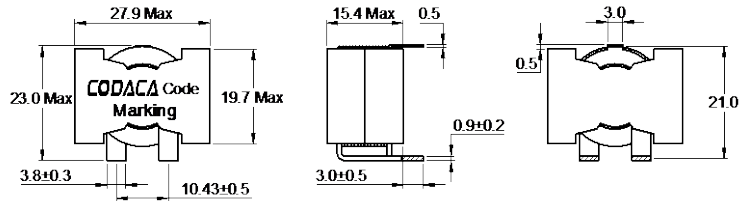
Construction



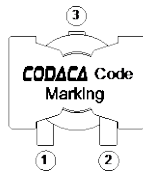
Wire



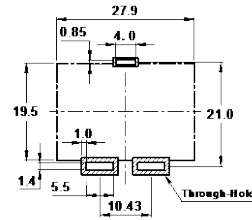
Appearance and Dimensions (mm)



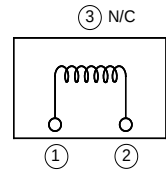
Marking



Reference Hole 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
CPCF2915HA-2R2MC	2.20	1.45	1.65	>100	32.0
CPCF2915HA-3R3MC	3.30	1.45	1.65	68.0	32.0
CPCF2915HA-4R7MC	4.70	1.45	1.65	50.0	32.0
CPCF2915HA-6R8MC	6.80	1.45	1.65	36.0	32.0
CPCF2915HA-100MC	10.0	1.45	1.65	23.0	32.0
CPCF2915HA-150MC	15.0	1.45	1.65	15.0	32.0
CPCF2915HA-220MC	22.0	1.45	1.65	9.60	32.0
CPCF2915HA-330MC	33.0	1.45	1.65	5.90	32.0

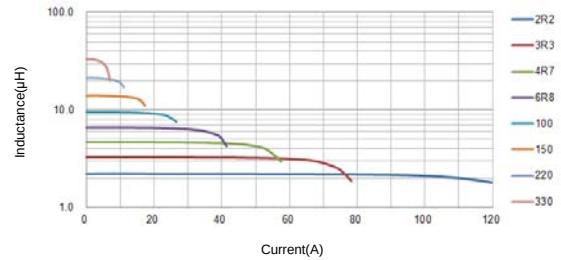
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

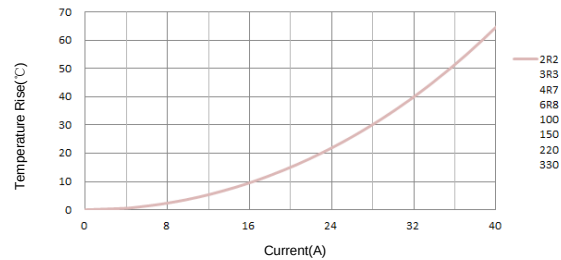
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※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



CPCF2915LA



Operating temperature range : -40℃~+125℃

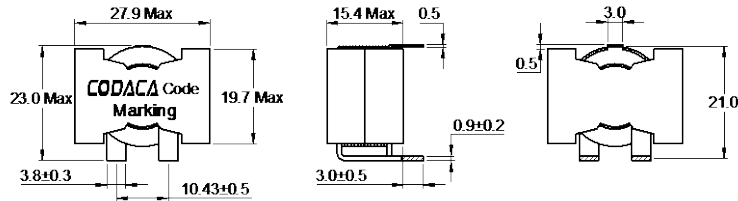
Construction



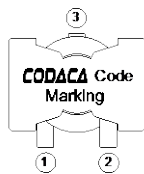
Wire



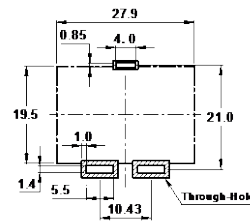
Appearance and Dimensions (mm)



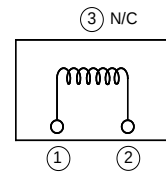
Marking



Reference Hole 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
CPCF2915LA-1R5MC	1.50	1.20	1.36	>100	34.0
CPCF2915LA-2R2MC	2.20	1.20	1.36	84.8	34.0
CPCF2915LA-3R3MC	3.30	1.20	1.36	57.0	34.0
CPCF2915LA-4R7MC	4.70	1.20	1.36	39.0	34.0
CPCF2915LA-6R8MC	6.80	1.20	1.36	27.8	34.0
CPCF2915LA-100MC	10.0	1.20	1.36	17.6	34.0
CPCF2915LA-150MC	15.0	1.20	1.36	11.0	34.0
CPCF2915LA-220MC	22.0	1.20	1.36	6.80	34.0
CPCF2915LA-330MC	33.0	1.20	1.36	3.30	34.0

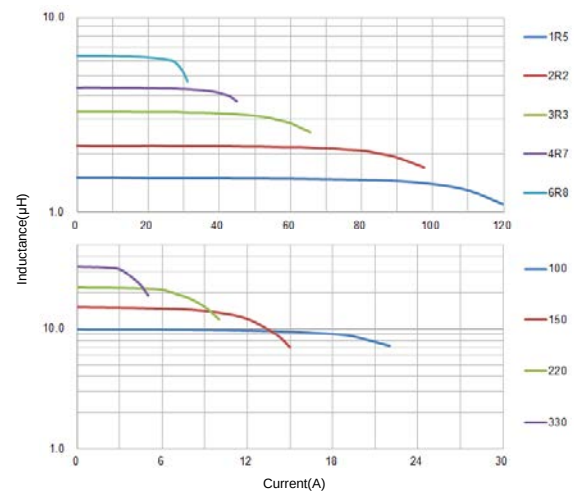
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

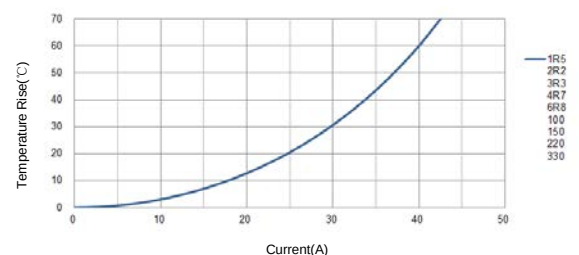
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※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



CPCF2918HA



Operating temperature range : -40℃~+125℃

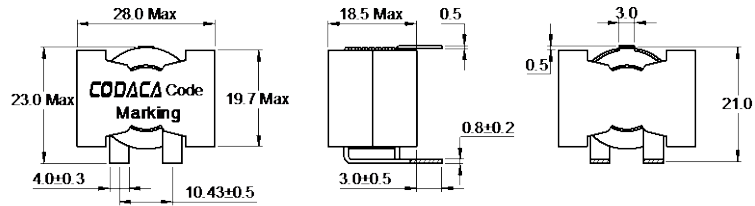
Construction



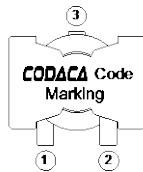
Wire



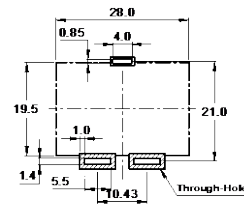
Appearance and Dimensions (mm)



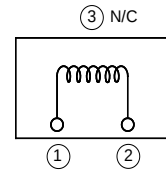
Marking



Reference Hole 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
CPCF2918HA-3R3MC	3.30	2.15	2.58	94.0	30.0
CPCF2918HA-4R7MC	4.70	2.15	2.58	65.0	30.0
CPCF2918HA-6R8MC	6.80	2.15	2.58	48.0	30.0
CPCF2918HA-100MC	10.0	2.15	2.58	33.0	30.0
CPCF2918HA-150MC	15.0	2.15	2.58	24.0	30.0
CPCF2918HA-220MC	22.0	2.15	2.58	15.0	30.0
CPCF2918HA-330MC	33.0	2.15	2.58	10.5	30.0

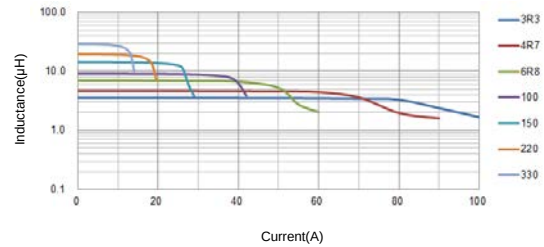
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

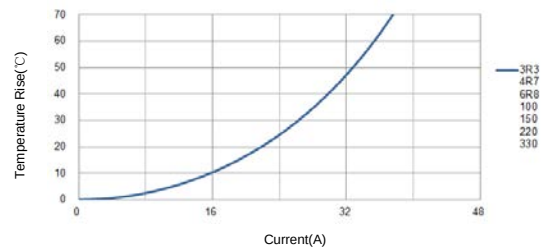
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※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



CPCF2919



Operating temperature range : -40℃~+125℃

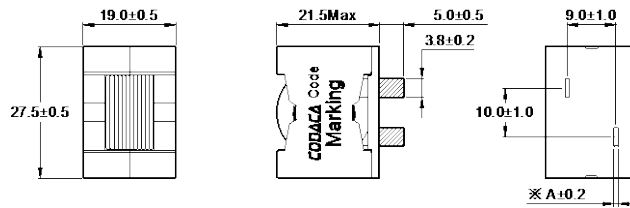
Construction



Wire

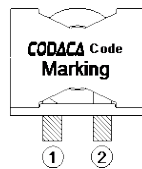


Appearance and Dimensions (mm)

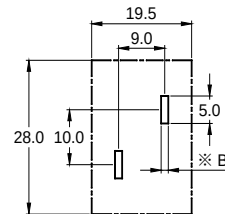


Part No.	4R7-6R8	100-150	220-470
Dimension A	0.90	0.80	0.70
Dimension B	1.40	1.30	1.20

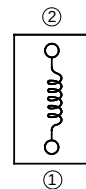
Marking



Reference Hole 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
CPCF2919-4R7MC	4.70	2.76	3.60		60.0	26.0
CPCF2919-5R6MC	5.60	2.76	3.60		49.0	26.0
CPCF2919-6R8MC	6.80	2.76	3.60		46.0	26.0
CPCF2919-100MC	10.0	3.70	4.80		32.0	24.0
CPCF2919-150MC	15.0	3.70	4.80		23.0	24.0
CPCF2919-220MC	22.0	4.80	6.20		18.0	22.0
CPCF2919-330MC	33.0	4.80	6.20		13.0	22.0
CPCF2919-470MC	47.0	4.80	6.20		9.00	22.0

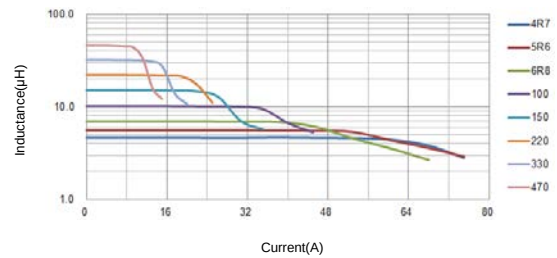
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

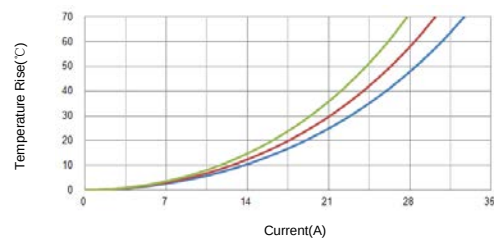
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※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



CPCF3218A



Operating temperature range : -40℃~+125℃

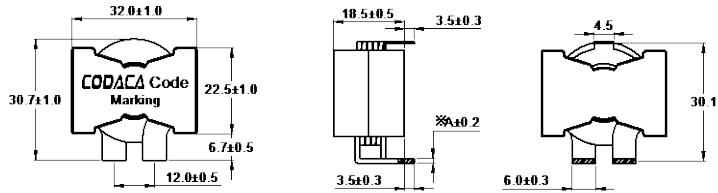
Construction



Wire



Appearance and Dimensions (mm)

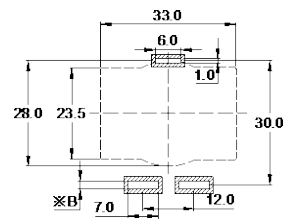


Part No.	3R3	6R8	100
Dimension A	1.20	1.00	0.80
Dimension B	1.80	1.60	1.20

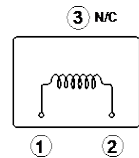
Marking



Reference Hole 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
CPCF3218A-3R3MC	3.30	1.00	1.20	80.0	55.0
CPCF3218A-6R8MC	6.80	1.35	1.60	55.0	50.0
CPCF3218A-100MC	10.0	2.30	2.80	45.0	40.0

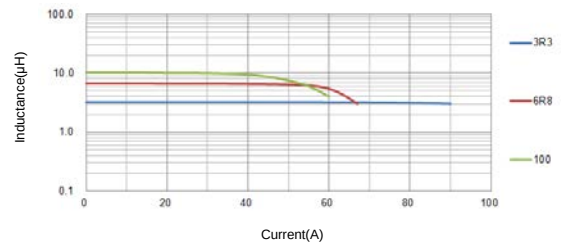
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

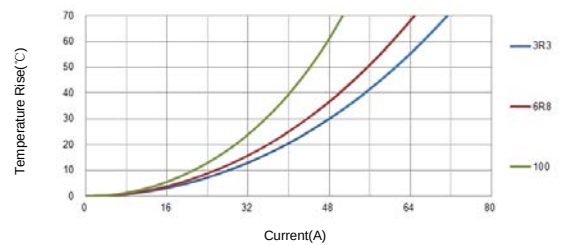
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※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



CPCF3222A



Operating temperature range : -40℃~+125℃

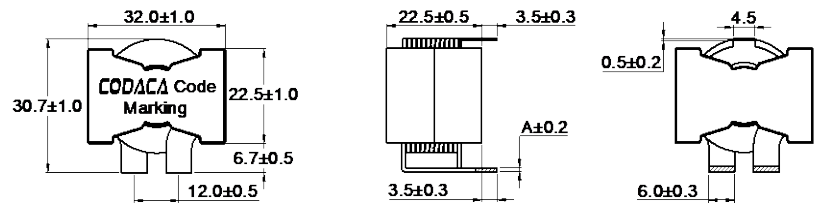
Construction



Wire



Appearance and Dimensions (mm)

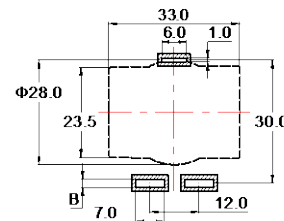


Part No.	3R3-8R2	170-220	560
Dimension A	1.50	0.90	0.70
Dimension B	2.20	1.50	1.50

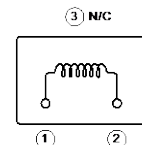
Marking



Reference Hole 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
CPCF3222A-3R3MC	3.30	0.95	1.20	100	60.0
CPCF3222A-4R7MC	4.70	0.95	1.20	72.0	60.0
CPCF3222A-8R2MC	8.20	0.95	1.20	42.0	60.0
CPCF3222A-170MC	17.0	2.50	3.00	33.0	35.0
CPCF3222A-220MC	22.0	2.50	3.00	28.0	35.0
CPCF3222A-560MC	56.0	3.95	4.75	13.5	27.5

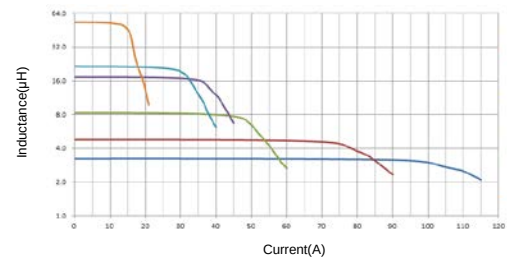
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

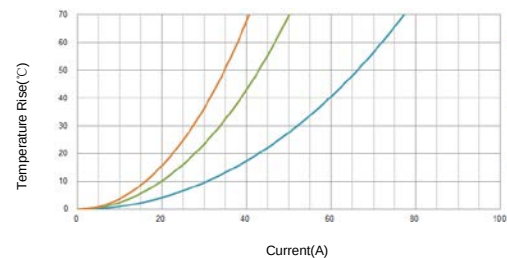
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※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



CPCF3517A



Operating temperature range : -40℃ ~ +125℃

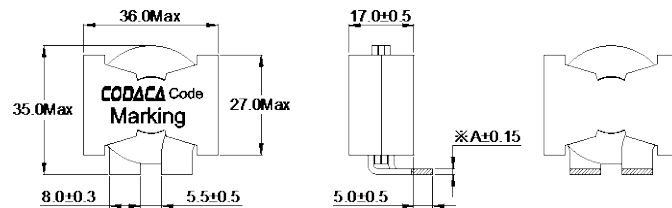
Construction



Wire

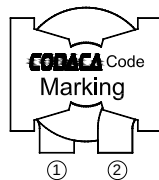


Appearance and Dimensions (mm)

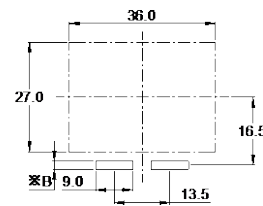


Part No.	1R5	2R2	3R3
Dimension A	1.50	1.50	1.30
Dimension B	2.00	2.00	1.80

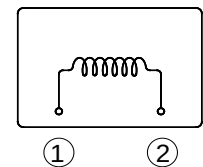
Marking



Reference Hole 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
CPCF3517A-1R5MC	1.50	0.31	0.40	113	65.0
CPCF3517A-2R2MC	2.20	0.31	0.40	94.0	65.0
CPCF3517A-3R3MC	3.30	0.52	0.63	76.0	52.0

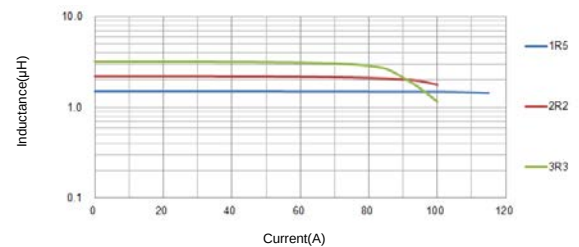
■ All data is tested based on 25°C ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

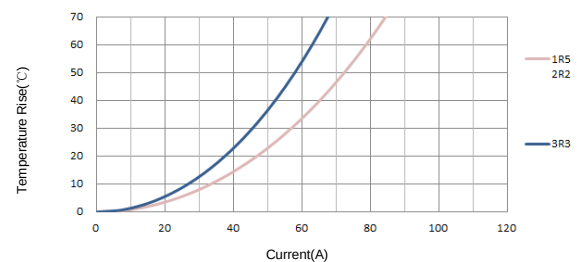
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

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

Saturation Current Curve



Temperature Rise Current Curve



CPEX2017L



Operating temperature range : -55℃~+150℃

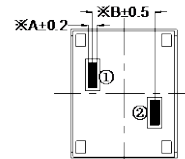
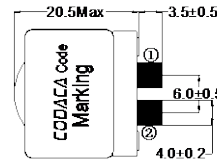
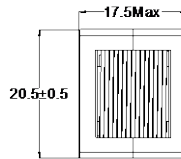
Construction



Wire



Appearance and Dimensions (mm)

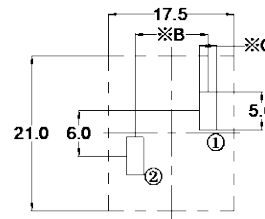


Part No.	3R3	4R7	7R6	100	150	220
Dimension A	1.50	1.20	1.00	0.90	0.70	0.60
Dimension B	9.80	9.60	10.2	10.1	10.1	10.1
Dimension C	2.30	2.00	1.80	1.70	1.50	1.40

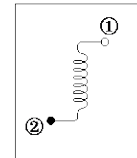
Marking



Reference Hole 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		
CPEX2017L-3R3MC	3.30	0.77	0.92	70.0	52.5	
CPEX2017L-4R7MC	4.70	1.13	1.35	55.0	41.8	
CPEX2017L-7R6MC	7.60	1.70	2.04	46.0	34.0	
CPEX2017L-100MC	10.0	2.07	2.48	41.0	31.0	
CPEX2017L-150MC	15.0	3.52	4.22	31.0	24.0	
CPEX2017L-220MC	22.0	4.67	5.60	24.0	20.5	

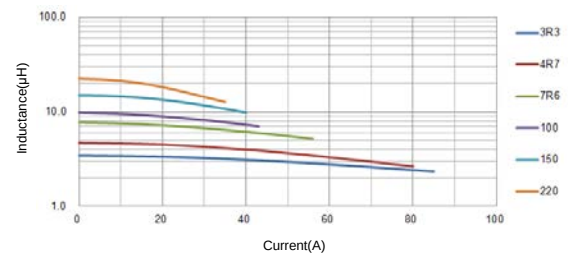
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

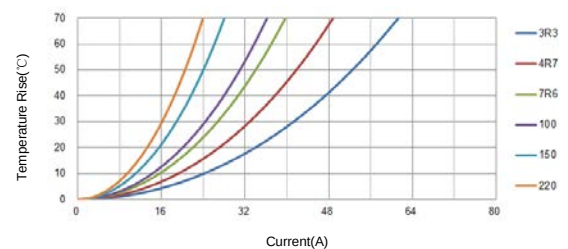
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT50℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CPEX2017L



Operating temperature range : -55℃~+150℃

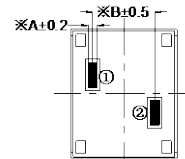
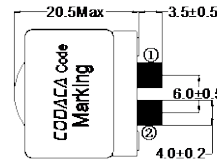
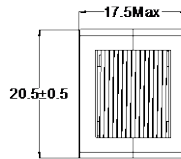
Construction



Wire



Appearance and Dimensions (mm)

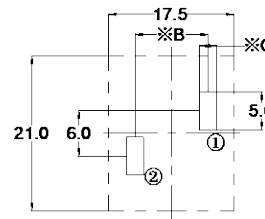


Part No.	3R3	4R7	7R6	100	150	220
Dimension A	1.50	1.20	1.00	0.90	0.70	0.60
Dimension B	9.80	9.60	10.2	10.1	10.1	10.1
Dimension C	2.30	2.00	1.80	1.70	1.50	1.40

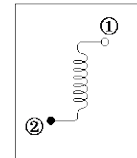
Marking



Reference Hole 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
CPEX2017L-3R3MC	3.30	0.77	0.92		70.0	52.5
CPEX2017L-4R7MC	4.70	1.13	1.35		55.0	41.8
CPEX2017L-7R6MC	7.60	1.70	2.04		46.0	34.0
CPEX2017L-100MC	10.0	2.07	2.48		41.0	31.0
CPEX2017L-150MC	15.0	3.52	4.22		31.0	24.0
CPEX2017L-220MC	22.0	4.67	5.60		24.0	20.5

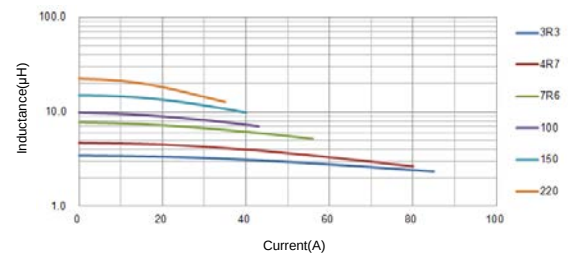
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

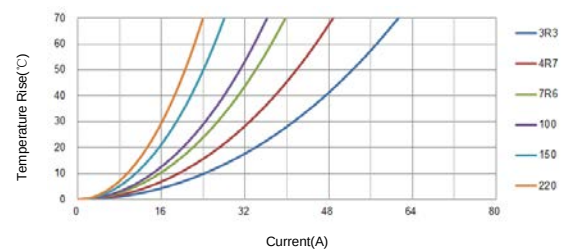
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT50℃ (Ta=25℃).

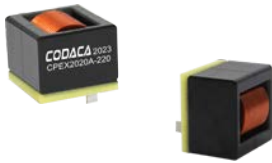
Saturation Current Curve



Temperature Rise Current Curve



CPEX2020A



Operating temperature range : -55℃~+150℃

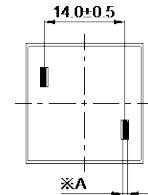
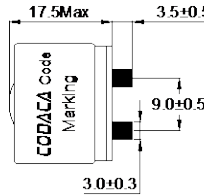
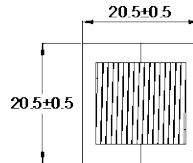
Construction



Wire



Appearance and Dimensions (mm)

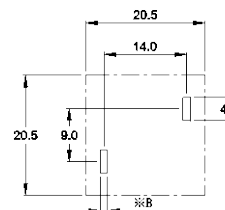


Part No.	100	150	220
Dimension A	1.2	1.0	0.8
Dimension B	1.9	1.7	1.5

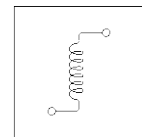
Marking



Reference Hole 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
CPEX2020A-100MC	10.0	2.20	2.64	35.0	30.0
CPEX2020A-150MC	15.0	3.10	3.72	26.0	26.0
CPEX2020A-220MC	22.0	4.50	5.40	21.0	23.0

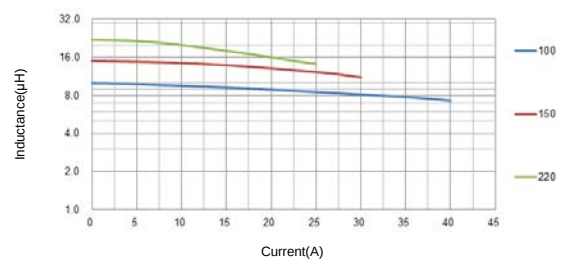
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

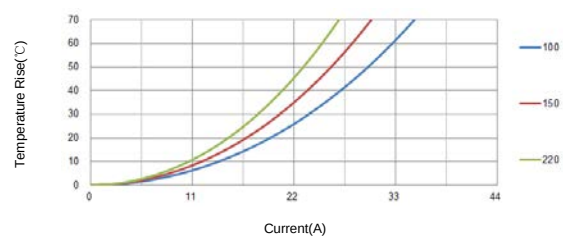
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT50℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



AEC-Q200 CPEX2022L



Operating temperature range : -55℃~+150℃

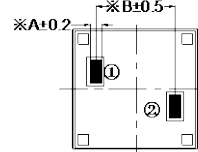
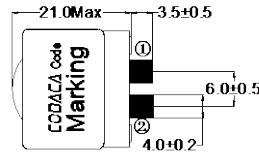
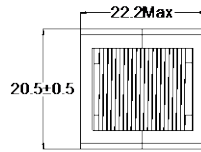
Construction



Wire



Appearance and Dimensions (mm)

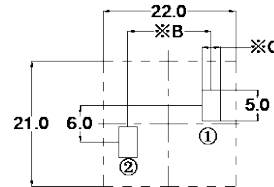


Part No.	2R7	3R9	5R2	6R5	8R2	100	150	220
Dimension A	2.00	1.80	1.60	1.40	1.30	1.20	1.00	0.80
Dimension B	13.5	13.9	13.9	13.7	14.0	14.5	14.3	14.5
Dimension C	3.00	2.80	2.60	2.40	2.30	2.20	2.00	1.80

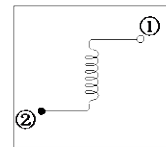
Marking



Reference Hole 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		
CPEX2022L-2R7MC	2.70	0.60	0.72	82.0	60.0	
CPEX2022L-3R9MC	3.90	0.73	0.88	72.0	54.0	
CPEX2022L-5R2MC	5.20	0.93	1.12	60.0	48.0	
CPEX2022L-6R5MC	6.50	1.26	1.51	55.0	42.0	
CPEX2022L-8R2MC	8.20	1.44	1.73	47.0	38.5	
CPEX2022L-100MC	10.0	1.76	2.11	44.0	35.0	
CPEX2022L-150MC	15.0	2.47	2.96	33.0	29.0	
CPEX2022L-220MC	22.0	3.72	4.46	27.0	24.0	

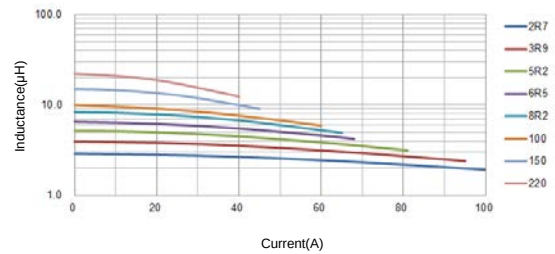
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

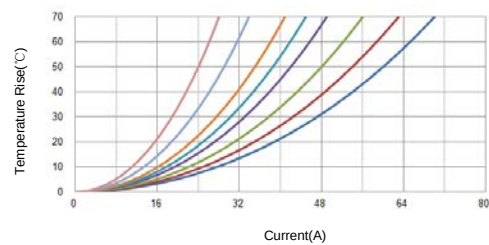
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT50℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



AEC-Q200 CPEX2722



Operating temperature range : -55℃~+150℃

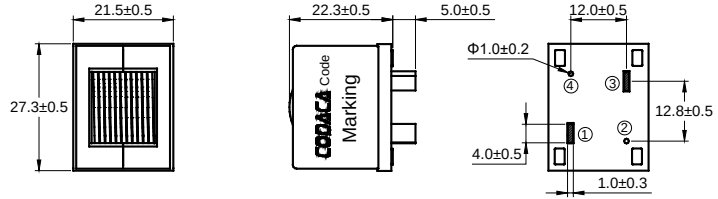
Construction



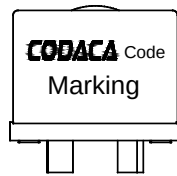
Wire



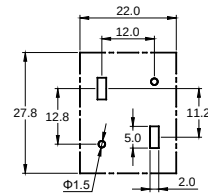
Appearance and Dimensions (mm)



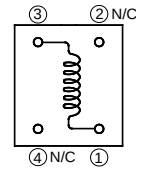
Marking



Reference Hole 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
CPEX2722-100MC	10.0	3.60	4.10	95.0	26.5
CPEX2722-120MC	12.0	3.60	4.10	80.0	26.5
CPEX2722-150MC	15.0	3.60	4.10	63.0	26.5
CPEX2722-180MC	18.0	3.60	4.10	48.0	26.5
CPEX2722-220MC	22.0	3.60	4.10	33.0	26.5
CPEX2722-270MC	27.0	3.60	4.10	30.0	26.5

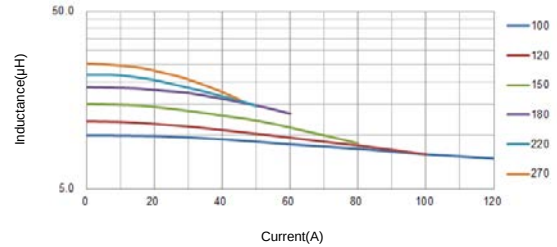
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

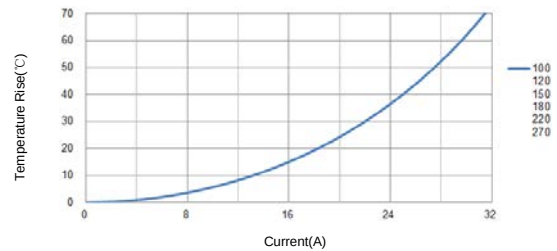
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT50℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CPEX3231A



Operating temperature range : -55℃~+150℃

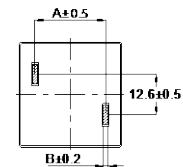
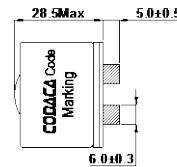
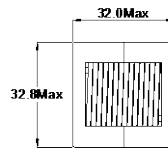
Construction



Wire



Appearance and Dimensions (mm)

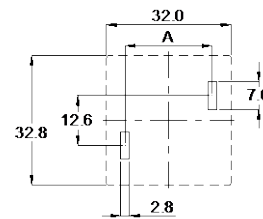


Part No.	100	180	270	330
Dimension A	19.8	18.5	22.0	20.0
Dimension B	2.00	1.50	1.50	1.20

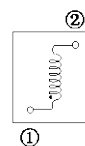
Marking



Reference Hole 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
CPEX3231A-100MC	10.0	0.88	1.05	86.0	53.0
CPEX3231A-180MC	18.0	1.43	1.72	43.0	47.5
CPEX3231A-270MC	27.0	1.55	1.86	43.0	44.0
CPEX3231A-330MC	33.0	2.40	2.67	30.0	36.0

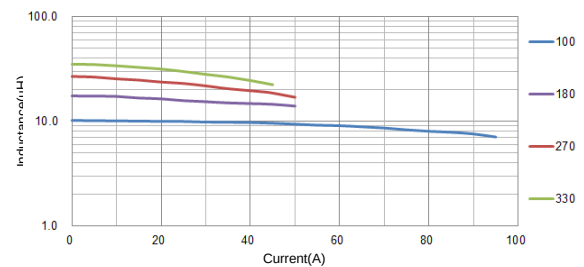
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

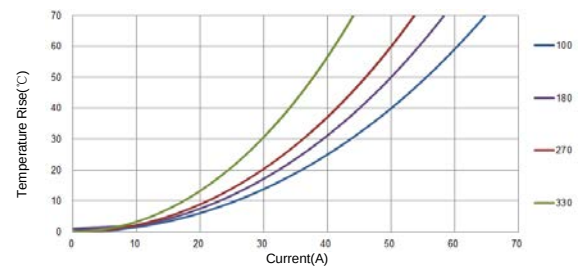
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT50℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CPAG2222



Operating temperature range : -55℃~+150℃

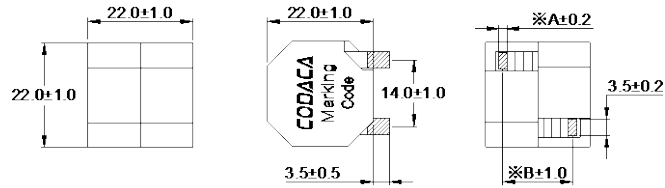
Construction



Wire

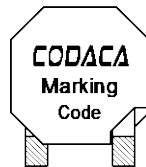


Appearance and Dimensions (mm)

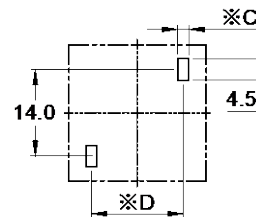


Part No.	1R9-2R2	2R8-4R3	5R1-5R6	6R5-7R1	8R0-8R8	100
Dimension A	2.5	2.0	1.75	1.5	1.35	1.20
Dimension B	14.3	14.3	14.7	14.7	15.3	15.3
Dimension C	3.5	3.0	2.5	2.5	2.0	2.0
Dimension D	14.3	14.3	14.7	14.7	15.3	15.3

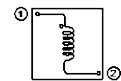
Marking



Reference Hole 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
CPAG2222-1R9MC	1.90	0.62	0.80	113.0	57.0
CPAG2222-2R2MC	2.20	0.62	0.80	88.0	57.0
CPAG2222-2R8MC	2.80	0.74	0.85	96.0	49.0
CPAG2222-3R2MC	3.20	0.74	0.85	76.0	49.0
CPAG2222-3R9MC	3.90	0.77	0.90	86.0	47.0
CPAG2222-4R3MC	4.30	0.77	0.90	62.0	47.0
CPAG2222-5R1MC	5.10	1.10	1.40	76.0	42.0
CPAG2222-5R6MC	5.60	1.10	1.40	59.0	42.0
CPAG2222-6R5MC	6.50	1.47	1.80	66.0	37.0
CPAG2222-7R1MC	7.10	1.47	1.80	50.0	37.0
CPAG2222-8R0MC	8.00	1.70	2.00	60.0	34.0
CPAG2222-8R8MC	8.80	1.70	2.00	46.0	34.0
CPAG2222-100MC	10.0	2.08	2.50	42.0	32.0

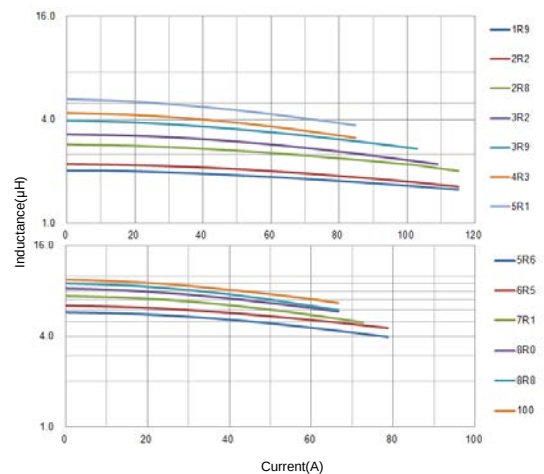
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

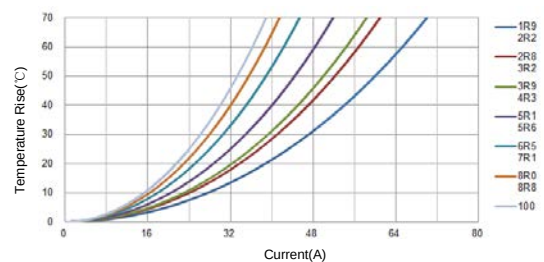
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT50℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CPRX2520L



Operating temperature range : -55℃~+150℃

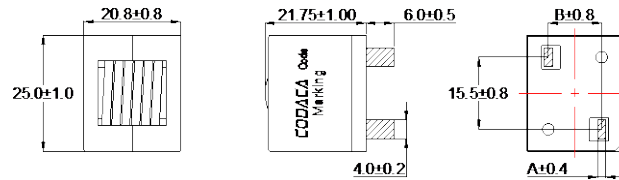
Construction



Wire

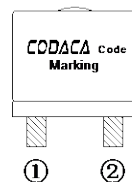


Appearance and Dimensions (mm)

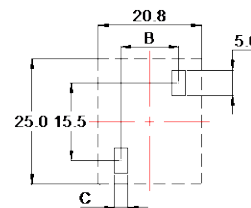


Part No.	2R2	3R3	4R7	6R8	8R2	100
Dimension A	2.50	2.00	1.80	1.60	1.40	1.10
Dimension B	10.85	11.35	11.55	12.30	12.50	10.85
Dimension C	3.50	3.00	2.80	2.60	2.40	2.00

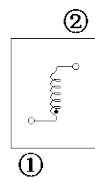
Marking



Reference Hole 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
CPRX2520L-2R2MC	2.20	0.38	0.42	110.0	75.0
CPRX2520L-3R3MC	3.30	0.63	0.70	90.0	65.0
CPRX2520L-4R7MC	4.70	0.80	0.95	70.0	62.0
CPRX2520L-6R8MC	6.80	1.00	1.15	60.0	53.0
CPRX2520L-8R2MC	8.20	1.35	1.50	50.0	47.0
CPRX2520L-100MC	10.0	1.85	2.00	45.0	44.0

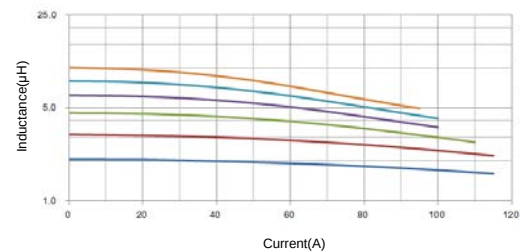
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.25V.

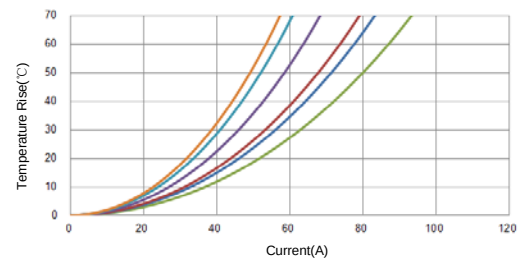
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT50℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve



CPCE2624A



Operating temperature range : -55°C~+150°C

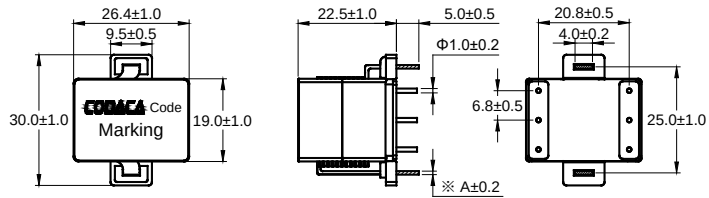
Construction



Wire



Appearance and Dimensions (mm)

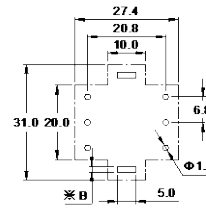


Part No.	130	150~180	250	270~330
Dimension A	1.20	1.00	0.90	0.80
Dimension B	1.80	1.60	1.50	1.40

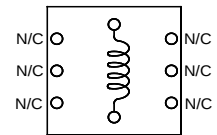
Marking



Reference Hole 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
CPCE2624A-130MC	13.0	1.90	2.10	35.0	26.0
CPCE2624A-150MC	15.0	2.50	2.90	33.0	25.0
CPCE2624A-180MC	18.0	2.70	3.10	30.0	24.0
CPCE2624A-250MC	25.0	3.60	4.10	28.0	23.0
CPCE2624A-270MC	27.0	3.90	4.50	26.0	22.0
CPCE2624A-330MC	33.0	4.20	4.80	24.0	20.0

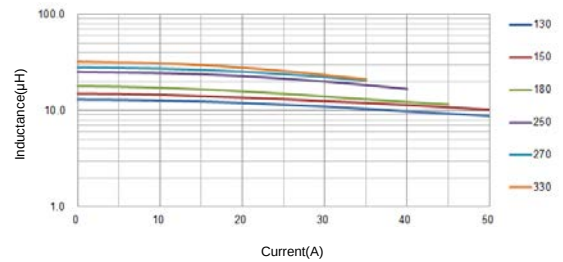
■ All data is tested based on 25°C ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

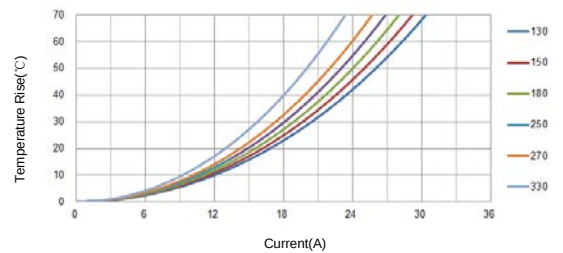
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT50°C (Ta=25°C).

Saturation Current Curve



Temperature Rise Current Curve



CPG2717



Operating temperature range : -40℃~+125℃

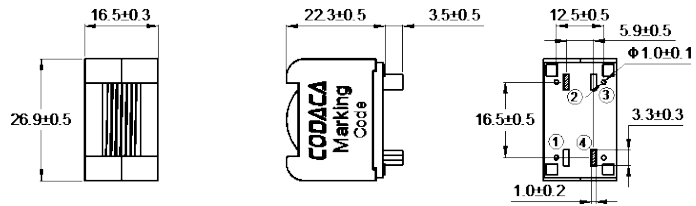
Construction



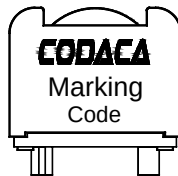
Wire



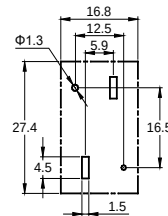
Appearance and Dimensions (mm)



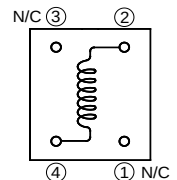
Marking



Reference Hole 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		
CPG2717-3R3M	3.30	1.80	2.00	85.0	33.7	
CPG2717-4R7M	4.70	1.80	2.00	59.0	33.7	
CPG2717-6R8M	6.80	1.80	2.00	41.0	33.7	
CPG2717-100M	10.0	1.80	2.00	28.0	33.7	
CPG2717-150M	15.0	1.80	2.00	18.0	33.7	
CPG2717-220M	22.0	1.80	2.00	12.0	33.7	
CPG2717-330M	33.0	1.80	2.00	7.00	33.7	

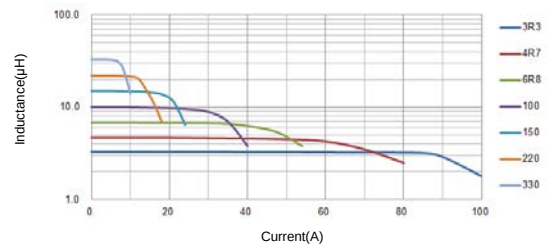
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

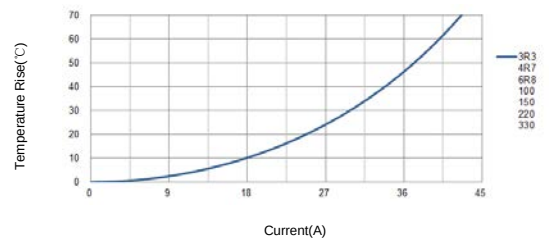
※2 Saturation current: the actual value of DC current when the inductance decrease 10% of its initial value.

※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 CPU2916



Operating temperature range : -40℃~+125℃

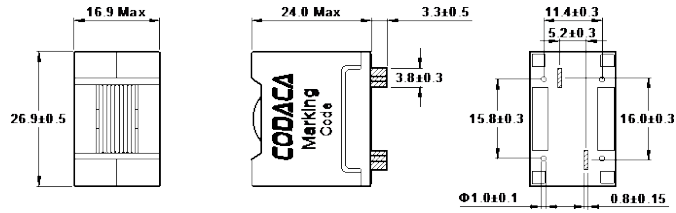
Construction



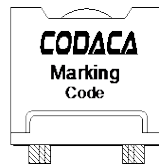
Wire



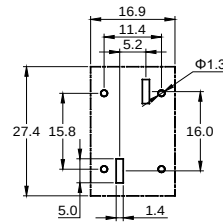
Appearance and Dimensions (mm)



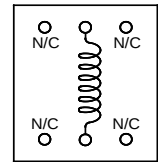
Marking



Reference Hole 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
CPU2916-3R3MC	3.30	2.30	2.60	104	26.0
CPU2916-4R7MC	4.70	2.30	2.60	69.0	26.0
CPU2916-6R8MC	6.80	2.30	2.60	53.0	26.0
CPU2916-100MC	10.0	2.30	2.60	34.0	26.0
CPU2916-150MC	15.0	2.30	2.60	23.0	26.0
CPU2916-220MC	22.0	2.30	2.60	14.7	26.0
CPU2916-330MC	33.0	2.30	2.60	9.20	26.0

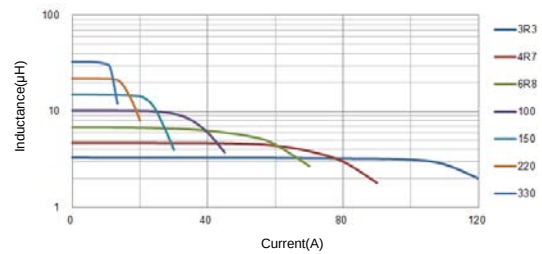
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

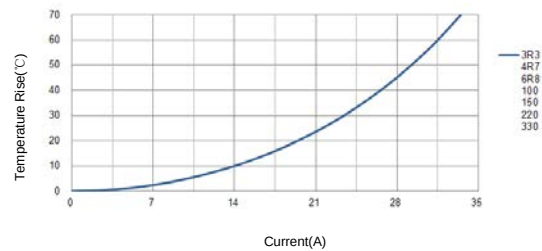
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※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



CPFL3020



Operating temperature range : -55℃~+150℃

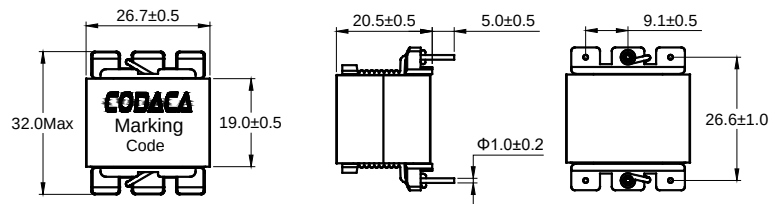
Construction



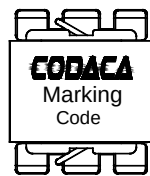
Wire



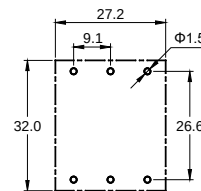
Appearance and Dimensions (mm)



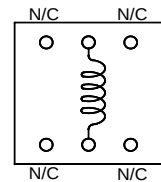
Marking



Reference Hole Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μ H)※1	D.C.R. (m Ω)		Saturation current (A)※2	Temperature rise current (A)※3
	±20%	Typical	Max.	Typical	Typical
CPFL3020-100MC	10.0	7.70	9.30	39.0	19.0
CPFL3020-120MC	12.0	8.60	10.4	35.0	18.0
CPFL3020-150MC	15.0	9.70	11.7	31.0	17.0
CPFL3020-220MC	22.0	20.7	24.9	27.0	13.0
CPFL3020-270MC	27.0	21.8	26.2	23.5	12.5
CPFL3020-330MC	33.0	25.1	30.2	21.0	12.0
CPFL3020-470MC	47.0	31.9	38.3	18.0	11.0
CPFL3020-560MC	56.0	35.8	42.3	16.0	10.0

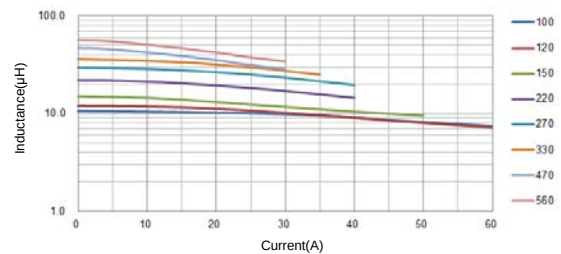
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

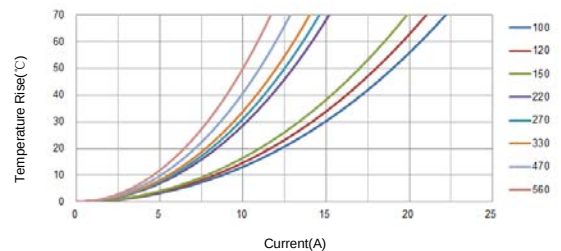
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is $\Delta T50^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$).

Saturation Current Curve



Temperature Rise Current Curve



CPR3231



Operating temperature range : -55°C ~ +150°C

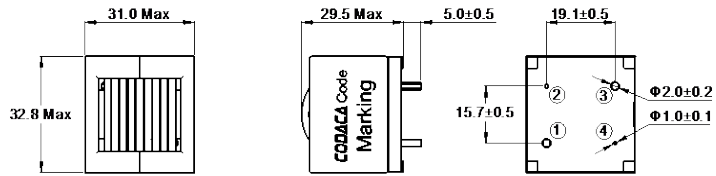
Construction



Wire



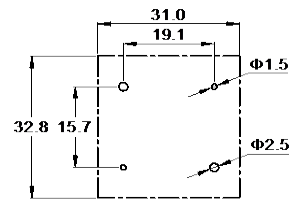
Appearance and Dimensions (mm)



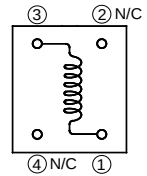
Marking



Reference Hole 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
CPR3231-680MC	68.0	7.70	9.20	27.0	28.0
CPR3231-820MC	82.0	8.50	10.2	25.0	26.0
CPR3231-101MC	100	9.02	11.0	23.0	25.0

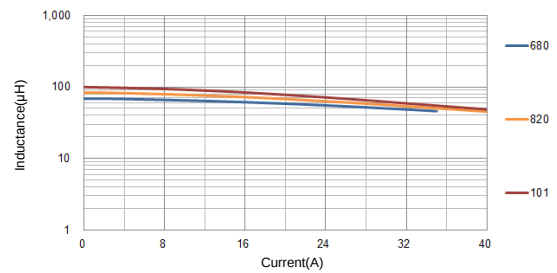
■ All data is tested based on 25°C ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

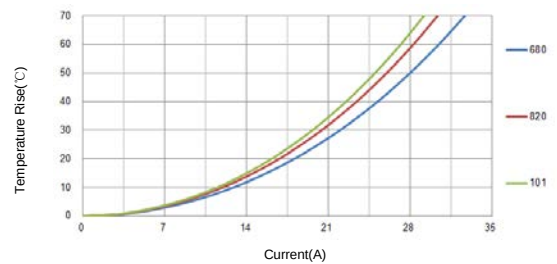
※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT50°C (Ta=25°C).

Saturation Current Curve



Temperature Rise Current Curve



AEC-Q200

CPQ4228



Operating temperature range : -40℃~+125℃

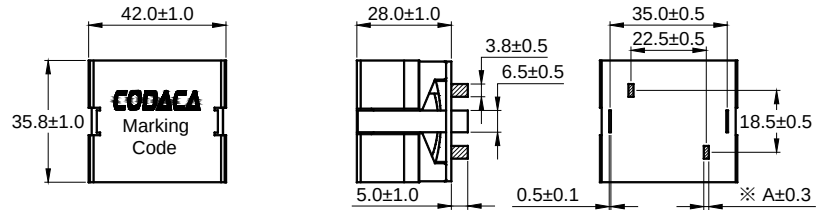
Construction



Wire

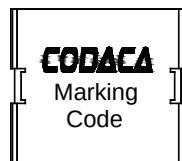


Appearance and Dimensions (mm)

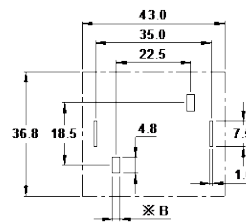


Part No.	6R8-151	221-471
Dimension A	1.50	0.80
Dimension B	2.30	1.40

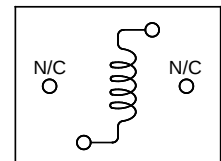
Marking



Reference Hole 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
CPQ4228-6R8M	6.80	2.80	2.95	75.0	34.0
CPQ4228-100M	10.0	2.80	2.95	60.0	34.0
CPQ4228-150M	15.0	2.80	2.95	47.0	34.0
CPQ4228-220M	22.0	2.80	2.95	35.4	34.0
CPQ4228-330M	33.0	2.80	2.95	24.7	34.0
CPQ4228-470M	47.0	2.80	2.95	17.6	34.0
CPQ4228-680M	68.0	2.80	2.95	12.2	34.0
CPQ4228-101M	100	2.80	2.95	7.80	34.0
CPQ4228-151M	150	2.80	2.95	4.96	34.0
CPQ4228-221M	220	10.5	11.55	7.20	17.5
CPQ4228-331M	330	10.5	11.55	5.20	17.5
CPQ4228-471M	470	10.5	11.55	3.60	17.5

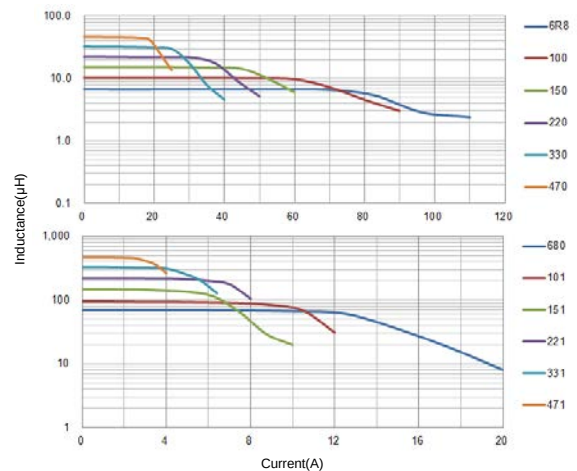
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

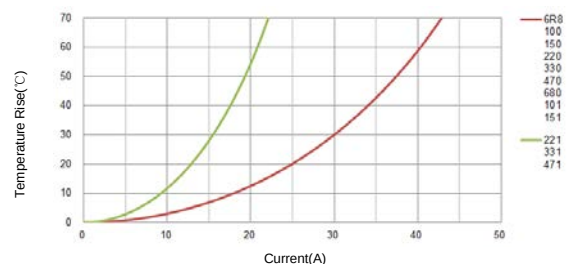
※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

※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



CPFS6560



Operating temperature range : -55℃~+150℃

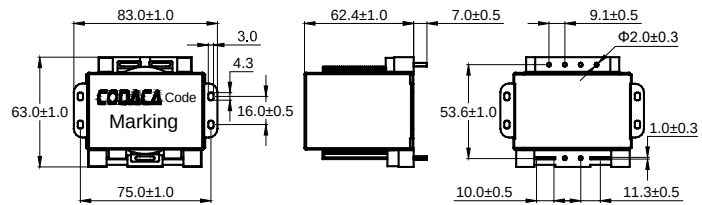
Construction



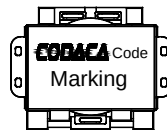
Wire



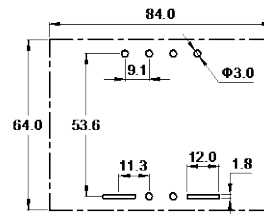
Appearance and Dimensions (mm)



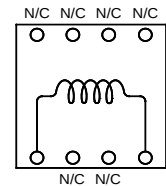
Marking



Reference Hole 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
CPFS6560-301M	300	9.66	11.6	27.0	25.0

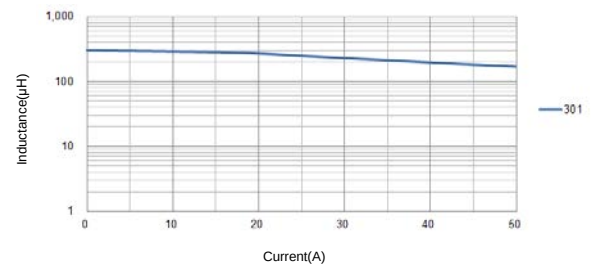
■ All data is tested based on 25℃ ambient temperature.

※1 Inductance measure condition at 100kHz, 0.1V.

※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 ΔT50℃ (Ta=25℃).

Saturation Current Curve



Temperature Rise Current Curve

