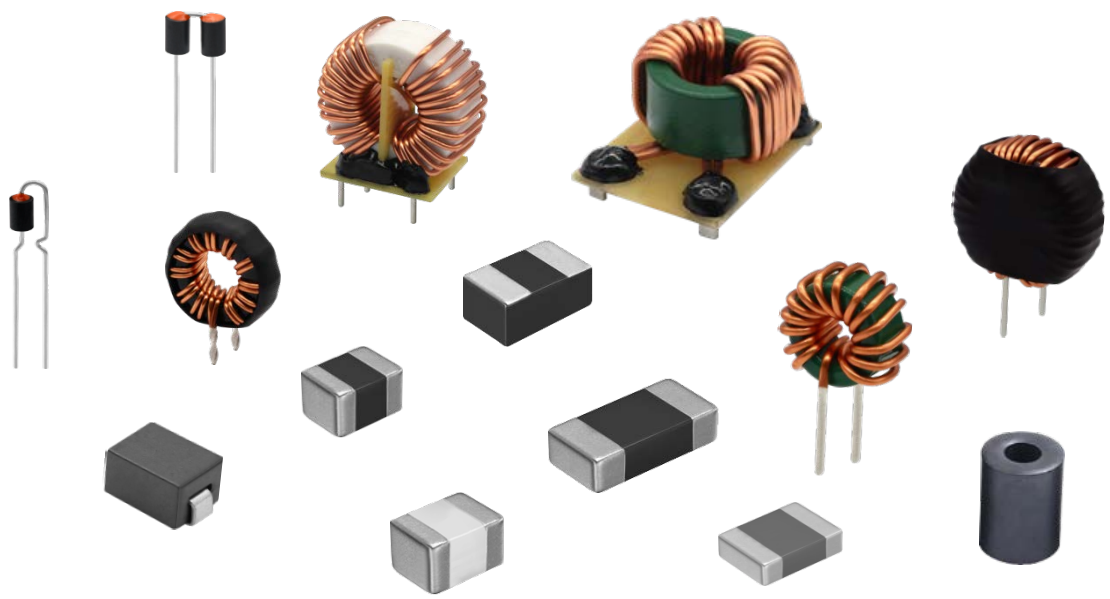
CODACA

PRODUCT CATALOG

EMC Component

-2024



CODACA ELECTRONIC CO.,LTD

CODACA

Shenzhen CODACA Electronic Co., Ltd, is a national high-tech enterprise focusing on developing and manufacturing magnetic components such as power inductors and common mode chokes.

Our company was established in 2001 with headquarters in Shenzhen and production base of 30,000m² in Heyuan, Guangdong Province. We have more than 900 employees.

Our main products include High Current Power Inductor, Molding Power Choke, High Frequency & High Current Power Inductor, High Current Power Inductor for Digital AMP, SMD Power Inductor, DIP Inductor, Rod Inductor and Common Mode Choke, EMC Component. These products have been widely used in markets such as Automotive Electronics, Renewable Energy, Power Supply, Industrial Control, Medical Electronics, Communication Equipment, Digital Amplifier, Motors etc..

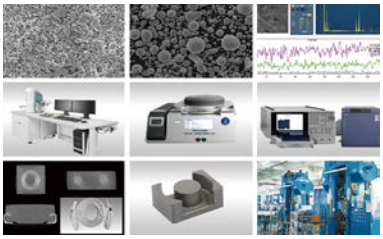
Through co-operating with the global leading material suppliers, we are able to get timely development trends of core materials, furthermore, we set up an inspection and analysis laboratory with professional research on magnetic materials and product failure analysis, a reliability analysis laboratory meeting the requirements of AEC-Q200 certification test. All above has set solid foundation for magnetic powder research and development, raw material analysis, product reliability verification etc..

With continuous efforts to optimize management process, CODACA got certificates of UKAS(UK) ISO9001, ISO14001, , ISO45001 TÜV(GER) IATF16949 and CNAS.

CODACA devotes to serving global customers by high value products and services!

Company Features

Magnetic component manufacturer provides flexible and efficient sample and mass production delivery



Core material developed by CODACA, which makes fast customization possible for high current power inductor

Various standard products in stock, and no MOQ requirement

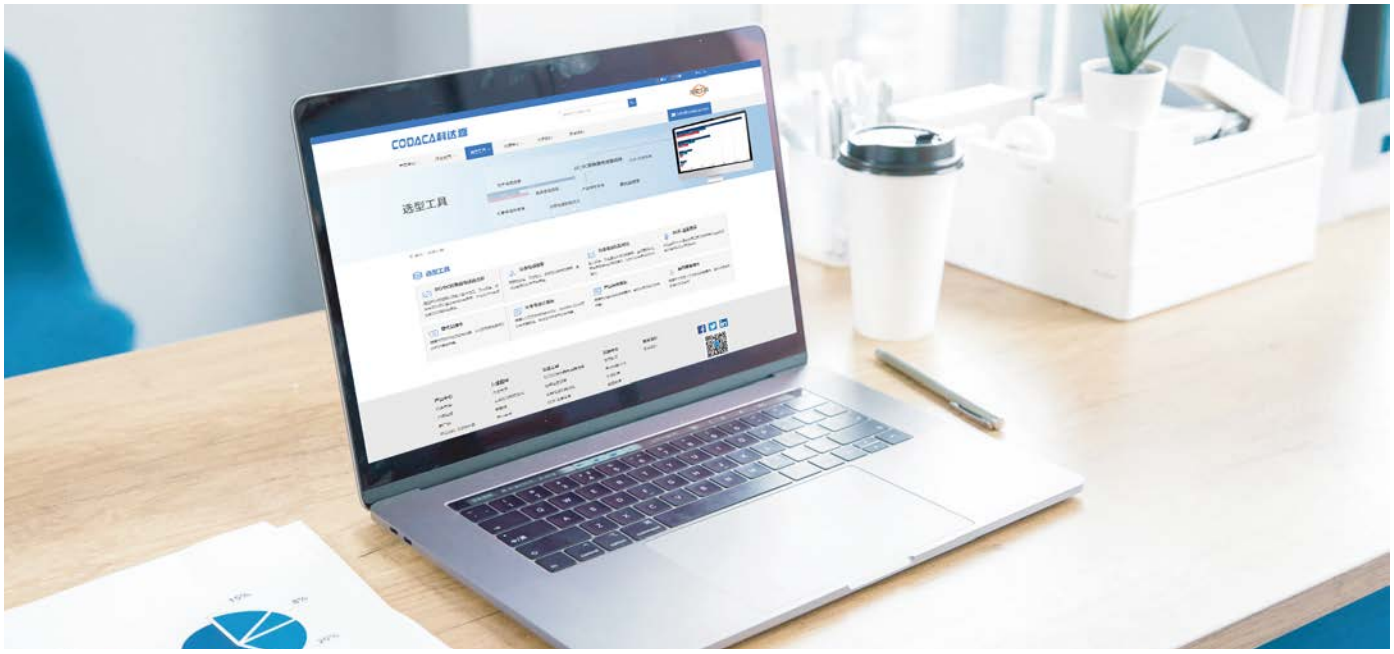
Online design tool, which can realize fast and accurate inductor selection

CNAS certificated laboratory, products meet AEC-Q200 standard

Professional FAE technical support, timely provide solutions

Design Tools

- Quickly select inductors according to practical application parameters
- Help find CODACA inductors to replace commonly used competitor's products
- According to the reference design of IC company, find the applicable inductor products
- Power inductor loss comparison tool to help you find the optimal solution



Inductor Selection for DC-DC Convertor

Power Inductor Finder

DCR @ Temperature Calculator

Reference Design Inductor Finder

CODACA Part No. Finder

Highest Inductance Value Finder

Power Inductor Loss Comparison

Input frequency, ambient temperature, current and other parameters to visually display the saturation, temperature rise and loss comparison of various CODACA power inductor

Cross Reference Inductor Finder

Help find CODACA inductors to replace commonly used competitor's products

Design tool by scanning

Popular Products are Available Ex Stock

NO MOQ requirement

Repackage the quantities of product to your needs

Quality Assurance

Our Environment is Important to Us

As one of leading magnetic component manufacturers, we are fully conscious of our responsibility for the environment and its protection

Directives

All components meet (RoHS Directive) 2011 / 65EU and 2015 / 863 / China RoHS regarding the restriction of the use of defined hazardous substances in electrical and electronic devices

All components and homogeneous subcomponents are tested according to the current version of the"list of candidates of the substances of very high concern(SVHC)

All components meet “Halogen Free” according to JEDECJS 709B & IEC 61249-2-21

Please contact us if you need declaration obligatory ingredients according to RoHS & REACH conformity

Laboratory with AEC-Q200 Standard

Measurement Lab

- High Frequency Impedance Analyzer
- High Frequency LCR Tester
- Precision Micro Resistance Meter
- Programmable Constant Current Source
- Withstand Voltage Tester

Environmental Lab

- Constant Temp & Hum Test Chamber
- Thermal Shock Test Chamber
- Double-layer Temperature Test Chamber
- High and Low Temperature Test Chamber
- Steam Aging Tester
- Salt Spray Tester

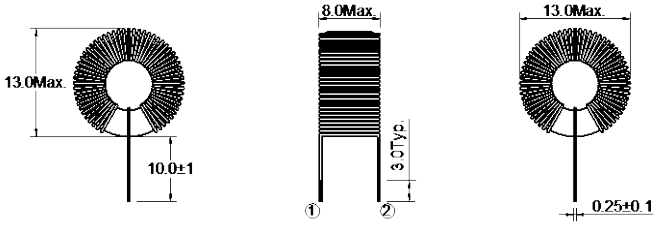
Analytical Lab

- X-Ray Inspection System
- Scanning Electron Microscope
- XRF Spectrograph
- BH Analyzer
- Particle Size Analyzer
- Cross Sectioning and Polishing Tester
- Electric Vibration System
- Mechanical Shock Tester
- Universal Testing Machine
- Drop Tester
- Wetting Balance
- Reflow Oven
- Wave Soldering Machine

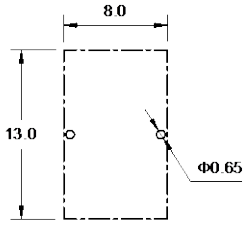
TCM100505DRS

Operating temperature range: - 40℃~+125℃

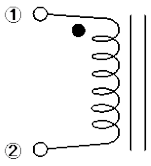
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic



Construction

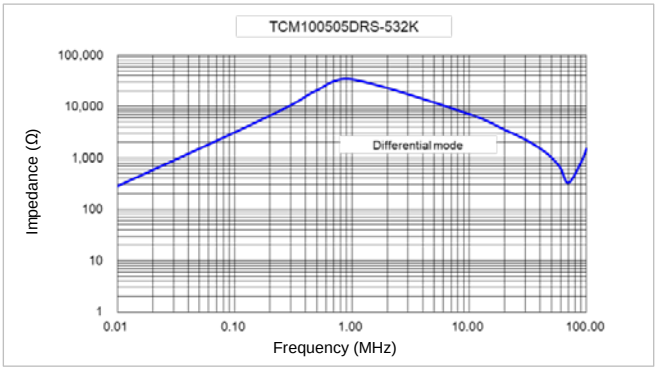
Wire

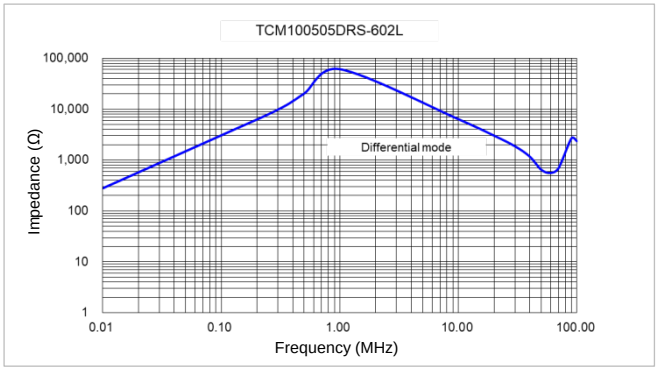
Electrical Characteristics

Part No.	Inductance (mH) ※1	D.C.R. (mΩ) Max.	A.C.R (Ω)	Rated Current (A) ※2 Typ.
TCM100505DRS-532K	5.30±10%	400	50.0 Max.	0.25
TCM100505DRS-602L	6.00±15%	450	10~50	0.25

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 10KHz, 1.0V.
※2 Rated current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve



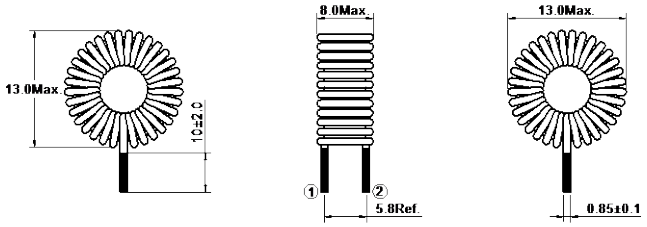


TCM100605DRS

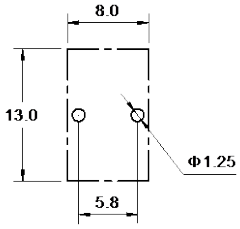
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

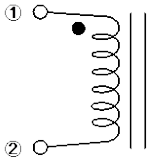
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

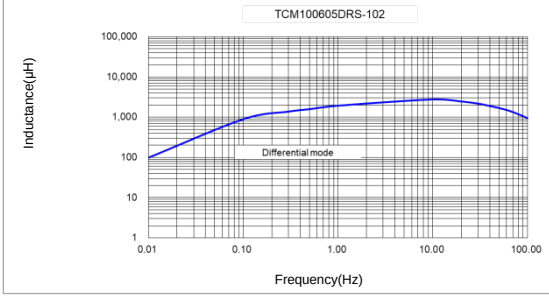


Electrical Characteristics

Part No.	Inductance (mH) ※1	D.C.R. (mΩ)	Rated Current (A) ※2
	Min.	Max.	Typ.
TCM100605DRS-102	1.00	16.0	8.00

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 1.0KHz, 0.3V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Inductance vs Frequency Curve

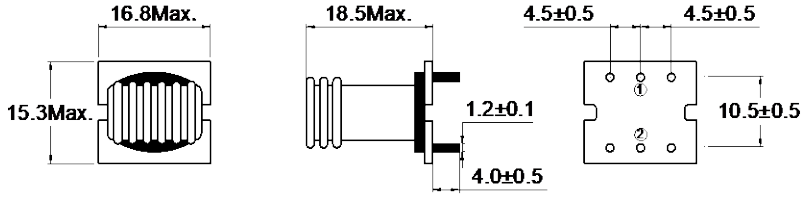


TCMB140809DRS

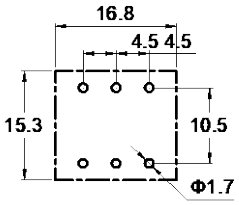
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

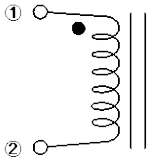
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

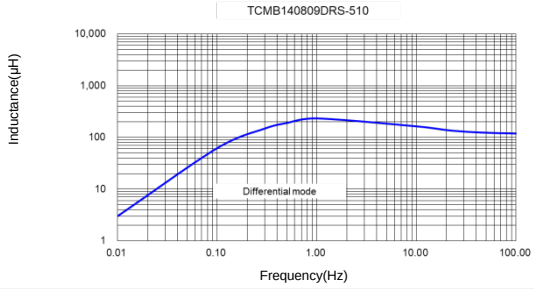


Electrical Characteristics

Part No.	Inductance (μH) ※1	D.C.R. (mΩ)		Rated Current (A) ※2
	Min.	Typ.	Max.	Typ.
TCMB140809DRS-510	51.0	1.30	1.60	45.0

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 10KHz, 0.1V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Inductance vs Frequency Curve

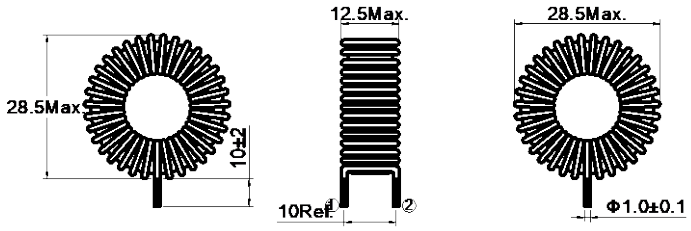


TCI942RS

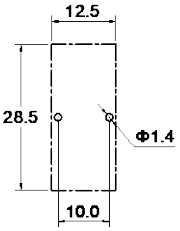
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

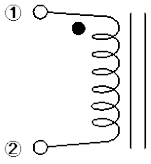
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

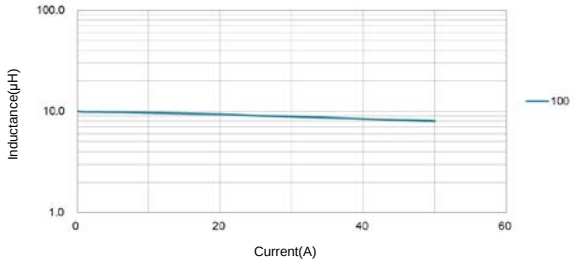


Electrical Characteristics

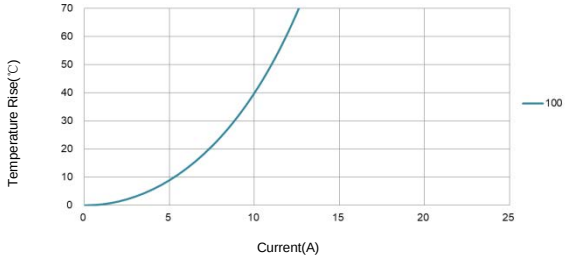
Part No.	Inductance (μH) ※1	D.C.R. (mΩ)	Saturation Current (A) ※2	Temperature Rise Current (A) ※3
	±20%	Max.	Typ.	Typ.
TCI942RS-100M	10.0	30.0	75.0	10.0

■ 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

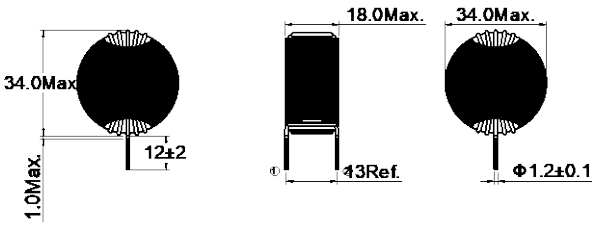


TCI1062RST

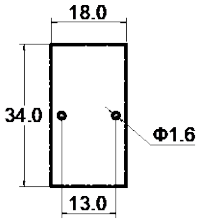
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

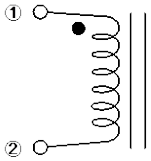
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

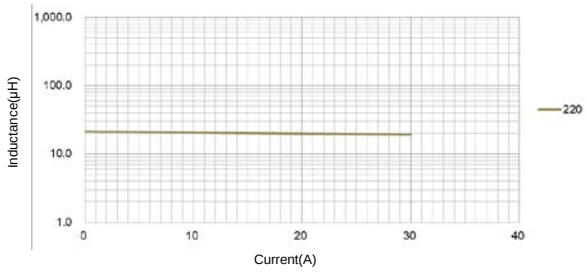


Electrical Characteristics

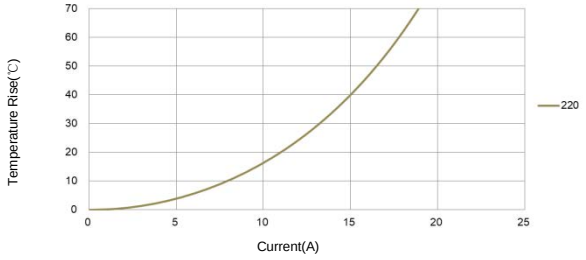
Part No.	Inductance (μH) ※1	D.C.R. (mΩ)	Saturation Current (A) ※2	Temperature Rise Current (A) ※3
	±10%	Max.	Typ.	Typ.
TCI1062RST-220K	22.0	31.0	85.0	15.0

■ 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



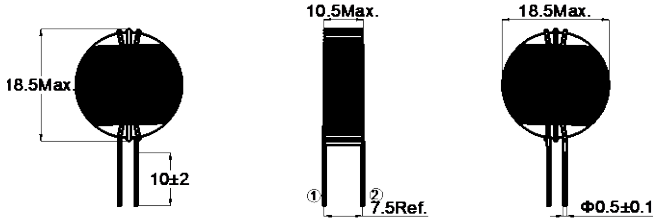
TCI6026RST

Operating temperature range: - 40℃~+125℃

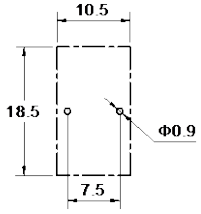
Construction

Wire

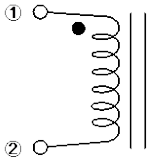
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

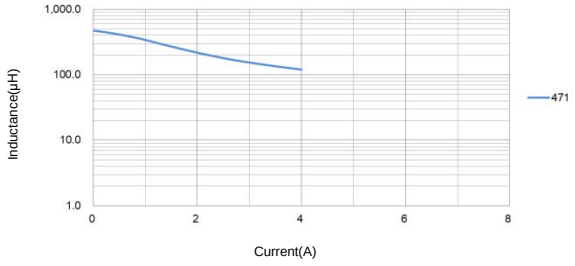


Electrical Characteristics

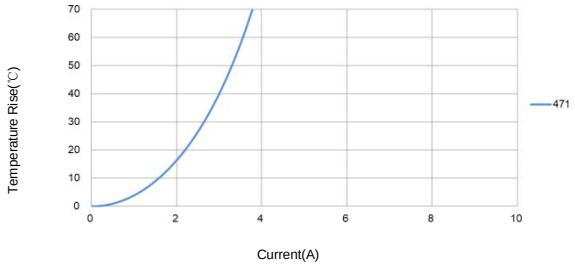
Part No.	Inductance (μH) ※1	D.C.R. (mΩ)	Saturation Current (A) ※2	Temperature Rise Current (A) ※3
	±20%	Max.	Typ.	Typ.
TCI6026RST-471M	470	275	0.80	3.00

■ 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 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



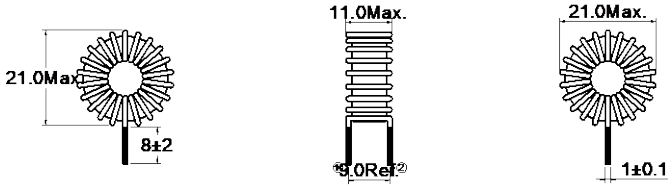
TCS065125RS

Operating temperature range: - 40℃~+125℃

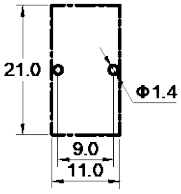
Construction

Wire

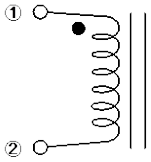
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

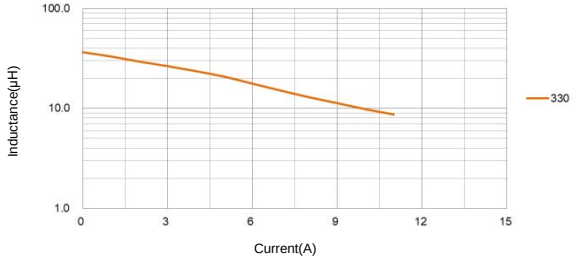


Electrical Characteristics

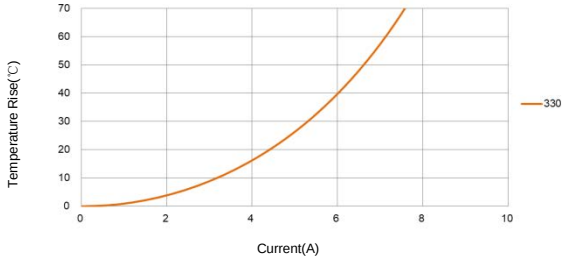
Part No.	Inductance (μH) ※1	D.C.R. (mΩ)	Saturation Current (A) ※2	Temperature Rise Current (A) ※3
	±20%	Max.	Typ.	Typ.
TCS065125RS-330M	33.0	15.0	3.60	6.00

■ 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



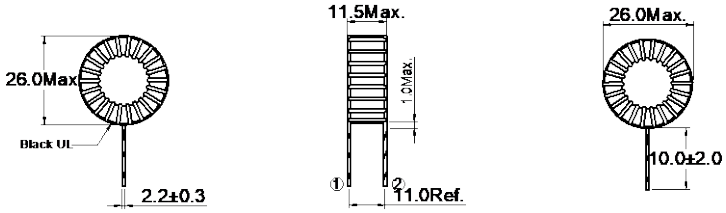
TCS080125RST

Operating temperature range: - 40℃~+125℃

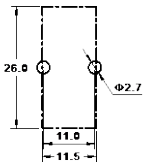
Construction

Wire

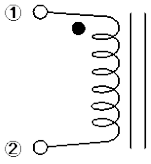
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

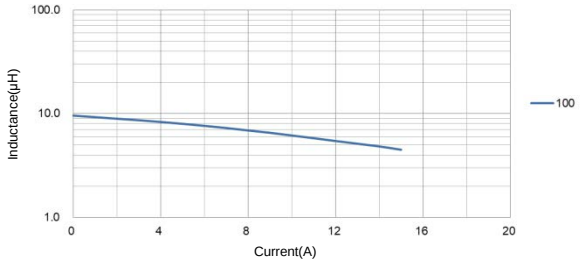


Electrical Characteristics

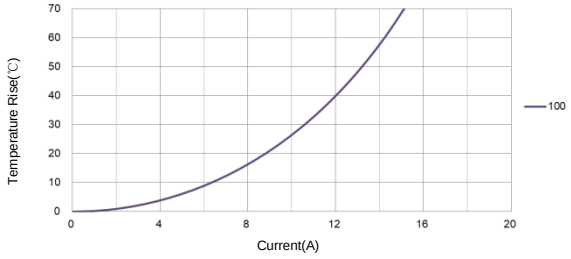
Part No.	Inductance (μH) ※1	D.C.R. (mΩ)	Saturation Current (A) ※2	Temperature Rise Current (A) ※3
	±20%	Max.	Typ.	Typ.
TCS080125RST-100M	10.0	10.0	8.90	12.0

■ 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



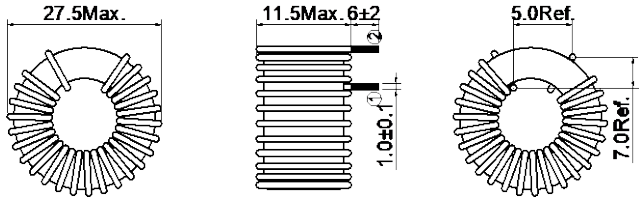
TCS090060RL

Operating temperature range: - 40℃~+125℃

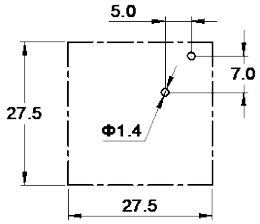
Construction

Wire

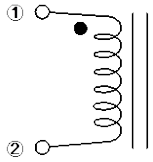
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

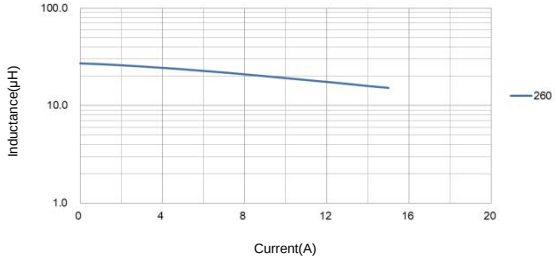


Electrical Characteristics

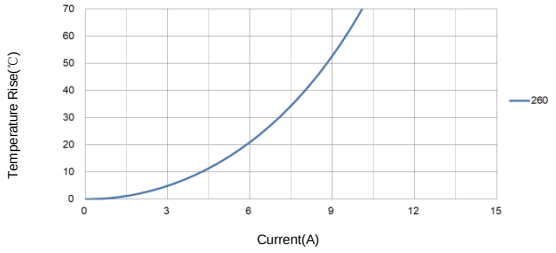
Part No.	Inductance (μH) ※1	D.C.R. (mΩ)	Saturation Current (A) ※2	Temperature Rise Current (A) ※3
	±20%	Max.	Typ.	Typ.
TCS090060RL-260M	26.0	20.0	10.5	8.00

■ 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℃).

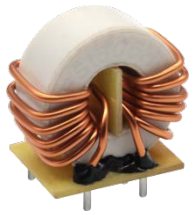
Saturation Current Curve



Temperature Rise Current Curve



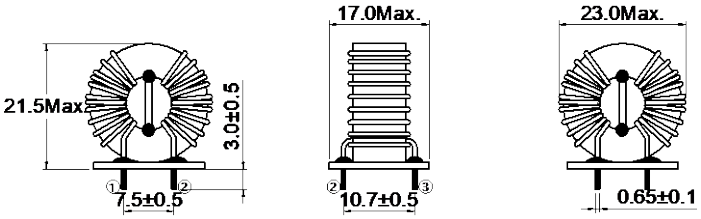
TCAB161007CRS



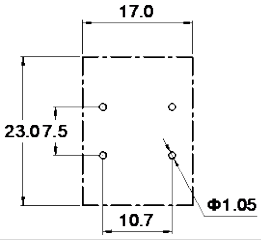
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

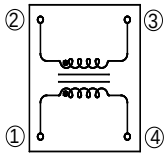
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

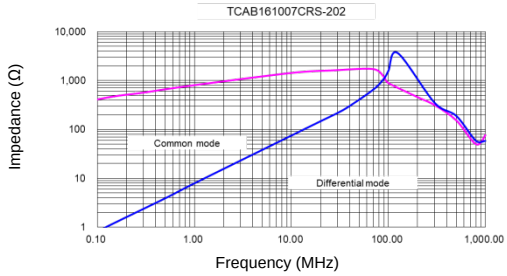


Electrical Characteristics

Part No.	Inductance (mH) ※1	D.C.R. (mΩ)	Rated Current (A) ※2
	±50%	Max.	Typ.
TCAB161007CRS-202	2.00	6.00	10.0

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 10KHz, 0.1V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve



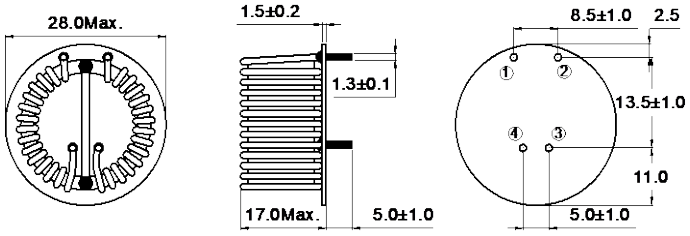
TCAB201208CRL

Operating temperature range: - 40℃~+125℃

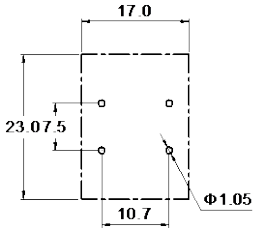
Construction

Wire

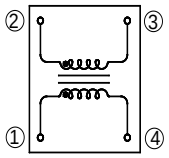
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

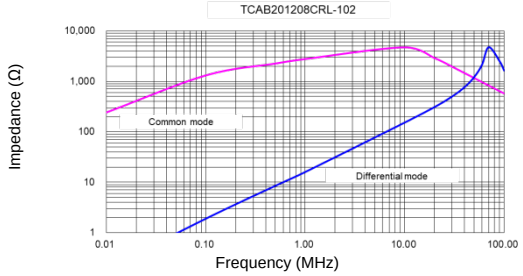


Electrical Characteristics

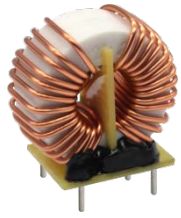
Part No.	Inductance (mH) ※1	D.C.R. (mΩ)	Rated Current (A) ※2	Rated Voltage (V)
	Min.	Max.	Typ.	Max.
TCAB201208CRL-102	1.00	11.0	18.0	250

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 10KHz, 0.3V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve



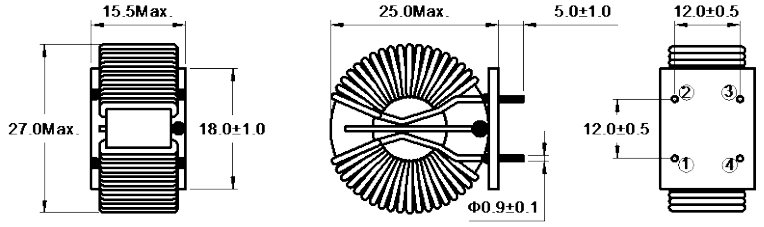
TCAB201208CRS



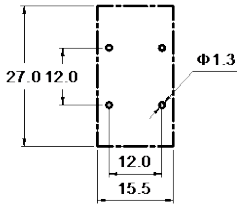
Operating temperature range: - 40℃~+125℃

Construction	Wire
○	●

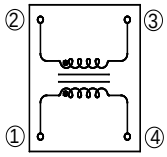
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

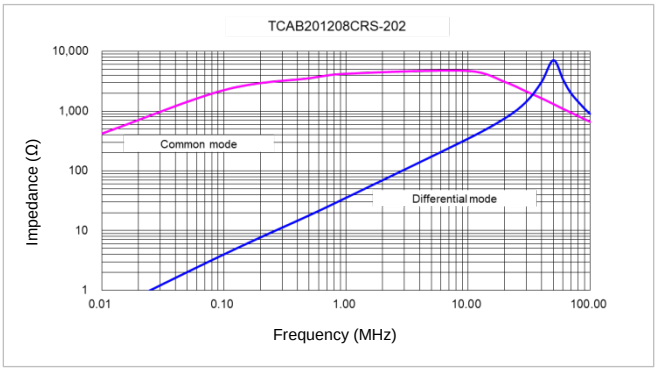


Electrical Characteristics

Part No.	Inductance (mH) ※1	D.C.R. (mΩ)	Leakage Inductance (μH)	Rated Current (A) ※2	Rated Voltage (V)	Hi-pot (Vac)
	Min.	Max.	Typ.	Typ.	Max.	1mA 3S
TCAB201208CRS-202	2.00	24.0	10.0	18.0	250	1,500

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 10KHz, 0.1V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve

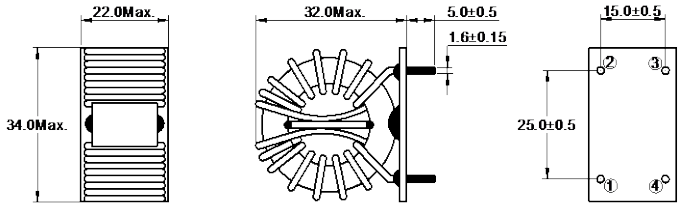


TCAB252010CRS

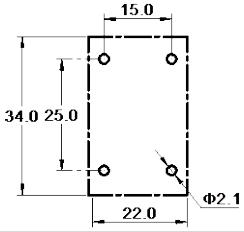
Operating temperature range: - 40℃~+125℃

Construction	Wire
○	●

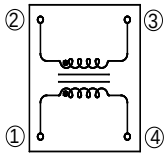
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

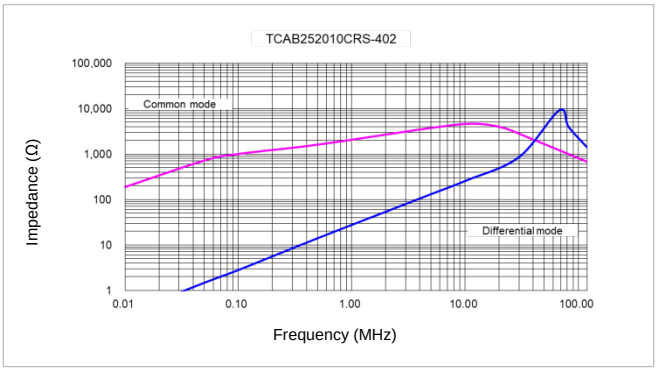


Electrical Characteristics

Part No.	Inductance (mH) ※1	D.C.R. (mΩ)	Rated Current (A) ※2	Hi-pot (Vac)
	±50%	Max.	Typ.	2mA 60S
TCAB252010CRS-402	4.00	5.50	20.0	2,500

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 1.0KHz, 0.25V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve

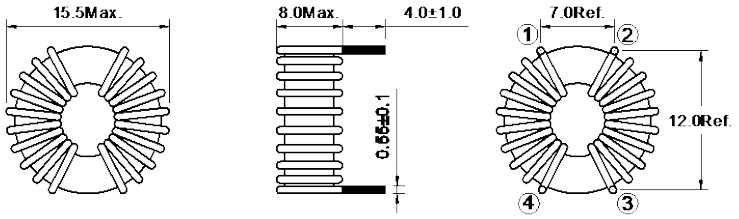


TCM120604CRL

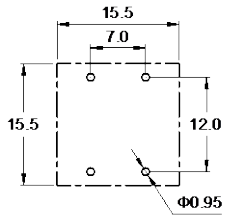
Operating temperature range: - 40℃~+125℃

Construction	Wire
○	●

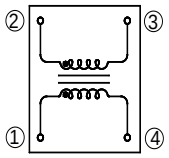
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

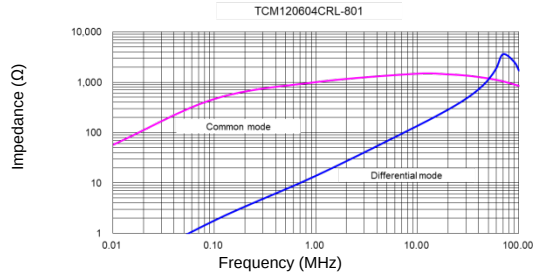


Electrical Characteristics

Part No.	Inductance (μH) ※1	D.C.R. (mΩ)	Rated Current (A) ※2
	Min.	Max.	Typ.
TCM120604CRL-801	800	35.0	2.50

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 10KHz, 0.1V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve

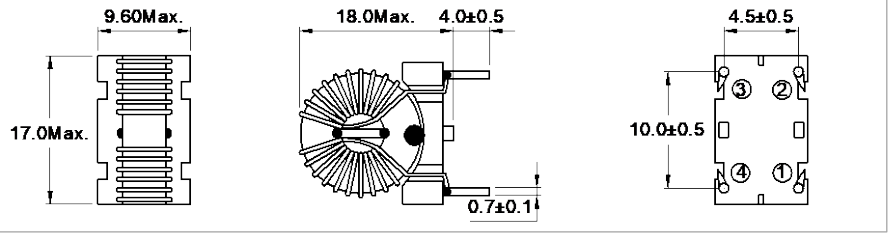


TCMB120604CRS

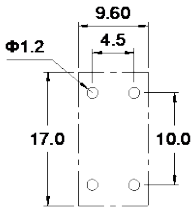
Operating temperature range: - 40℃~+105℃

Construction	Wire
	

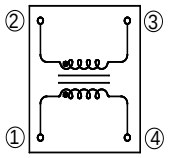
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

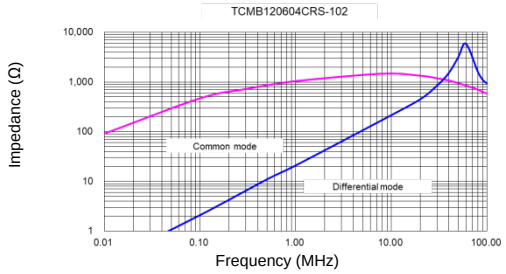


Electrical Characteristics

Part No.	Inductance (mH) ※1	D.C.R. (mΩ)	Rated Current (A) ※2	Rated Voltage (V)
	±35%	Max.	Typ.	1mA 3S
TCMB120604CRS-102	1.00	40.0	3.00	1,500

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 10KHz, 0.1V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve

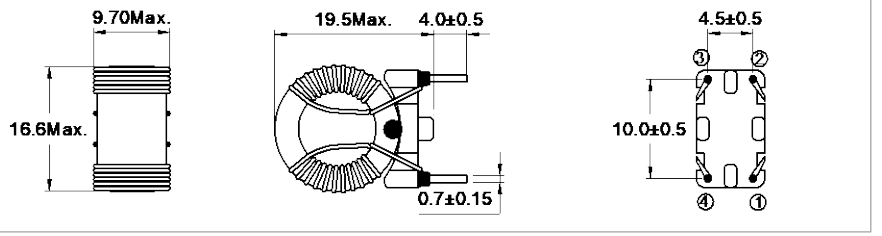


TCMB120707CRS

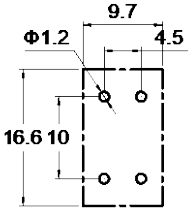
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

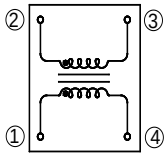
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

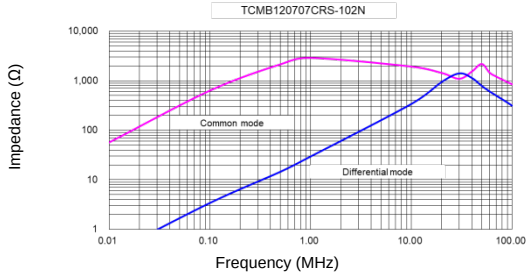


Electrical Characteristics

Part No.	Inductance (mH) ※1	D.C.R. (mΩ)	Rated Current (A) ※2	Hi-pot (Vac)
	±30%	Max.	Typ.	1mA 3S
TCMB120707CRS-102N	1.00	42.0	2.00	1,500

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 10KHz, 0.1V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve

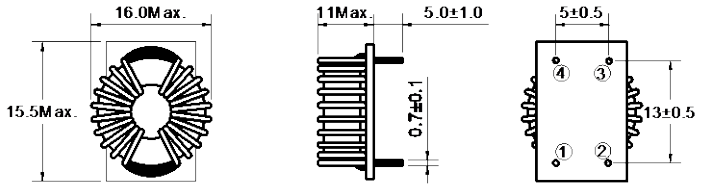


TCMB130806CRL

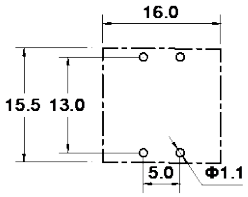
Operating temperature range: - 40℃~+120℃

Construction	Wire
○	●

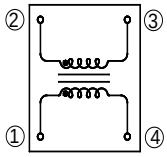
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

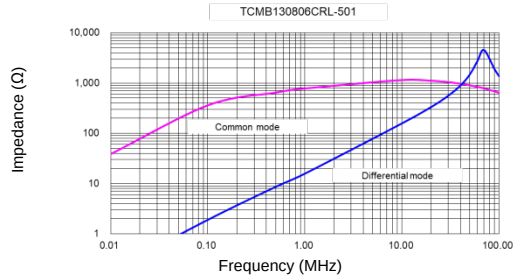


Electrical Characteristics

Part No.	Inductance (μH) ※1	D.C.R. (mΩ)	Rated Current (A) ※2
	Min.	Max.	Typ.
TCMB130806CRL-501	500	15.0	9.00

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 1.0KHz, 0.3V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve

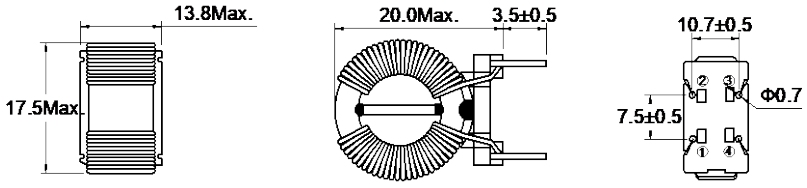


TCMB140809CRS

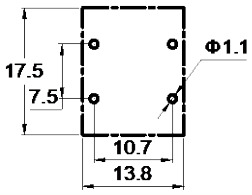
Operating temperature range: - 40℃~+120℃

Construction	Wire
○	●

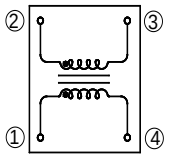
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

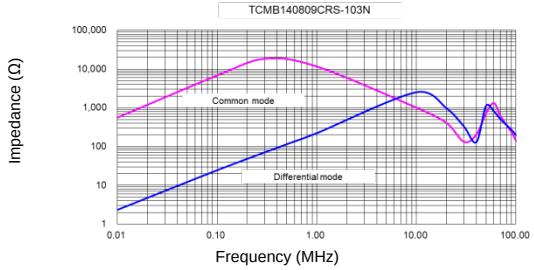


Electrical Characteristics

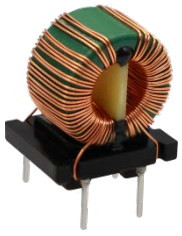
Part No.	Inductance (mH) ※1	D.C.R. (mΩ)	Rated Current (A) ※2	Rated Voltage (V)	Hi-pot (Vac)
	±30%	Max.	Typ.	Max.	5mA 2S
TCMB140809CRS-103N	10.0	360	1.00	250	1,500

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 10KHz, 0.1V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve



TCMB201010CRS

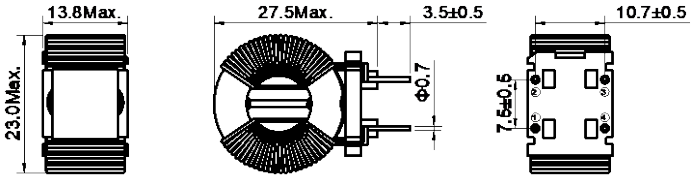


Operating temperature range: - 40℃~+125℃

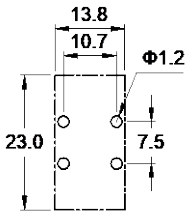
Construction

Wire

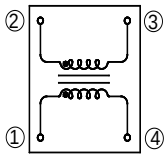
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

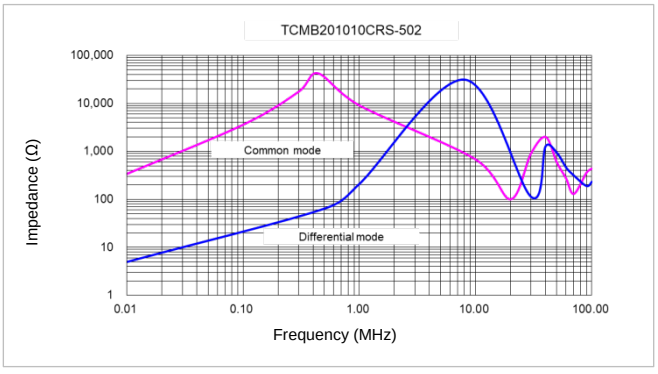


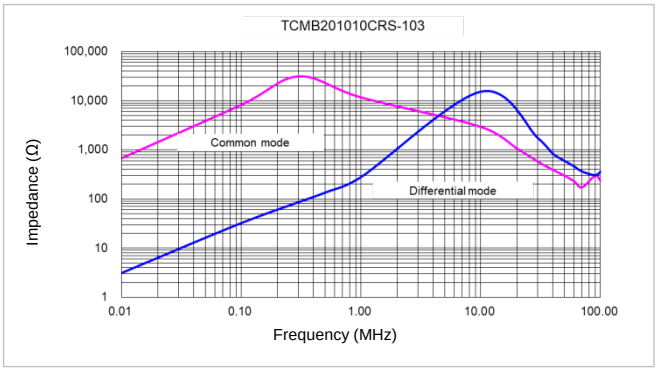
Electrical Characteristics

Part No.	Inductance (mH) ※1	D.C.R. (mΩ)	Rated Current (A) ※2	Rated Voltage (V)	Hi-pot (Vac)
	±30%	Max.	Typ.	Max.	5mA 2S
TCMB201010CRS-502N	5.00	95.0	2.50	250	1,500
TCMB201010CRS-103N	10.0	125	2.00	250	1,500

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 1.0KHz, 0.25V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve



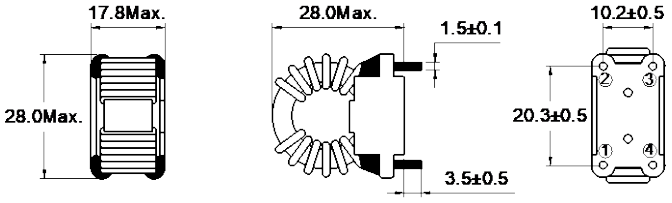


TCMB221408CRS

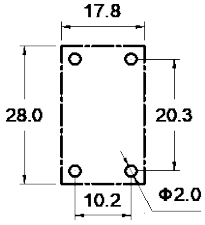
Operating temperature range: - 40℃~+125℃

Construction	Wire
○	●

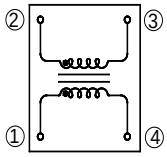
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

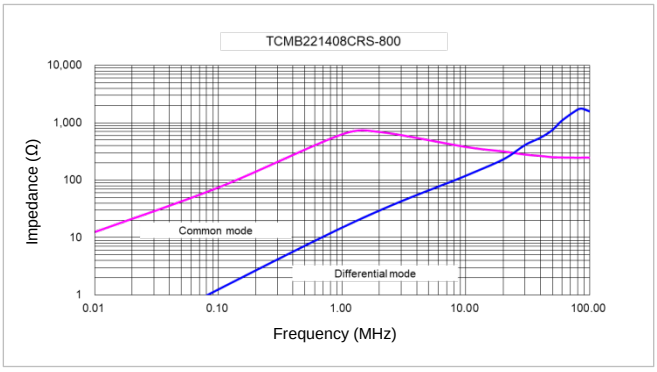


Electrical Characteristics

Part No.	Inductance (μH) ※1	D.C.R. (mΩ)	Rated Current (A) ※2	Rated Voltage (V)	Hi-pot (Vac)
	Min.	Max.	Typ.	Max.	1mA 3S
TCMB221408CRS-800	80.0	2.50	10.0	250	1,500

■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 1.0KHz, 0.3V.
※2 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve

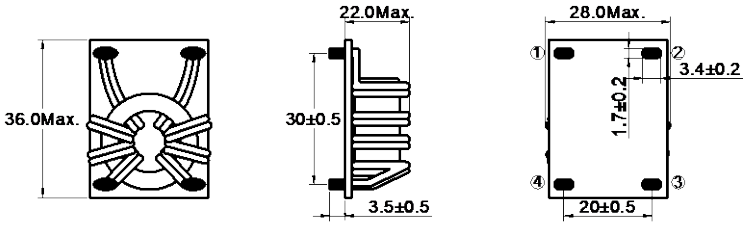


TCMB221413CRL

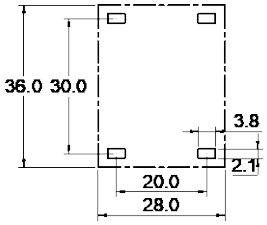
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

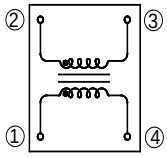
Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



Schematic

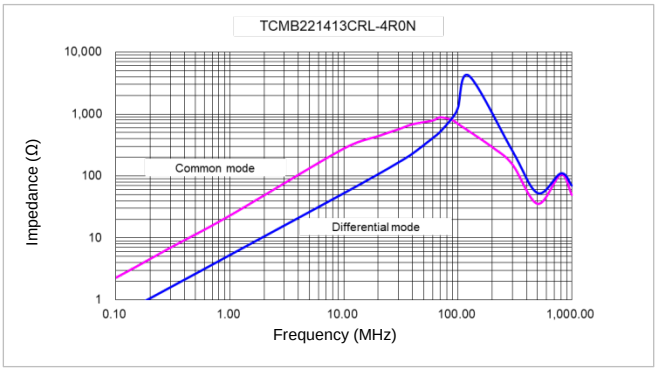


Electrical Characteristics

Part No.	Inductance (μH) ※1	Inductance Balance ※2	D.C.R. (mΩ)	Rated Current (A) ※3	Hi-pot (Vac)
	±30%	L1/L2	Max.	Typ.	2mA 3S
TCMB221413CRL-4R0N	4.00	1.00±0.01	2.00	32.0	1,500

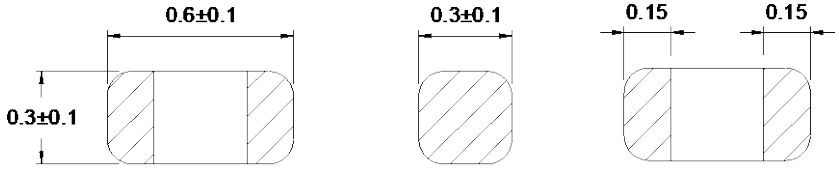
■ All data is tested based on 25℃ ambient temperature.
※1 Inductance measure condition at 100KkHz, 1V.
※2 The inductance ratio of L1 to L2 is 1.00±0.01.
※3 Rated current: the value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

Impedance vs Frequency Curve



CPB0201

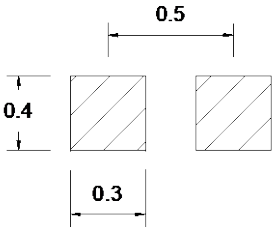
Appearance and Dimensions (mm)



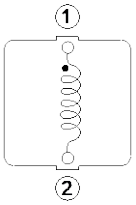
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

Reference Land Pattern (mm)



Schematic

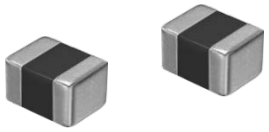


Electrical Characteristics

Part No.	Impedance (Ω) ※1	Test Freq. (MHz/V)	D.C.R. (mΩ)	Temperature Rise Current (A) ※1
			Max.	Max.
CPB0201-220	22.0 ± 25%	100/0.05	40.0	1.80
CPB0201-330	33.0 ± 25%	100/0.05	55.0	1.50
CPB0201-800	80.0 ± 25%	100/0.05	130	1.00
CPB0201-121	120 ± 25%	100/0.05	160	0.90

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

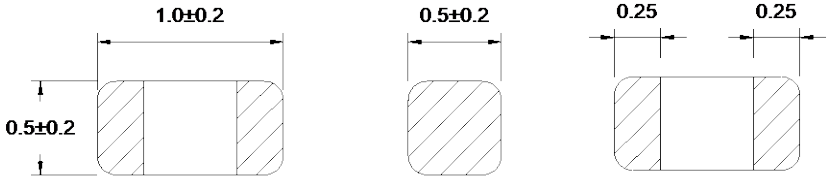
CPB0402



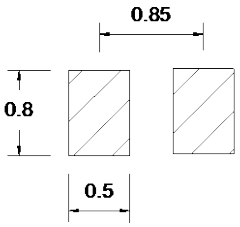
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

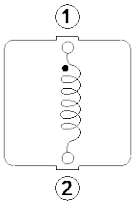
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

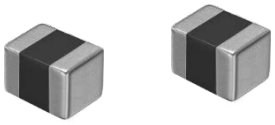


Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq. (MHz/V)	D.C.R. (mΩ)	Temperature Rise Current (A) ※1
			Max.	Max.
CPB0402-150	1.00 ~ 30.0	100/0.05	45.0	2.00
CPB0402-300	30.0 ± 25%	100/0.05	45.0	1.70
CPB0402-600	60.0 ± 25%	100/0.05	75.0	1.50
CPB0402-800	80.0 ± 25%	100/0.05	90.0	1.20
CPB0402-121	120 ± 25%	100/0.05	120	1.20
CPB0402-221	220 ± 25%	100/0.05	160	0.90
CPB0402-471	470 ± 25%	100/0.05	300	0.50
CPB0402-150	1.00 ~ 30.0	100/0.05	45.0	2.00

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

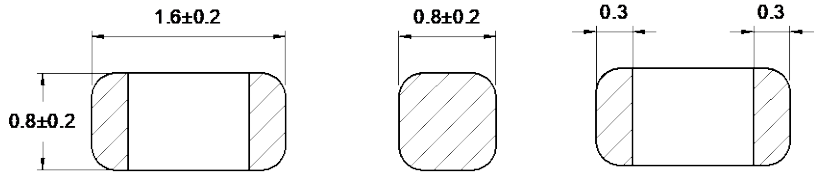
CPB0603



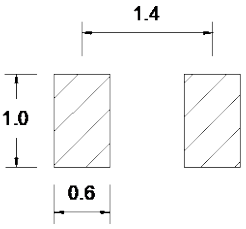
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

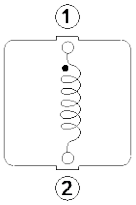
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

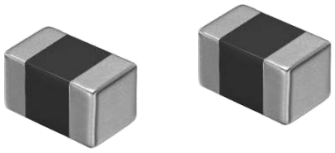


Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq. (MHz/V)	D.C.R. (mΩ)	Temperature Rise Current (A) ※1
			Max.	Max.
CPB0603-050	1.00 ~ 10.0	100/0.05	6.00	6.00
CPB0603-110	11.0 ± 25%	100/0.05	10.0	4.00
CPB0603-190	19.0 ± 25%	100/0.05	30.0	3.00
CPB0603-260	26.0 ± 25%	100/0.05	30.0	3.00
CPB0603-310	31.0 ± 25%	100/0.05	30.0	3.00
CPB0603-470	47.0 ± 25%	100/0.05	30.0	3.00
CPB0603-600	60.0 ± 25%	100/0.05	30.0	3.00
CPB0603-800	80.0 ± 25%	100/0.05	60.0	3.00
CPB0603-101	100 ± 25%	100/0.05	50.0	3.00
CPB0603-121	120 ± 25%	100/0.05	55.0	3.00
CPB0603-151	150 ± 25%	100/0.05	75.0	2.00
CPB0603-221	220 ± 25%	100/0.05	100	2.00
CPB0603-301	300 ± 25%	100/0.05	180	1.00
CPB0603-601	600 ± 25%	100/0.05	300	1.00
CPB0603-102	1,000 ± 25%	100/0.05	500	1.00
CPB0603-122	1,200 ± 25%	100/0.05	650	1.00
CPB0603-152	1,500 ± 25%	50/0.05	800	1.00

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

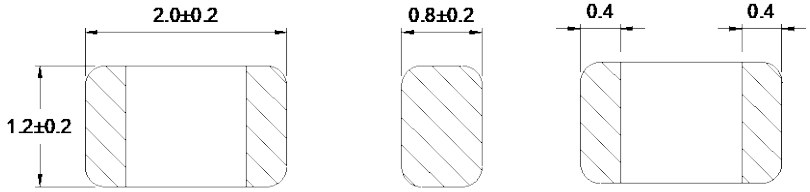
CPB0805



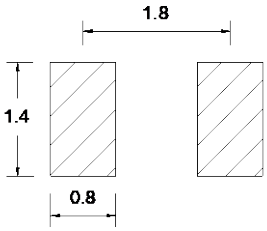
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

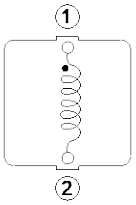
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

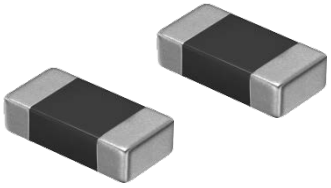


Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq. (MHz/V)	D.C.R. (mΩ)	Temperature Rise Current (A) ※1
			Max.	Max.
CPB0805-050	1.00 ~ 10.0	100/0.05	15.0	4.00
CPB0805-110	11.0 ± 25%	100/0.05	15.0	4.00
CPB0805-190	19.0 ± 25%	100/0.05	15.0	4.00
CPB0805-220	22.0 ± 25%	100/0.05	20.0	3.00
CPB0805-260	26.0 ± 25%	100/0.05	15.0	4.00
CPB0805-310	31.0 ± 25%	100/0.05	20.0	4.00
CPB0805-390	39.0 ± 25%	100/0.05	20.0	4.00
CPB0805-600	60.0 ± 25%	100/0.05	35.0	4.00
CPB0805-800	80.0 ± 25%	100/0.05	40.0	3.00
CPB0805-121	120 ± 25%	100/0.05	50.0	2.00
CPB0805-151	150 ± 25%	100/0.05	60.0	2.00
CPB0805-181	180 ± 25%	100/0.05	60.0	2.00
CPB0805-221	220 ± 25%	100/0.05	60.0	2.00
CPB0805-301	300 ± 25%	100/0.05	100	1.00
CPB0805-421	420 ± 25%	100/0.05	150	1.50
CPB0805-601	600 ± 25%	100/0.05	160	1.50
CPB0805-102	1,000 ± 25%	100/0.05	200	1.00
CPB0805-152	1,500 ± 25%	50/0.05	250	1.00

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

CPB1206

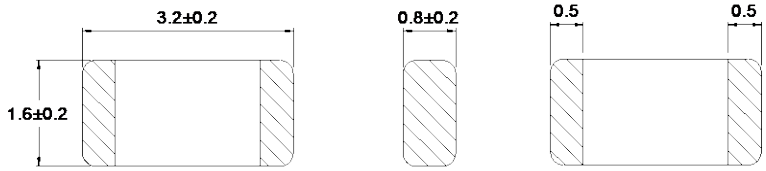


Operating temperature range: - 40℃~+125℃

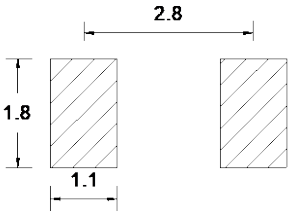
Construction

Wire

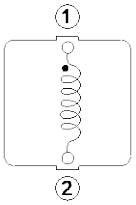
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq. (MHz/V)	D.C.R. (mΩ)	Temperature Rise Current (A) ※1
			Max.	Max.
CPB1206-050	1.00 ~ 10.0	100/0.05	10.0	6.00
CPB1206-110	11.0 ± 25%	100/0.05	10.0	6.00
CPB1206-150	15.0 ± 25%	100/0.05	10.0	6.00
CPB1206-190	19.0 ± 25%	100/0.05	10.0	6.00
CPB1206-260	26.0 ± 25%	100/0.05	10.0	6.00
CPB1206-310	31.0 ± 25%	100/0.05	10.0	6.00
CPB1206-390	39.0 ± 25%	100/0.05	10.0	6.00
CPB1206-600	60.0 ± 25%	100/0.05	15.0	6.00
CPB1206-800	80.0 ± 25%	100/0.05	30.0	3.00
CPB1206-101	100 ± 25%	100/0.05	40.0	3.00
CPB1206-121	120 ± 25%	100/0.05	40.0	3.00
CPB1206-151	150 ± 25%	100/0.05	40.0	3.00
CPB1206-221	220 ± 25%	100/0.05	50.0	3.00
CPB1206-301	300 ± 25%	100/0.05	70.0	3.00
CPB1206-421	420 ± 25%	100/0.05	120	1.50
CPB1206-501	500 ± 25%	100/0.05	120	2.00
CPB1206-601	600 ± 25%	100/0.05	180	1.00
CPB1206-751	750 ± 25%	100/0.05	150	1.00
CPB1206-102	1,000 ± 25%	100/0.05	200	0.50

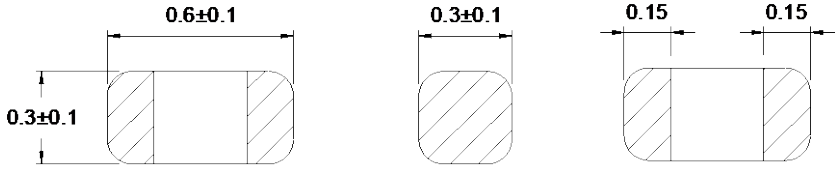
■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

CFB0201

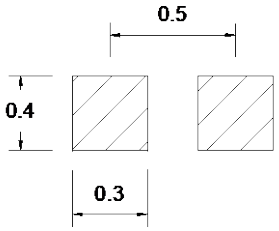
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

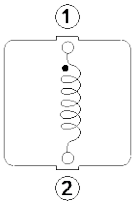
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

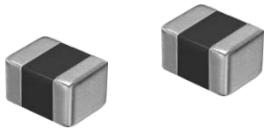


Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq. (MHz/V)	D.C.R. (mΩ)	Temperature Rise Current (A) ※1
			Max.	Max.
CFB0201-600	60.0 ± 25%	100/0.05	400	0.20
CFB0201-800	80.0 ± 25%	100/0.05	600	0.20
CFB0201-121	120 ± 25%	100/0.05	800	0.20
CFB0201-241	240 ± 25%	100/0.05	1,000	0.20
CFB0201-601	600 ± 25%	100/0.05	1,700	0.20

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

CFB0402

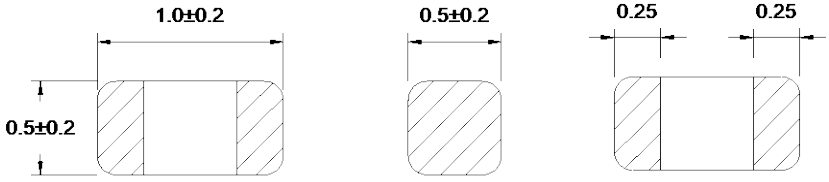


Operating temperature range: - 40℃~+125℃

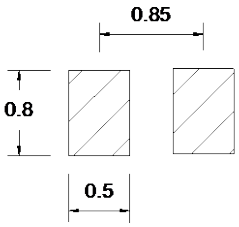
Construction

Wire

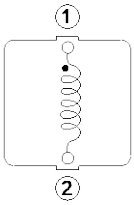
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

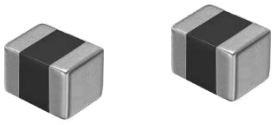


Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq. (MHz/V)	D.C.R. (mΩ)	Temperature Rise Current (A) ※1
			Max.	Max.
CFB0402-070	1.00 ~ 15.0	100/0.05	150	0.55
CFB0402-190	19.0 ± 25%	100/0.05	200	0.50
CFB0402-260	26.0 ± 25%	100/0.05	250	0.40
CFB0402-310	31.0 ± 25%	100/0.05	250	0.35
CFB0402-470	47.0 ± 25%	100/0.05	300	0.30
CFB0402-500	50.0 ± 25%	100/0.05	300	0.25
CFB0402-600	60.0 ± 25%	100/0.05	300	0.25
CFB0402-700	70.0 ± 25%	100/0.05	350	0.25
CFB0402-800	80.0 ± 25%	100/0.05	350	0.25
CFB0402-101	100 ± 25%	100/0.05	400	0.20
CFB0402-121	120 ± 25%	100/0.05	400	0.20
CFB0402-151	150 ± 25%	100/0.05	450	0.15
CFB0402-201	200 ± 25%	100/0.05	450	0.15
CFB0402-221	220 ± 25%	100/0.05	450	0.15
CFB0402-301	300 ± 25%	100/0.05	500	0.12
CFB0402-501	500 ± 25%	100/0.05	800	0.10
CFB0402-601	600 ± 25%	100/0.05	900	0.10
CFB0402-751	750 ± 25%	100/0.05	1,000	0.10
CFB0402-801	800 ± 25%	100/0.05	1,000	0.10
CFB0402-102	1,000 ± 25%	100/0.05	1,200	0.05
CFB0402-122	1,200 ± 25%	100/0.05	1,600	0.04
CFB0402-152	1,500 ± 25%	100/0.05	2,200	0.03
CFB0402-202	2,000 ± 25%	100/0.05	2,600	0.03

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

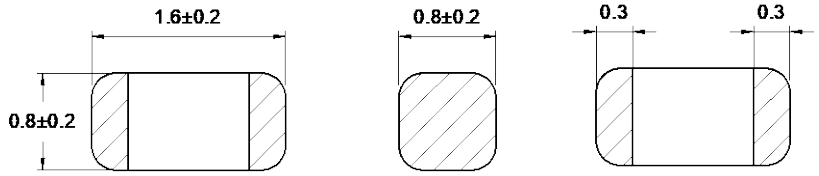
CFB0603



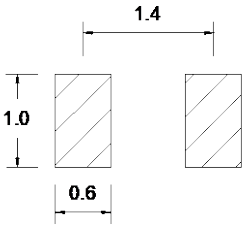
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

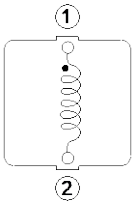
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

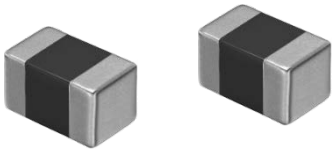


Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq. (MHz/V)	D.C.R. (mΩ)	Temperature Rise Current (A) ※1
			Max.	Max.
CFB0603-070	1.00 ~ 15.0	100/0.05	50.0	2.00
CFB0603-190	19.0 ± 25%	100/0.05	70.0	2.00
CFB0603-260	26.0 ± 25%	100/0.05	70.0	2.00
CFB0603-310	31.0 ± 25%	100/0.05	70.0	2.00
CFB0603-470	47.0 ± 25%	100/0.05	70.0	1.00
CFB0603-600	60.0 ± 25%	100/0.05	80.0	0.60
CFB0603-800	80.0 ± 25%	100/0.05	120	0.60
CFB0603-101	100 ± 25%	100/0.05	140	0.50
CFB0603-121	120 ± 25%	100/0.05	160	0.40
CFB0603-151	150 ± 25%	100/0.05	160	0.40
CFB0603-181	180 ± 25%	100/0.05	250	0.30
CFB0603-221	220 ± 25%	100/0.05	300	0.30
CFB0603-301	300 ± 25%	100/0.05	350	0.30
CFB0603-471	470 ± 25%	100/0.05	350	0.30
CFB0603-501	500 ± 25%	100/0.05	350	0.30
CFB0603-601	600 ± 25%	100/0.05	400	0.30
CFB0603-751	750 ± 25%	100/0.05	500	0.30
CFB0603-102	1,000 ± 25%	100/0.05	550	0.25
CFB0603-122	1,200 ± 25%	100/0.05	600	0.20
CFB0603-152	1,500 ± 25%	50/0.05	850	0.20
CFB0603-182	1,800 ± 25%	50/0.05	1,000	0.15
CFB0603-202	2,000 ± 25%	50/0.05	1,100	0.15
CFB0603-222	2,200 ± 25%	50/0.05	1,200	0.15
CFB0603-252	2,500 ± 25%	50/0.05	1,400	0.08
CFB0603-302	3,000 ± 25%	50/0.05	1,800	0.05

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

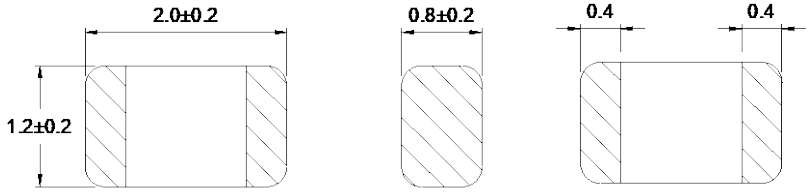
CFB0805



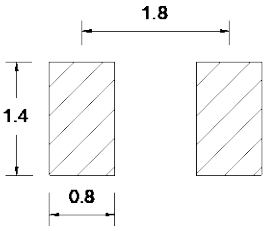
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

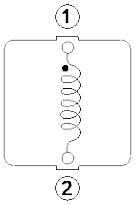
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

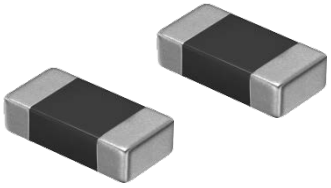


Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq. (MHz/V)	D.C.R. (mΩ)	Temperature Rise Current (A) ※1
			Max.	Max.
CFB0805-070	1.00 ~ 15.0	100/0.05	20.0	2.00
CFB0805-190	19.0 ± 25%	100/0.05	20.0	2.00
CFB0805-300	30.0 ± 25%	100/0.05	30.0	2.00
CFB0805-470	47.0 ± 25%	100/0.05	50.0	1.50
CFB0805-600	60.0 ± 25%	100/0.05	60.0	1.20
CFB0805-800	80.0 ± 25%	100/0.05	80.0	1.20
CFB0805-101	100 ± 25%	100/0.05	100	1.00
CFB0805-121	120 ± 25%	100/0.05	100	1.00
CFB0805-181	180 ± 25%	100/0.05	120	0.80
CFB0805-221	220 ± 25%	100/0.05	150	0.65
CFB0805-301	300 ± 25%	100/0.05	200	0.65
CFB0805-421	420 ± 25%	100/0.05	200	0.65
CFB0805-501	500 ± 25%	100/0.05	220	0.65
CFB0805-601	600 ± 25%	100/0.05	250	0.65
CFB0805-751	750 ± 25%	100/0.05	280	0.55
CFB0805-102	1,000 ± 25%	100/0.05	350	0.55
CFB0805-122	1,200 ± 25%	100/0.05	400	0.40
CFB0805-152	1,500 ± 25%	50/0.05	450	0.35
CFB0805-202	2,000 ± 25%	50/0.05	550	0.25
CFB0805-252	2,500 ± 25%	50/0.05	700	0.20

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

CFB1206

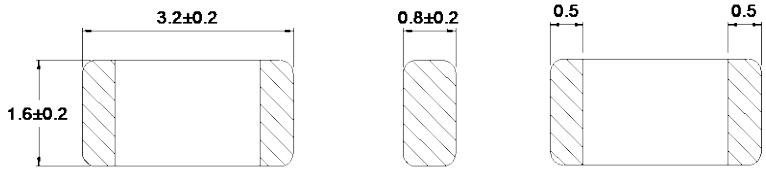


Operating temperature range: - 40℃~+125℃

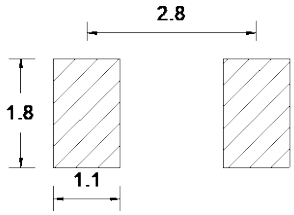
Construction

Wire

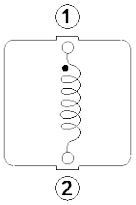
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq. (MHz/V)	D.C.R. (mΩ)	Temperature Rise Current (A) ※1
			Max.	Max.
CFB1206-070	1.00 ~ 15.0	100/0.05	20.0	2.50
CFB1206-190	19.0 ± 25%	100/0.05	30.0	2.50
CFB1206-260	26.0 ± 25%	100/0.05	40.0	2.50
CFB1206-310	31.0 ± 25%	100/0.05	40.0	2.20
CFB1206-470	47.0 ± 25%	100/0.05	50.0	1.50
CFB1206-600	60.0 ± 25%	100/0.05	50.0	1.20
CFB1206-800	80.0 ± 25%	100/0.05	50.0	1.20
CFB1206-101	100 ± 25%	100/0.05	50.0	1.20
CFB1206-121	120 ± 25%	100/0.05	60.0	1.20
CFB1206-181	180 ± 25%	100/0.05	80.0	0.80
CFB1206-221	220 ± 25%	100/0.05	100	0.80
CFB1206-301	300 ± 25%	100/0.05	100	0.80
CFB1206-421	420 ± 25%	100/0.05	150	0.80
CFB1206-501	500 ± 25%	100/0.05	200	0.65
CFB1206-601	600 ± 25%	100/0.05	200	0.65
CFB1206-801	800 ± 25%	100/0.05	350	0.55
CFB1206-102	1,000 ± 25%	100/0.05	400	0.55
CFB1206-122	1,200 ± 25%	100/0.05	450	0.40
CFB1206-152	1,500 ± 25%	50/0.05	550	0.30
CFB1206-202	2,000 ± 25%	50/0.05	600	0.25
CFB1206-252	2,500 ± 25%	50/0.05	1,000	0.10

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

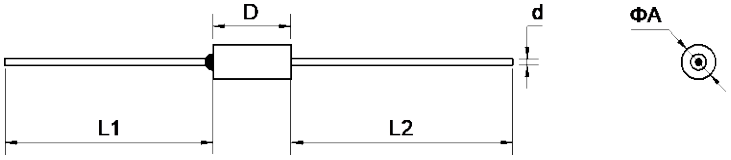
RH Series

Operating temperature range: - 40℃~+85℃

Construction

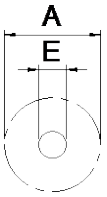
Wire

Appearance and Dimensions (mm)

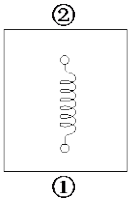


Part No.	ΦA (mm)	D (mm)	D (mm)	| L1-L2 | (mm)	E (mm)
RH254008-350	2.50±0.30	4.00±0.30	0.65±0.05	1.40 Max.	1.0 Ref.
RH356008-700	3.50±0.30	6.00±0.30	0.65±0.05	1.40 Max.	1.0 Ref.
RH3514008-141	3.50±0.30	14.0±0.30	0.65±0.05	1.40 Max.	1.0 Ref.

Reference Hole Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Impedance (Ω) ※1		D.C.R. (mΩ)	Rated Current (A) ※2	Hi-pot (Vdc)	Insulation Resistance (mΩ)
	Min.		Max.	Max.	2mA 3S	Min.
RH254008-350	25.0	35.0	10.0	7.00	500	100
RH356008-700	40.0	70.0	10.0	7.00	500	100
RH3514008-141	90.0	140	10.0	7.00	500	100

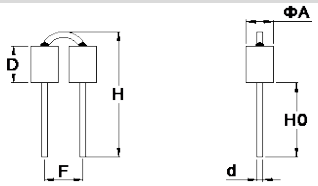
■ All data is tested on 25℃ ambient temperature.
※1 Impedance measure condition at 25MHz, 0.05V, 100MHz, 0.05V.
※2 Rated current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

RHD Series

Operating temperature range: - 40℃~+85℃

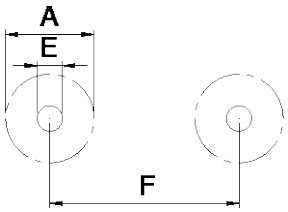
Construction	Wire
○	●

Appearance and Dimensions (mm)

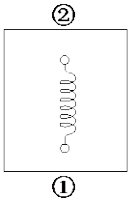


Part No.	A (mm)	D (mm)	D (mm)	F (mm)	H (mm)	H0 (mm)	E (mm)
RHD254508-800	2.50±0.20	4.50±0.30	0.65±0.05	7.5±0.5	32.5Max.	18.5±1.00	1.0Ref.
RHD356508-151	3.50±0.20	6.50±0.30	0.65±0.05	7.5±0.5	32.5Max.	18.5±1.00	1.0Ref.
RHD3510008-201	3.50±0.20	10.0±0.30	0.65±0.05	7.5±0.5	32.5Max.	18.5±1.00	1.0Ref.

Reference Hole Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Impedance (Ω) ※1		D.C.R. (mΩ)	Rated Current (A) ※2	Hi-pot (Vdc)	Insulation Resistance (mΩ)
	Min.		Max.	Max.	2mA 3S	Min.
RHD254508-800	60.0	80.0	10.0	7.00	500	100
RHD356508-151	90.0	150	10.0	7.00	500	100
RHD3510008-201	140	200	10.0	7.00	500	100

■ All data is tested on 25℃ ambient temperature.
※1 Impedance measure condition at 25MHz, 0.05V, 100MHz, 0.05V.
※2 Rated current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

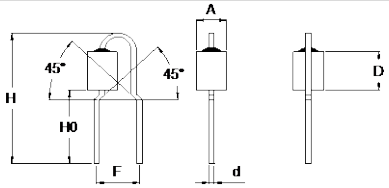
RHR Series

Operating temperature range: - 40℃~+85℃

Construction

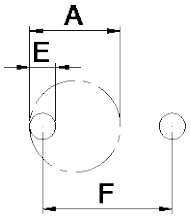
Wire

Appearance and Dimensions (mm)

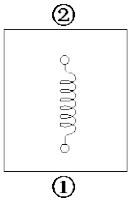


Part No.	ΦA (mm)	D (mm)	d (mm)	F (mm)	H (mm)	H0 (mm)	E (mm)
RHR354508-450	3.50±0.30	4.50±0.30	0.65±0.05	5.0±0.5	32.5Max.	18.5±1.00	1.0Ref.
RHR356508-750	3.50±0.30	6.50±0.30	0.65±0.05	5.0±0.5	32.5Max.	18.5±1.00	1.0Ref.
RHR359008-950	3.50±0.30	9.00±0.30	0.65±0.05	5.0±0.5	32.5Max.	18.5±1.00	1.0Ref.

Reference Hole Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Impedance (Ω) ※1		D.C.R. (mΩ)	Rated Current (A) ※2	Hi-pot (Vdc)	Insulation Resistance (mΩ)
	Min.		Max.	Max.	2mA 3S	Min.
RHR354508-400	30.0	45.0	10.0	7.00	500	100
RHR356508-750	45.0	75.0	10.0	7.00	500	100
RHR359008-950	60.0	95.0	10.0	7.00	500	100

■ All data is tested on 25℃ ambient temperature.
※1 Impedance measure condition at 25MHz, 0.05V, 100MHz, 0.05V.
※2 Rated current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

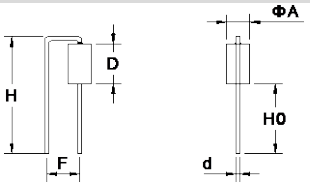
RHU Series

Operating temperature range: - 40℃~+85℃

Construction

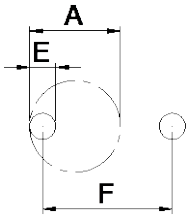
Wire

Appearance and Dimensions (mm)

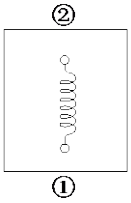


Part No.	ΦA (mm)	D (mm)	d (mm)	F (mm)	H (mm)	H0 (mm)	E (mm)
RHU255008-450	2.50±0.30	5.50±0.30	0.65±0.05	7.5±0.5	32.5Max.	18.5±1.00	1.0Ref.
RHU355008-600	3.50±0.30	5.00±0.30	0.65±0.05	7.5±0.5	32.5Max.	18.5±1.00	1.0Ref.
RHU3512008-121	3.50±0.30	12.0±0.30	0.65±0.05	7.5±0.5	32.5Max.	18.5±1.00	1.0Ref.

Reference Hole Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Impedance (Ω) ※1		D.C.R. (mΩ)	Rated Current (A) ※2	Hi-pot (Vdc)	Insulation Resistance (mΩ)
	Min.		Max.	Max.	2mA 3S	Min.
RHU255008-450	35.0	45.0	10.0	7.00	500	100
RHU355008-600	35.0	60.0	10.0	7.00	500	100
RHU3512008-121	80.0	120	10.0	7.00	500	100

■ All data is tested on 25℃ ambient temperature.
※1 Impedance measure condition at 25MHz, 0.05V, 100MHz, 0.05V.
※2 Rated current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

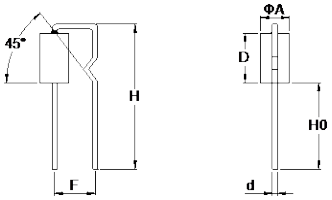
RHV Series

Operating temperature range: - 40℃~+85℃

Construction

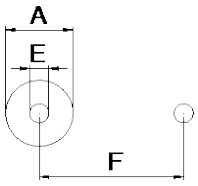
Wire

Appearance and Dimensions (mm)

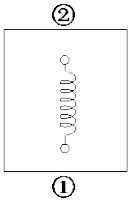


Part No.	ΦA (mm)	D (mm)	d (mm)	F (mm)	H (mm)	H0 (mm)	E (mm)
RHV355008-600	3.50±0.30	5.00±0.30	0.65±0.05	7.50±0.50	32.5Max.	18.5±1.00	1.0 Ref.
RHV358008-900	3.50±0.30	8.00±0.30	0.65±0.05	7.50±0.50	32.5Max.	18.5±1.00	1.0 Ref.

Reference Hole Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Impedance (Ω) ※1		D.C.R. (mΩ)	Rated Current (A) ※2	Hi-pot (Vdc)	Insulation Resistance (mΩ)
	Min.		Max.	Max.	2mA 3S	Min.
RHV355008-600	35.0	60.0	10.0	7.00	500	100
RHV358008-900	55.0	90.0	10.0	7.00	500	100

■ All data is tested on 25℃ ambient temperature.
※1 Impedance measure condition at 25MHz, 0.05V, 100MHz, 0.05V.
※2 Rated current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

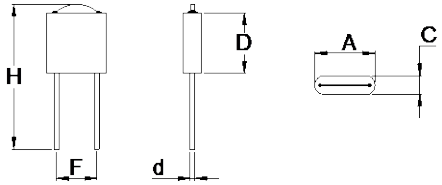
RID Series

Operating temperature range: - 40℃~+85℃

Construction

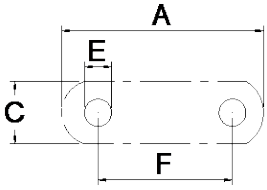
Wire

Appearance and Dimensions (mm)

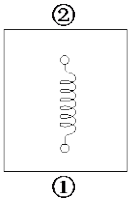


Part No.	A (mm)	D (mm)	d (mm)	F (mm)	C (mm)	H (mm)	E (mm)
RID236453-800	6.40±0.30	5.30±0.30	0.60±0.05	5.0±0.5	2.30±0.20	18.5±1.00	1.0Max.
RID237555-101	7.50±0.30	5.50±0.30	0.60±0.05	5.0±0.5	2.30±0.20	18.5±1.00	1.0Max.
RID237575-111	7.50±0.30	7.50±0.30	0.60±0.05	5.0±0.5	2.30±0.20	18.5±1.00	1.0Max.

Reference Hole Pattern (mm)



Schematic

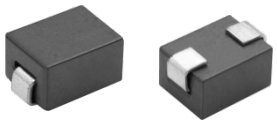


Electrical Characteristics

Part No.	Impedance (Ω) ※1		D.C.R. (mΩ)	Rated Current (A) ※2	Hi-pot (Vdc)	Insulation Resistance (mΩ)
	Min.		Max.	Max.	2mA 3S	Min.
RID236453-800	50.0	80.0	10.0	7.00	500	100
RID237555-101	65.0	100	10.0	7.00	500	100
RID237575-111	80.0	110	10.0	7.00	500	100

■ All data is tested on 25℃ ambient temperature.
※1 Impedance measure condition at 25MHz, 0.05V, 100MHz, 0.05V.
※2 Rated current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

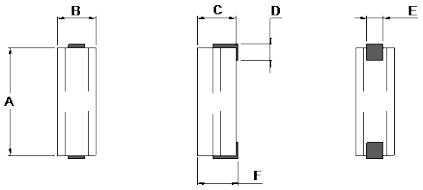
SMB Series



Operating temperature range: - 40℃~+85℃

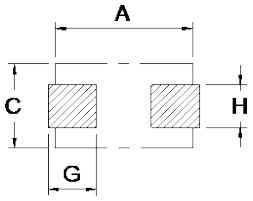
Construction	Wire
▭	●

Appearance and Dimensions (mm)

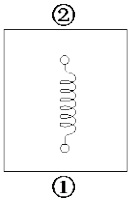


Part No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
SMB403025-500	4.0±0.3	3.1±0.2	2.5±0.2	1.4±0.5	1.26±0.2	3.2Max.	1.8±0.5	1.6±0.2
SMB853025-101	8.5±0.3	3.1±0.3	2.5±0.3	1.7±0.4	1.8Ref.	3.2Max.	2.0±0.4	2.1Ref.

Reference Land Pattern (mm)



Schematic

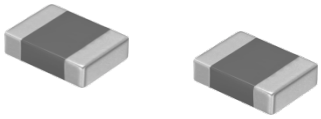


Electrical Characteristics

Part No.	Impedance (Ω) ※1		D.C.R. (mΩ)	Rated Current (A) ※2	Hi-pot (Vdc)	Insulation Resistance (mΩ)
	Min.		Max.	Max.	2mA 3S	Min.
SMB403025-500	28.0	50.0	5.00	17.0	500	100
SMB853025-101	56.0	100	5.00	17.0	500	100

■ All data is tested on 25℃ ambient temperature.
※1 Impedance measure condition at 25MHz, 0.05V, 100MHz, 0.05V.
※2 Rated current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃).

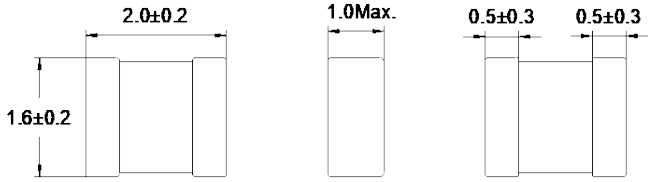
CSHB201610



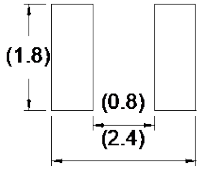
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

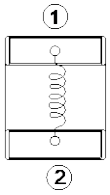
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

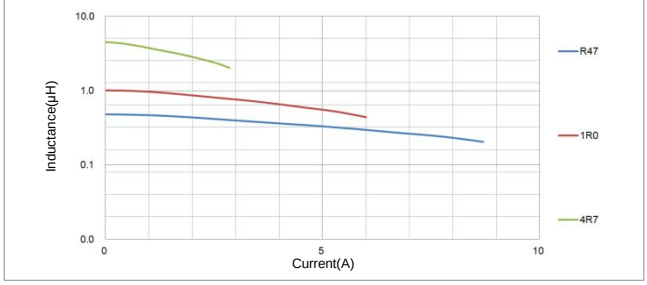


Electrical Characteristics

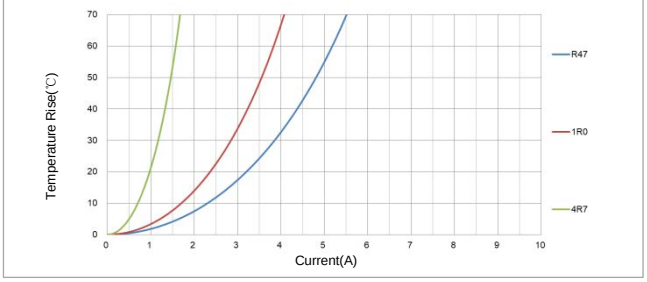
Part No.	Inductance (μH) ※1	D.C.R. (mΩ)		Saturation Current (A) ※2	Temperature Rise Current (A) ※3
	±20%	Typ.	Max.	Typ.	Typ.
CSHB201610-R47M	0.47	29.5	34.0	4.90	4.20
CSHB201610-1R0M	1.00	54.0	62.0	3.40	3.10
CSHB201610-4R7M	4.70	270	318	1.60	1.25

■ All data is tested on 25℃ ambient temperature.
※1 Inductance measure condition at 1MHz, 100mV.
※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℃).

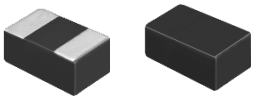
Saturation Current Curve



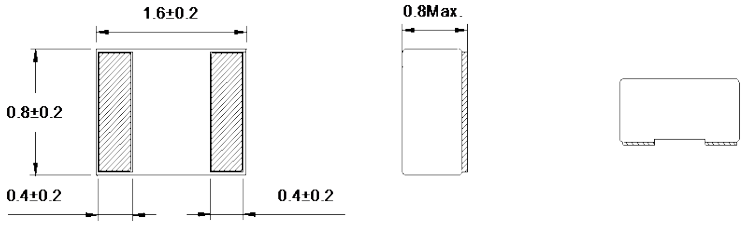
Temperature Rise Current Curve



CSTB160808



Appearance and Dimensions (mm)

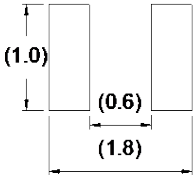


Operating temperature range: - 40℃~+125℃

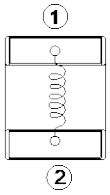
Construction

Wire

Reference Land Pattern (mm)



Schematic

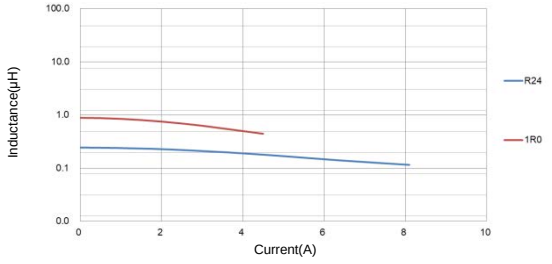


Electrical Characteristics

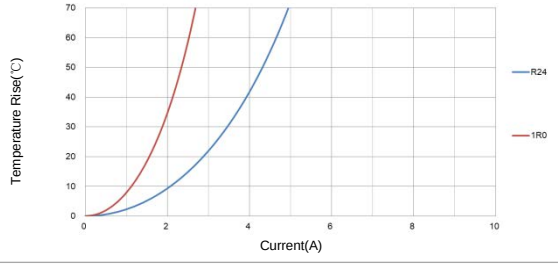
Part No.	Inductance (μH) ※1	D.C.R. (mΩ)		Saturation Current (A) ※2	Temperature Rise Current (A) ※3
	±20%	Typ.	Max.	Typ.	Typ.
CSTB160808-R24M	0.24	27.0	31.0	5.40	3.70
CSTB160808-1R0M	1.00	105	115	3.00	2.00

■ All data is tested on 25℃ ambient temperature.
※1 Inductance measure condition at 1MHz, 100mV.
※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℃).

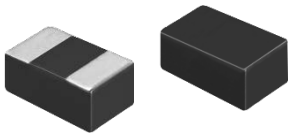
Saturation Current Curve



Temperature Rise Current Curve



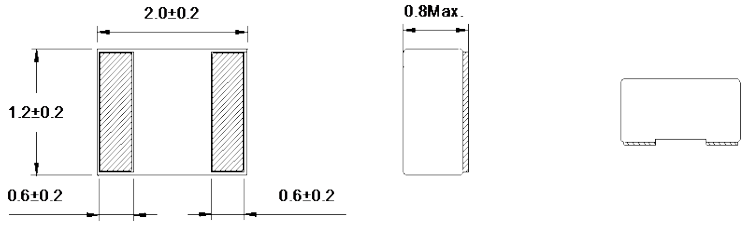
CSTB201208



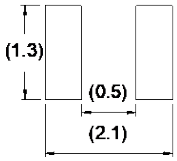
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

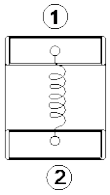
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

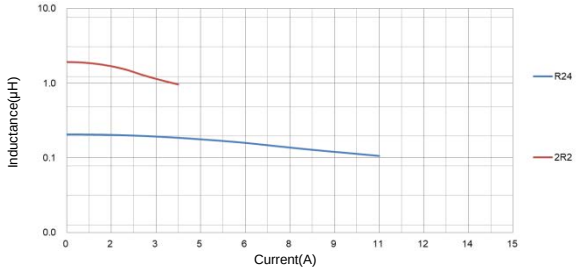


Electrical Characteristics

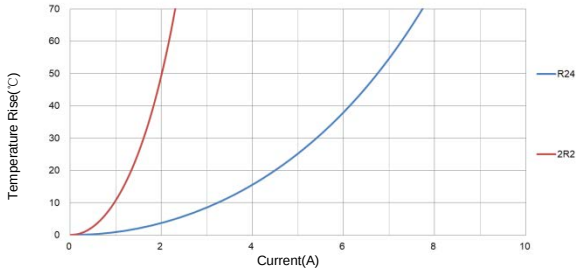
Part No.	Inductance (μH) ※1	D.C.R. (mΩ)		Saturation Current (A) ※2	Temperature Rise Current (A) ※3
	±20%	Typ.	Max.	Typ.	Typ.
CSTB201208-R24M	0.24	15.0	19.0	7.00	6.00
CSTB201208-2R2M	2.20	130	145	2.50	1.70

■ All data is tested on 25℃ ambient temperature.
※1 Inductance measure condition at 1MHz, 100mV.
※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℃).

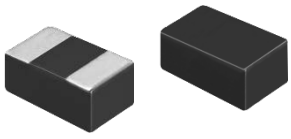
Saturation Current Curve



Temperature Rise Current Curve



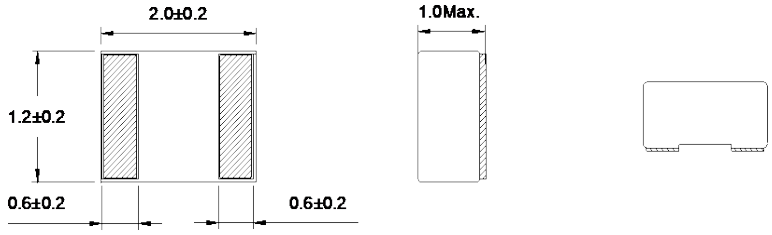
CSTB201210



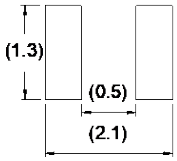
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

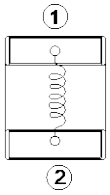
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

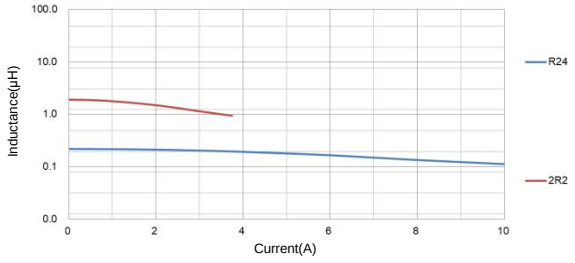


Electrical Characteristics

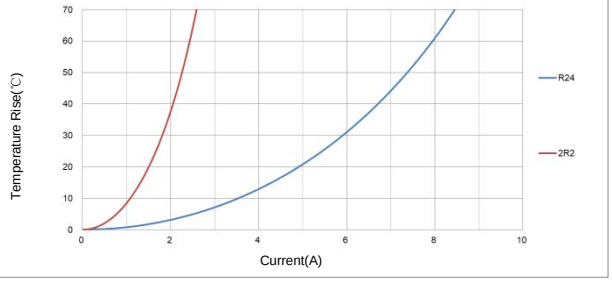
Part No.	Inductance (μH) ※1	D.C.R. (mΩ)		Saturation Current (A) ※2	Temperature Rise Current (A) ※3
	±20%	Typ.	Max.	Typ.	Typ.
CSTB201210-R24M	0.24	11.0	15.0	7.00	6.50
CSTB201210-2R2M	2.20	105	112	2.50	1.90

■ All data is tested on 25℃ ambient temperature.
※1 Inductance measure condition at 1MHz, 100mV.
※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℃).

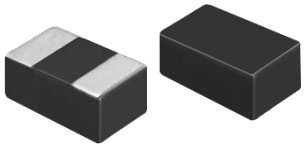
Saturation Current Curve



Temperature Rise Current Curve



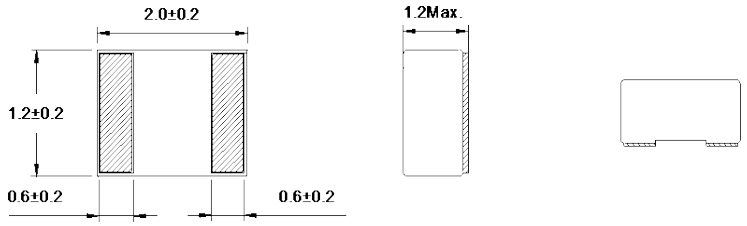
CSTB201612



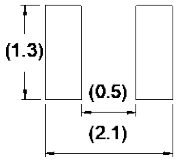
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

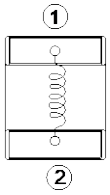
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

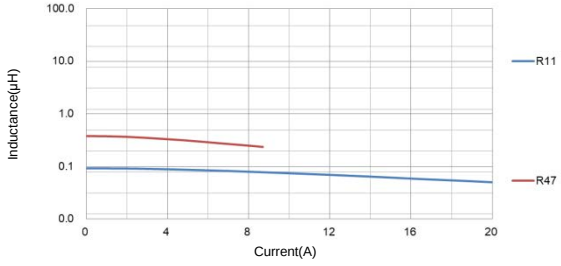


Electrical Characteristics

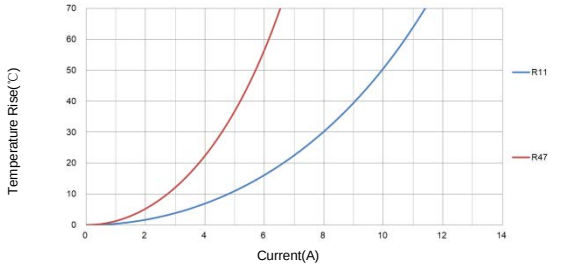
Part No.	Inductance (μH) ※1	D.C.R. (mΩ)		Saturation Current (A) ※2	Temperature Rise Current (A) ※3
	±20%	Typ.	Max.	Typ.	Typ.
CSTB201212-R11M	0.11	7.00	8.50	14.0	8.90
CSTB201212-R47M	0.47	21.0	24.0	5.80	5.00

■ All data is tested on 25℃ ambient temperature.
※1 Inductance measure condition at 1MHz, 100mV.
※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℃).

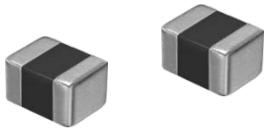
Saturation Current Curve



Temperature Rise Current Curve



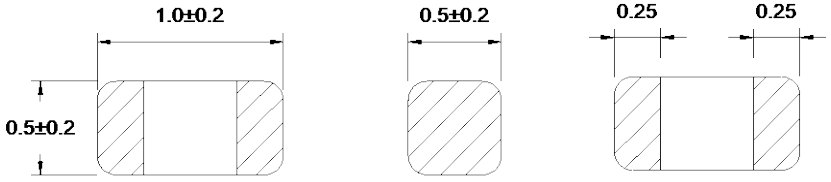
CFI0402



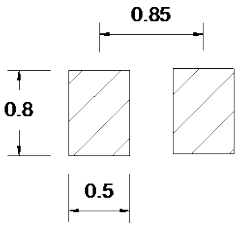
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

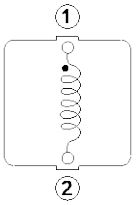
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

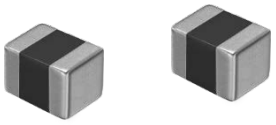


Electrical Characteristics

Part No.	Inductance (μH)	Quality Factor	Test Freq. (MHz/V)	D.C.R. (mΩ)	S.R.F (MHz)	Temperature Rise Current (A) ※1
		Min.		Max.	Min.	Max.
CFI0402-47NK	0.047	10.0	50/0.05	450	220	0.025
CFI0402-68NK	0.068	10.0	50/0.05	450	210	0.025
CFI0402-82NK	0.082	10.0	50/0.05	450	200	0.025
CFI0402-R10K	0.10	10.0	25/0.05	800	200	0.025
CFI0402-R12K	0.12	10.0	25/0.05	800	165	0.025
CFI0402-R15K	0.15	10.0	25/0.05	900	140	0.025
CFI0402-R18K	0.18	15.0	25/0.05	900	120	0.025
CFI0402-R22K	0.22	15.0	25/0.05	1,200	110	0.025
CFI0402-R27K	0.27	15.0	25/0.05	1,200	95.0	0.025
CFI0402-R33K	0.33	15.0	25/0.05	1,250	85.0	0.020
CFI0402-R39K	0.39	15.0	10/0.05	600	85.0	0.018
CFI0402-R47K	0.47	20.0	10/0.05	700	80.0	0.015
CFI0402-R56K	0.56	20.0	10/0.05	800	75.0	0.015
CFI0402-R68K	0.68	20.0	10/0.05	900	70.0	0.015
CFI0402-R82K	0.82	20.0	10/0.05	900	65.0	0.015
CFI0402-1R0K	1.00	20.0	10/0.05	900	40.0	0.015
CFI0402-1R2K	1.20	20.0	10/0.05	1,200	35.0	0.015
CFI0402-1R5K	1.50	20.0	10/0.05	1,200	30.0	0.015
CFI0402-1R8K	1.80	20.0	10/0.05	1,450	30.0	0.015
CFI0402-2R2K	2.20	20.0	10/0.05	1,700	28.0	0.010
CFI0402-2R7K	2.70	20.0	10/0.05	2,000	28.0	0.010
CFI0402-3R3K	3.30	20.0	10/0.05	2,350	28.0	0.010
CFI0402-3R9K	3.90	20.0	4/0.05	2,000	18.0	0.003
CFI0402-4R7K	4.70	18.0	4/0.05	2,350	15.0	0.003
CFI0402-5R6K	5.60	18.0	3/0.05	2,000	13.0	0.002
CFI0402-6R8K	6.80	18.0	3/0.05	2,350	11.0	0.002
CFI0402-8R2K	8.20	18.0	2/0.05	2,350	10.0	0.002
CFI0402-100K	10.0	18.0	2/0.05	3,150	90.0	0.002

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

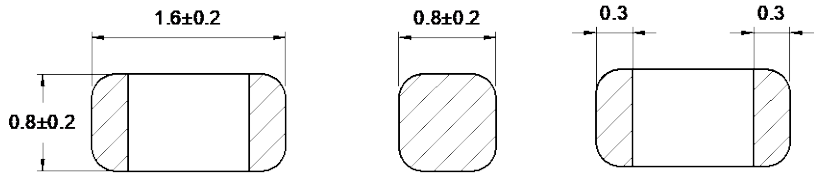
CFI0603



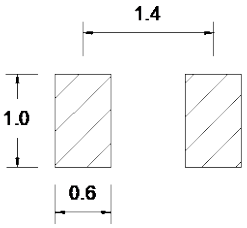
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

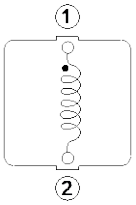
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

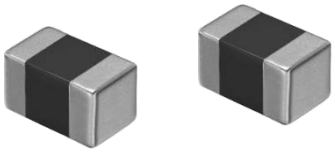


Electrical Characteristics

Part No.	Inductance (μH)	Quality Factor	Test Freq. (MHz/V)	D.C.R. (mΩ)	S.R.F (MHz)	Temperature Rise Current (A) ※1
		Min.		Max.	Min.	Max.
CFI0603-47NK	0.047	10.0	50/0.05	90.0	300	0.055
CFI0603-56NK	0.056	10.0	50/0.05	100	300	0.055
CFI0603-68NK	0.068	10.0	50/0.05	100	250	0.055
CFI0603-82NK	0.082	10.0	50/0.05	150	245	0.055
CFI0603-R10K	0.10	15.0	25/0.05	200	240	0.055
CFI0603-R12K	0.12	15.0	25/0.05	200	205	0.050
CFI0603-R15K	0.15	15.0	25/0.05	250	180	0.050
CFI0603-R18K	0.18	15.0	25/0.05	400	165	0.050
CFI0603-R22K	0.22	15.0	25/0.05	500	150	0.050
CFI0603-R27K	0.27	15.0	25/0.05	550	136	0.050
CFI0603-R33K	0.33	15.0	25/0.05	600	125	0.038
CFI0603-R39K	0.39	15.0	25/0.05	600	110	0.038
CFI0603-R47K	0.47	15.0	25/0.05	700	105	0.038
CFI0603-R56K	0.56	15.0	25/0.05	850	95.0	0.038
CFI0603-R68K	0.68	15.0	25/0.05	950	90.0	0.035
CFI0603-R82K	0.82	15.0	25/0.05	1,000	90.0	0.035
CFI0603-1R0K	1.00	35.0	10/0.05	650	90.0	0.028
CFI0603-1R2K	1.20	35.0	10/0.05	700	85.0	0.028
CFI0603-1R5K	1.50	35.0	10/0.05	800	80.0	0.028
CFI0603-1R8K	1.80	35.0	10/0.05	850	75.0	0.028
CFI0603-2R2K	2.20	35.0	10/0.05	850	70.0	0.015
CFI0603-2R7K	2.70	35.0	10/0.05	1,000	45.0	0.015
CFI0603-3R3K	3.30	35.0	10/0.05	1,250	40.0	0.015
CFI0603-3R9K	3.90	35.0	10/0.05	1,350	36.0	0.015
CFI0603-4R7K	4.70	35.0	10/0.05	1,500	33.0	0.015
CFI0603-5R6K	5.60	35.0	4/0.05	1,350	22.0	0.005
CFI0603-6R8K	6.80	35.0	4/0.05	1,400	20.0	0.005
CFI0603-8R2K	8.20	35.0	4/0.05	1,600	18.0	0.005
CFI0603-100K	10.0	35.0	2/0.05	1,700	17.0	0.005
CFI0603-120K	12.0	35.0	2/0.05	1,900	15.0	0.005
CFI0603-150K	15.0	20.0	1/0.05	1,700	14.0	0.001
CFI0603-180K	18.0	20.0	1/0.05	1,850	13.0	0.001
CFI0603-220K	22.0	20.0	1/0.05	2,100	11.0	0.001
CFI0603-270K	27.0	20.0	1/0.05	2,750	10.0	0.001
CFI0603-330K	33.0	20.0	1/0.05	2,950	9.00	0.001

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

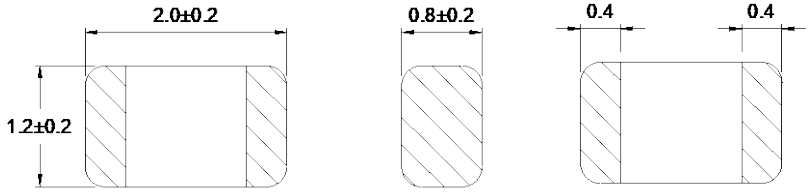
CFI0805



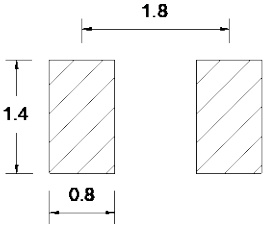
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

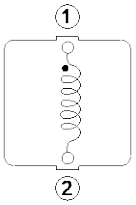
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

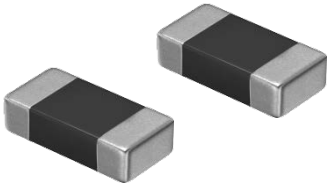


Electrical Characteristics

Part No.	Inductance (μH)	Quality Factor	Test Freq. (MHz/V)	D.C.R. (mΩ)	S.R.F (MHz)	Temperature Rise Current (A) ※1
		Min.		Max.	Min.	Max.
CFI0805-47NK	0.047	15.0	50/0.05	50.0	320	0.320
CFI0805-56NK	0.056	15.0	50/0.05	100	300	0.320
CFI0805-68NK	0.068	15.0	50/0.05	100	280	0.320
CFI0805-82NK	0.082	15.0	50/0.05	100	255	0.320
CFI0805-R10K	0.10	20.0	25/0.05	150	235	0.270
CFI0805-R12K	0.12	20.0	25/0.05	150	220	0.270
CFI0805-R15K	0.15	20.0	25/0.05	150	200	0.270
CFI0805-R18K	0.18	20.0	25/0.05	150	185	0.270
CFI0805-R22K	0.22	20.0	25/0.05	200	170	0.270
CFI0805-R27K	0.27	20.0	25/0.05	200	150	0.270
CFI0805-R33K	0.33	20.0	25/0.05	250	145	0.270
CFI0805-R39K	0.39	25.0	25/0.05	350	135	0.220
CFI0805-R47K	0.47	25.0	25/0.05	450	125	0.220
CFI0805-R56K	0.56	25.0	25/0.05	550	115	0.150
CFI0805-R68K	0.68	25.0	25/0.05	650	105	0.160
CFI0805-R82K	0.82	25.0	25/0.05	750	100	0.150
CFI0805-1R0K	1.00	45.0	10/0.05	300	75.0	0.050
CFI0805-1R2K	1.20	45.0	10/0.05	300	65.0	0.050

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

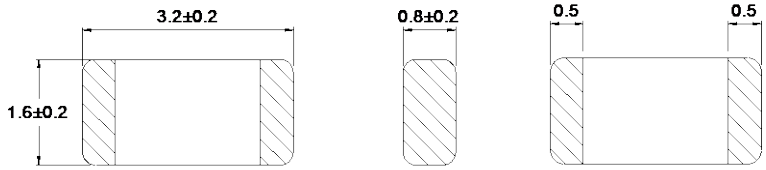
CFI1206



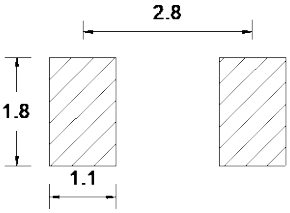
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

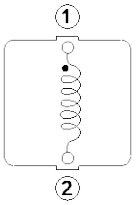
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

Part No.	Inductance (μH)	Quality Factor	Test Freq. (MHz/V)	D.C.R. (mΩ)	S.R.F (MHz)	Temperature Rise Current (A) ※1
		Min.		Max.	Min.	Max.
CFI1206-47NK	0.047	20.0	50/0.05	150	320	0.320
CFI1206-68NK	0.068	20.0	50/0.05	250	280	0.320
CFI1206-82NK	0.082	20.0	50/0.05	250	255	0.270
CFI1206-R10K	0.10	20.0	25/0.05	250	235	0.270
CFI1206-R12K	0.12	20.0	25/0.05	300	220	0.270
CFI1206-R15K	0.15	20.0	25/0.05	300	200	0.270
CFI1206-R18K	0.18	20.0	25/0.05	400	185	0.270
CFI1206-R22K	0.22	20.0	25/0.05	400	170	0.270
CFI1206-R27K	0.27	20.0	25/0.05	500	150	0.270
CFI1206-R33K	0.33	20.0	25/0.05	500	145	0.270
CFI1206-R39K	0.39	25.0	25/0.05	500	135	0.220
CFI1206-R47K	0.47	25.0	25/0.05	600	125	0.220
CFI1206-R56K	0.56	25.0	25/0.05	700	115	0.160
CFI1206-R68K	0.68	25.0	25/0.05	800	105	0.160
CFI1206-R82K	0.82	25.0	25/0.05	900	100	0.160
CFI1206-1R0K	1.00	45.0	10/0.05	250	75.0	0.110
CFI1206-1R2K	1.20	45.0	10/0.05	300	65.0	0.110
CFI1206-1R5K	1.50	45.0	10/0.05	350	60.0	0.055
CFI1206-1R8K	1.80	45.0	10/0.05	400	55.0	0.055
CFI1206-2R2K	2.20	45.0	10/0.05	450	50.0	0.055
CFI1206-2R7K	2.70	45.0	10/0.05	500	45.0	0.050
CFI1206-3R3K	3.30	45.0	10/0.05	550	41.0	0.050
CFI1206-3R9K	3.90	45.0	10/0.05	600	38.0	0.050
CFI1206-4R7K	4.70	45.0	10/0.05	600	35.0	0.050
CFI1206-5R6K	5.60	50.0	4/0.05	500	32.0	0.028
CFI1206-6R8K	6.80	50.0	4/0.05	550	29.0	0.028
CFI1206-8R2K	8.20	50.0	4/0.05	600	26.0	0.025
CFI1206-100K	10.0	50.0	2/0.05	650	24.0	0.025
CFI1206-120K	12.0	50.0	2/0.05	700	22.0	0.015
CFI1206-150K	15.0	35.0	1/0.05	700	19.0	0.005
CFI1206-180K	18.0	35.0	1/0.05	700	18.0	0.005
CFI1206-220K	22.0	35.0	1/0.05	900	16.0	0.005
CFI1206-270K	27.0	35.0	1/0.05	900	14.0	0.005
CFI1206-330K	33.0	35.0	1/0.05	1,050	13.0	0.005
CFI1206-390K	39.0	40.0	2/0.05	3,000	11.0	0.005
CFI1206-470K	47.0	40.0	2/0.05	3,400	10.0	0.005

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

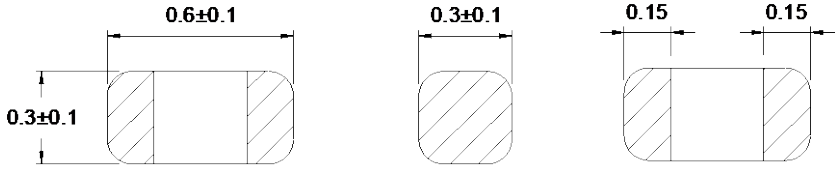
CCI0201

Operating temperature range: - 40℃~+125℃

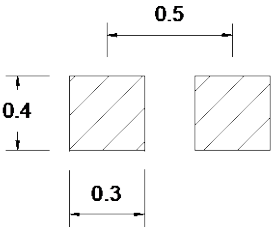
Construction

Wire

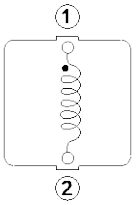
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

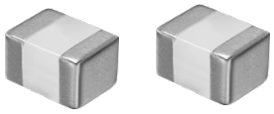
Part No.	Inductance (μH)	Quality Factor	Test Freq. (MHz/V)	D.C.R. (mΩ)	S.R.F (MHz)	Temperature Rise Current (A) ※1
		Min.		Max.	Min.	Max.
CCI0201-R60C	0.60 ± 0.20	13.0	500/0.05	60.0	10,000	0.60
CCI0201-R70C	0.70 ± 0.20	13.0	500/0.05	60.0	10,000	0.55
CCI0201-R80C	0.80 ± 0.20	13.0	500/0.05	70.0	10,000	0.55
CCI0201-R90C	0.90 ± 0.20	13.0	500/0.05	70.0	10,000	0.55
CCI0201-1R0S	1.00 ± 0.30	13.0	500/0.05	80.0	10,000	0.52
CCI0201-1R1S	1.10 ± 0.30	13.0	500/0.05	110	10,000	0.44
CCI0201-1R2S	1.20 ± 0.30	13.0	500/0.05	110	10,000	0.44
CCI0201-1R3S	1.30 ± 0.30	13.0	500/0.05	110	10,000	0.44
CCI0201-1R4S	1.40 ± 0.30	13.0	500/0.05	110	10,000	0.44
CCI0201-1R5S	1.50 ± 0.30	13.0	500/0.05	120	10,000	0.42
CCI0201-1R6S	1.60 ± 0.30	13.0	500/0.05	130	10,000	0.41
CCI0201-1R7S	1.70 ± 0.30	13.0	500/0.05	150	10,000	0.38
CCI0201-1R8S	1.80 ± 0.30	13.0	500/0.05	150	10,000	0.38
CCI0201-1R9S	1.90 ± 0.30	13.0	500/0.05	150	10,000	0.35
CCI0201-2R0S	2.00 ± 0.30	13.0	500/0.05	200	10,000	0.33
CCI0201-2R1S	2.10 ± 0.30	13.0	500/0.05	200	10,000	0.33
CCI0201-2R2S	2.20 ± 0.30	13.0	500/0.05	200	10,000	0.33
CCI0201-2R3S	2.30 ± 0.30	13.0	500/0.05	200	10,000	0.33
CCI0201-2R4S	2.40 ± 0.30	13.0	500/0.05	200	10,000	0.33
CCI0201-2R5S	2.50 ± 0.30	13.0	500/0.05	200	9,600	0.33
CCI0201-2R6S	2.60 ± 0.30	13.0	500/0.05	200	9,400	0.33
CCI0201-2R7S	2.70 ± 0.30	13.0	500/0.05	200	9,200	0.31
CCI0201-2R8S	2.80 ± 0.30	13.0	500/0.05	220	8,900	0.30
CCI0201-2R9S	2.90 ± 0.30	13.0	500/0.05	220	8,800	0.28
CCI0201-3R0S	3.00 ± 0.30	13.0	500/0.05	220	8,600	0.28
CCI0201-3R1S	3.10 ± 0.30	13.0	500/0.05	240	8,500	0.27
CCI0201-3R2S	3.20 ± 0.30	13.0	500/0.05	240	8,200	0.27
CCI0201-3R3S	3.30 ± 0.30	13.0	500/0.05	260	8,100	0.27
CCI0201-3R4S	3.40 ± 0.30	13.0	500/0.05	260	8,000	0.27
CCI0201-3R5S	3.50 ± 0.30	13.0	500/0.05	300	7,900	0.25
CCI0201-3R6S	3.60 ± 0.30	13.0	500/0.05	300	7,700	0.24
CCI0201-3R7S	3.70 ± 0.30	13.0	500/0.05	300	7,600	0.23
CCI0201-3R8S	3.80 ± 0.30	13.0	500/0.05	320	7,500	0.23

Electrical Characteristics

Part No.	Inductance (μH)	Quality Factor	Test Freq. (MHz/V)	D.C.R. (mΩ)	S.R.F (MHz)	Temperature Rise Current (A) ※1
		Min.		Max.	Min.	Max.
CCI0201-3R9S	3.90 ± 0.30	13.0	500/0.05	320	7,400	0.22
CCI0201-4R3S	4.30 ± 0.30	13.0	500/0.05	350	6,800	0.22
CCI0201-4R7S	4.70 ± 0.30	13.0	500/0.05	350	6,200	0.21
CCI0201-5R1S	5.10 ± 0.30	13.0	500/0.05	400	5,900	0.21
CCI0201-5R6S	5.60 ± 0.30	13.0	500/0.05	400	5,500	0.21
CCI0201-6R2K	6.20 ± 10%	13.0	500/0.05	450	5,100	0.21
CCI0201-6R8K	6.80 ± 10%	13.0	500/0.05	450	4,900	0.20
CCI0201-7R5K	7.50 ± 10%	13.0	500/0.05	450	4,700	0.20
CCI0201-8R2K	8.20 ± 10%	13.0	500/0.05	500	4,300	0.19
CCI0201-9R1K	9.10 ± 10%	13.0	500/0.05	500	4,100	0.17
CCI0201-100K	10.0 ± 10%	13.0	500/0.05	550	3,800	0.16
CCI0201-120K	12.0 ± 10%	13.0	500/0.05	600	3,400	0.16
CCI0201-150K	15.0 ± 10%	13.0	500/0.05	650	2,600	0.16
CCI0201-180K	18.0 ± 10%	13.0	500/0.05	750	2,300	0.14
CCI0201-220K	22.0 ± 10%	13.0	500/0.05	900	1,900	0.13
CCI0201-270K	27.0 ± 10%	13.0	500/0.05	1,200	1,800	0.12
CCI0201-330K	33.0 ± 10%	11.0	300/0.05	2,000	1,800	0.11
CCI0201-390K	39.0 ± 10%	11.0	300/0.05	2,300	1,600	0.10
CCI0201-470K	47.0 ± 10%	11.0	300/0.05	2,600	1,500	0.10
CCI0201-560K	56.0 ± 10%	11.0	300/0.05	2,800	1,400	0.08
CCI0201-680K	68.0 ± 10%	11.0	300/0.05	3,200	1,200	0.08
CCI0201-820K	82.0 ± 10%	10.0	300/0.05	3,800	1,100	0.07
CCI0201-101K	100 ± 10%	10.0	300/0.05	4,000	1,000	0.06
CCI0201-121K	120 ± 10%	9.00	300/0.05	5,000	1,000	0.05

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

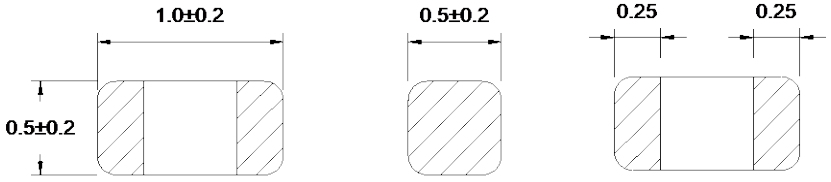
CCI0402



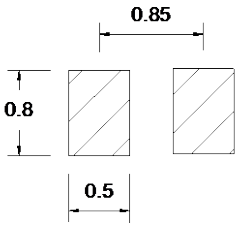
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

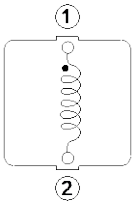
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic

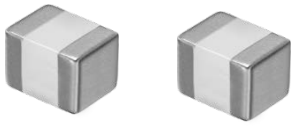


Electrical Characteristics

Part No.	Inductance (μH)	Quality Factor	Test Freq. (MHz/V)	D.C.R. (mΩ)	S.R.F (MHz)	Temperature Rise Current (A) ※1
		Min.		Max.	Min.	Max.
CCI0402-1R0D	1.00 ± 0.50	8.00	100/0.05	60.0	10,000	0.40
CCI0402-1R2D	1.20 ± 0.50	8.00	100/0.05	70.0	10,000	0.40
CCI0402-1R5D	1.50 ± 0.50	8.00	100/0.05	80.0	6,000	0.30
CCI0402-1R8D	1.80 ± 0.50	8.00	100/0.05	90.0	6,000	0.30
CCI0402-2R2D	2.20 ± 0.50	8.00	100/0.05	100	6,000	0.30
CCI0402-2R7D	2.70 ± 0.50	8.00	100/0.05	140	6,000	0.30
CCI0402-3R3D	3.30 ± 0.50	8.00	100/0.05	150	6,000	0.30
CCI0402-3R9D	3.90 ± 0.50	8.00	100/0.05	160	4,000	0.30
CCI0402-4R3D	4.30 ± 0.50	8.00	100/0.05	170	4,000	0.30
CCI0402-4R7D	4.70 ± 0.50	8.00	100/0.05	190	4,000	0.30
CCI0402-5R6D	5.60 ± 0.50	8.00	100/0.05	220	4,000	0.30
CCI0402-6R8K	6.80 ± 10%	8.00	100/0.05	270	3,900	0.30
CCI0402-7R5K	7.50 ± 10%	8.00	100/0.05	280	3,900	0.30
CCI0402-8R2K	8.20 ± 10%	8.00	100/0.05	290	3,600	0.30
CCI0402-9R1K	9.10 ± 10%	8.00	100/0.05	300	3,600	0.30
CCI0402-100K	10.0 ± 10%	8.00	100/0.05	300	3,200	0.30
CCI0402-120K	12.0 ± 10%	8.00	100/0.05	370	2,700	0.30
CCI0402-150K	15.0 ± 10%	8.00	100/0.05	650	2,300	0.30
CCI0402-180K	18.0 ± 10%	8.00	100/0.05	650	2,100	0.30
CCI0402-220K	22.0 ± 10%	8.00	100/0.05	700	1,900	0.30
CCI0402-270K	27.0 ± 10%	8.00	100/0.05	750	1,600	0.30
CCI0402-330K	33.0 ± 10%	8.00	100/0.05	880	1,300	0.20
CCI0402-390K	39.0 ± 10%	8.00	100/0.05	1,000	1,200	0.20
CCI0402-470K	47.0 ± 10%	8.00	100/0.05	1,100	1,000	0.20
CCI0402-560K	56.0 ± 10%	8.00	100/0.05	1,250	750	0.20
CCI0402-680K	68.0 ± 10%	8.00	100/0.05	1,450	750	0.18
CCI0402-820K	82.0 ± 10%	8.00	100/0.05	1,700	750	0.15
CCI0402-101K	100 ± 10%	8.00	100/0.05	1,800	700	0.15
CCI0402-121K	120 ± 10%	8.00	100/0.05	1,900	600	0.15
CCI0402-151K	150 ± 10%	8.00	100/0.05	2,200	550	0.10
CCI0402-181K	180 ± 10%	8.00	100/0.05	2,450	500	0.10
CCI0402-221K	220 ± 10%	8.00	100/0.05	2,600	450	0.10
CCI0402-271K	270 ± 10%	8.00	100/0.05	3,100	400	0.10
CCI0402-301K	300 ± 10%	8.00	100/0.05	3,200	400	0.10
CCI0402-321K	330 ± 10%	8.00	50/0.05	3,600	350	0.05
CCI0402-361K	360 ± 10%	8.00	50/0.05	3,800	300	0.05

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

CCI0603

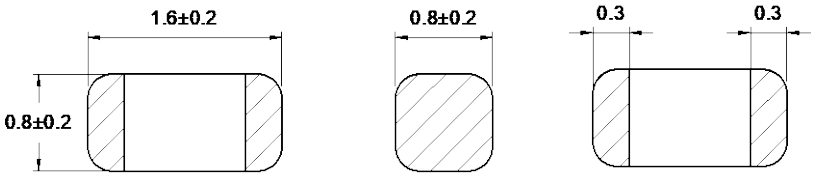


Operating temperature range: - 40℃~+125℃

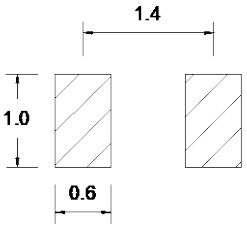
Construction

Wire

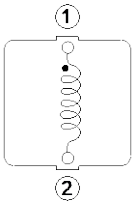
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic



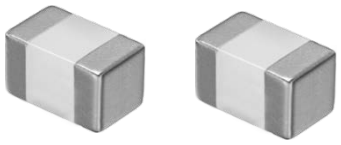
Electrical Characteristics

Part No.	Inductance (μH)	Quality Factor	Test Freq. (MHz/V)	D.C.R. (mΩ)	S.R.F (MHz)	Temperature Rise Current (A) ※1
		Min.		Max.	Min.	Max.
CCI0603-1R0S	1.00 ± 0.30	8.00	100/0.05	30.0	10,000	0.50
CCI0603-1R2S	1.20 ± 0.30	8.00	100/0.05	40.0	10,000	0.50
CCI0603-1R5S	1.50 ± 0.30	8.00	100/0.05	60.0	6,000	0.50
CCI0603-1R8S	1.80 ± 0.30	8.00	100/0.05	60.0	6,000	0.50
CCI0603-2R2S	2.20 ± 0.30	8.00	100/0.05	70.0	6,000	0.50
CCI0603-2R7S	2.70 ± 0.30	10.0	100/0.05	90.0	6,000	0.50
CCI0603-3R3S	3.30 ± 0.30	10.0	100/0.05	90.0	6,000	0.50
CCI0603-3R9S	3.90 ± 0.30	10.0	100/0.05	100	6,000	0.50
CCI0603-4R7S	4.70 ± 0.30	10.0	100/0.05	120	6,000	0.50
CCI0603-5R6S	5.60 ± 0.30	10.0	100/0.05	150	5,000	0.50
CCI0603-6R8S	6.80 ± 0.30	10.0	100/0.05	150	5,000	0.50
CCI0603-8R2S	8.20 ± 0.30	10.0	100/0.05	170	4,500	0.50
CCI0603-100K	10.0 ± 10%	12.0	100/0.05	250	3,500	0.35
CCI0603-120K	12.0 ± 10%	12.0	100/0.05	300	3,000	0.35
CCI0603-150K	15.0 ± 10%	12.0	100/0.05	300	2,300	0.35
CCI0603-180K	18.0 ± 10%	12.0	100/0.05	340	2,200	0.35
CCI0603-220K	22.0 ± 10%	12.0	100/0.05	400	2,000	0.35
CCI0603-270K	27.0 ± 10%	12.0	100/0.05	440	1,700	0.35
CCI0603-330K	33.0 ± 10%	12.0	100/0.05	440	1,500	0.35
CCI0603-390K	39.0 ± 10%	12.0	100/0.05	480	1,400	0.35
CCI0603-470K	47.0 ± 10%	12.0	100/0.05	550	1,200	0.35
CCI0603-560K	56.0 ± 10%	12.0	100/0.05	600	1,100	0.35
CCI0603-680K	68.0 ± 10%	12.0	100/0.05	720	900	0.30
CCI0603-820K	82.0 ± 10%	10.0	100/0.05	860	800	0.30
CCI0603-101K	100 ± 10%	10.0	100/0.05	870	700	0.30
CCI0603-121K	120 ± 10%	8.00	50/0.05	1,110	600	0.30
CCI0603-151K	150 ± 10%	8.00	50/0.05	1,110	500	0.30
CCI0603-181K	180 ± 10%	8.00	50/0.05	1,300	400	0.30
CCI0603-221K	220 ± 10%	8.00	50/0.05	1,400	350	0.30
CCI0603-271K	270 ± 10%	8.00	50/0.05	1,600	350	0.30
CCI0603-331K	330 ± 10%	8.00	50/0.05	1,700	350	0.20
CCI0603-391K	390 ± 10%	8.00	50/0.05	1,900	300	0.20
CCI0603-431K	430 ± 10%	8.00	50/0.05	2,100	280	0.20
CCI0603-471K	470 ± 10%	8.00	50/0.05	2,100	250	0.20
CCI0603-561K	560 ± 10%	8.00	50/0.05	2,400	250	0.20
CCI0603-681K	680 ± 10%	8.00	50/0.05	2,800	250	0.20

■ All data is tested on 25℃ ambient temperature.

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

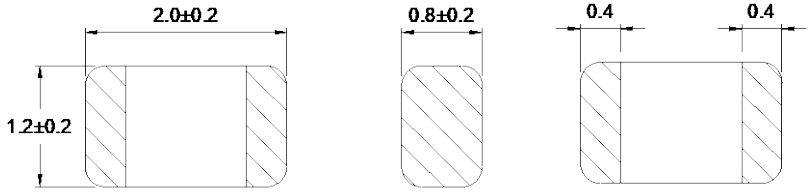
CCI0805



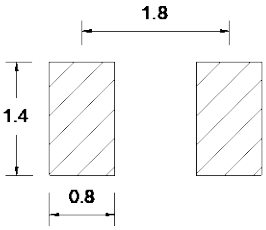
Operating temperature range: - 40℃~+125℃

Construction	Wire
	

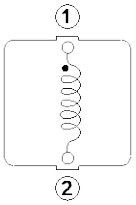
Appearance and Dimensions (mm)



Reference Land Pattern (mm)



Schematic



Electrical Characteristics

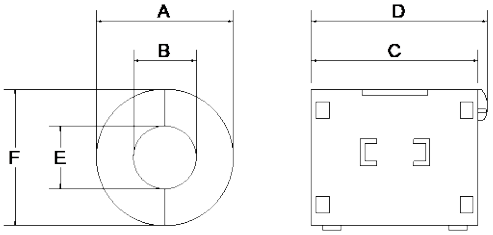
Part No.	Inductance (μH)	Quality Factor	Test Freq. (MHz/V)	D.C.R. (mΩ)	S.R.F (MHz)	Temperature Rise Current (A) ※1
		Min.		Max.	Min.	Max.
CCI0805-1R0S	1.00 ± 0.30	10.0	100/0.05	30.0	6,000	0.60
CCI0805-1R2S	1.20 ± 0.30	10.0	100/0.05	30.0	6,000	0.60
CCI0805-1R5S	1.50 ± 0.30	10.0	100/0.05	30.0	6,000	0.60
CCI0805-1R8S	1.80 ± 0.30	10.0	100/0.05	30.0	6,000	0.60
CCI0805-2R2S	2.20 ± 0.30	10.0	100/0.05	30.0	6,000	0.60
CCI0805-2R7S	2.70 ± 0.30	10.0	100/0.05	40.0	6,000	0.60
CCI0805-3R3S	3.30 ± 0.30	12.0	100/0.05	40.0	6,000	0.60
CCI0805-3R9S	3.90 ± 0.30	12.0	100/0.05	70.0	5,400	0.60
CCI0805-4R7K	4.70 ± 10%	12.0	100/0.05	70.0	4,500	0.60
CCI0805-5R6K	5.60 ± 10%	15.0	100/0.05	70.0	4,000	0.60
CCI0805-6R8K	6.80 ± 10%	15.0	100/0.05	80.0	3,650	0.55
CCI0805-8R2K	8.20 ± 10%	15.0	100/0.05	90.0	3,000	0.55
CCI0805-100K	10.0 ± 10%	15.0	100/0.05	120	2,500	0.55
CCI0805-120K	12.0 ± 10%	15.0	100/0.05	140	2,400	0.55
CCI0805-150K	15.0 ± 10%	15.0	100/0.05	150	2,000	0.50
CCI0805-180K	18.0 ± 10%	15.0	100/0.05	160	1,750	0.40
CCI0805-220K	22.0 ± 10%	15.0	100/0.05	190	1,700	0.40
CCI0805-270K	27.0 ± 10%	15.0	100/0.05	210	1,550	0.40
CCI0805-330K	33.0 ± 10%	15.0	100/0.05	260	1,350	0.40
CCI0805-390K	39.0 ± 10%	15.0	100/0.05	300	1,300	0.40
CCI0805-470K	47.0 ± 10%	18.0	100/0.05	330	1,200	0.40
CCI0805-560K	56.0 ± 10%	18.0	100/0.05	420	1,150	0.40
CCI0805-680K	68.0 ± 10%	18.0	100/0.05	440	1,000	0.35
CCI0805-820K	82.0 ± 10%	18.0	100/0.05	440	750	0.35
CCI0805-101K	100 ± 10%	18.0	100/0.05	550	600	0.35
CCI0805-121K	120 ± 10%	15.0	50/0.05	660	500	0.35
CCI0805-151K	150 ± 10%	15.0	50/0.05	720	500	0.35
CCI0805-181K	180 ± 10%	15.0	50/0.05	770	400	0.30
CCI0805-221K	220 ± 10%	13.0	50/0.05	770	350	0.30
CCI0805-271K	270 ± 10%	13.0	50/0.05	830	300	0.30
CCI0805-331K	330 ± 10%	12.0	50/0.05	940	250	0.30
CCI0805-391K	390 ± 10%	12.0	50/0.05	1,100	250	0.30
CCI0805-471K	470 ± 10%	12.0	50/0.05	1,200	200	0.30

■ All data is tested on 25℃ ambient temperature.
※1 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃(Ta=25℃)

UF Series

Operating temperature range: - 25℃~+125℃

Appearance and Dimensions (mm)



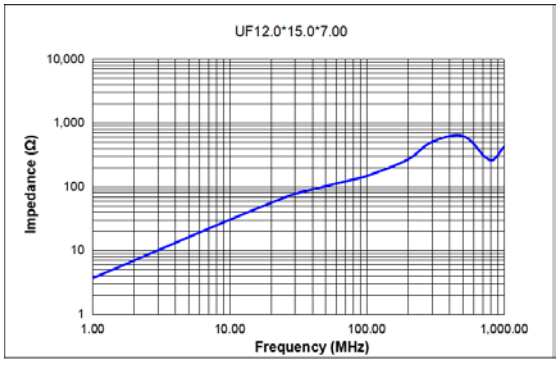
Part No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
UF12.0*15.0*7.00	14.8±1.00	7.10±1.00	18.0±1.00	22.0±1.00	6.80±1.00	14.8±1.00
UF25.9*29.0*13.0	30.5±1.00	13.0±1.00	33.5±1.00	39.0±1.00	13.0±1.00	30.2±1.00

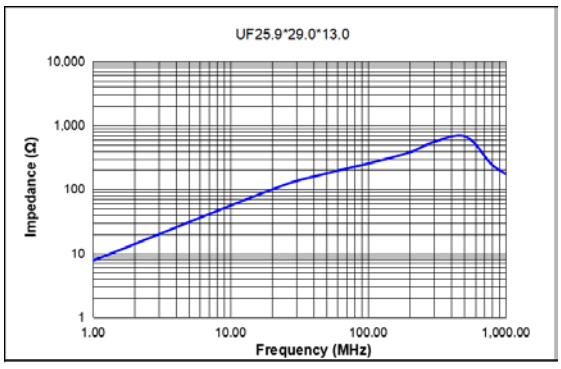
Electrical Characteristics

Part No.	Impedance (Ω) ※1		Test Winding
	Typ.	Typ.	/
UF12.0*15.0*7.00	66.8	145.4	Φ0.4mm*90mm
UF25.9*29.0*13.0	118.8	253	Φ0.4mm*90mm

■ All data is tested on 25℃ ambient temperature.
※1 Impedance measure condition at 25MHz, 0.05V/100MHz, 0.05V.

Impedance vs Frequency Curve

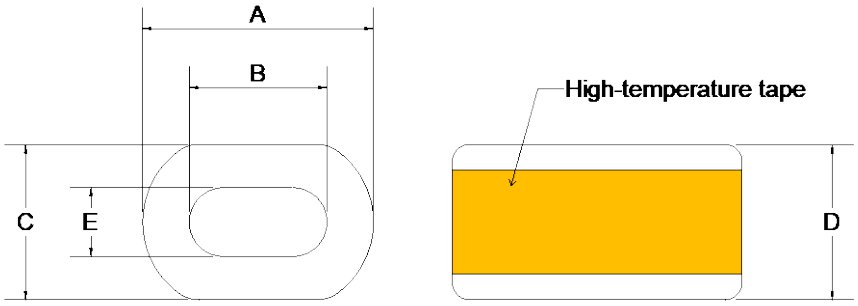




UU Series

Operating temperature range: - 25℃~+125℃

Appearance and Dimensions (mm)



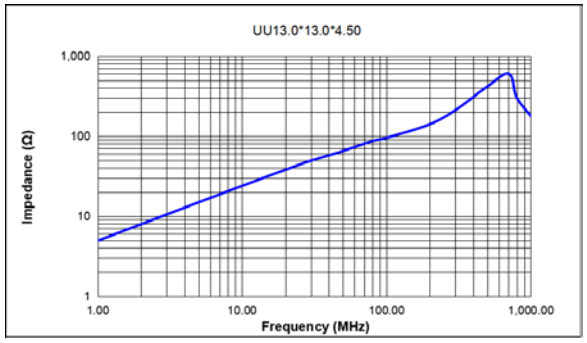
Part No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
UU13.0*13.0*4.50	13.4±1.00	8.00±0.30	9.00±0.30	13.0±0.45	2.00±0.45
UU30.6*13.0*8.20	31.0±1.00	20.6±0.55	16.4±0.30	13.0±0.45	8.20±0.45

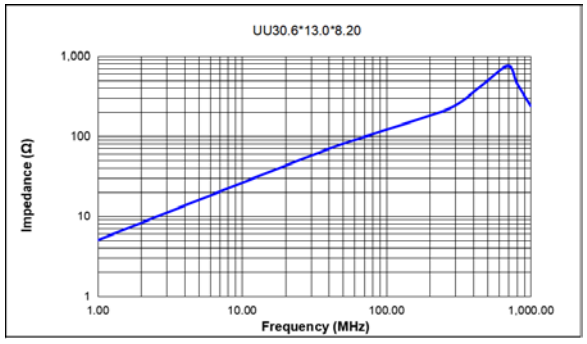
Electrical Characteristics

Part No.	Impedance (Ω) ※1		Test Winding
	Typ.	Typ.	/
UU13.0*13.0*4.50	44.0	177	Φ0.4mm*90mm
UU30.6*13.0*8.20	50.0	236	Φ0.4mm*90mm

■ All data is tested on 25℃ ambient temperature.
※1 Impedance measure condition at 25MHz, 0.05V/100MHz, 0.05V.

Impedance vs Frequency Curve

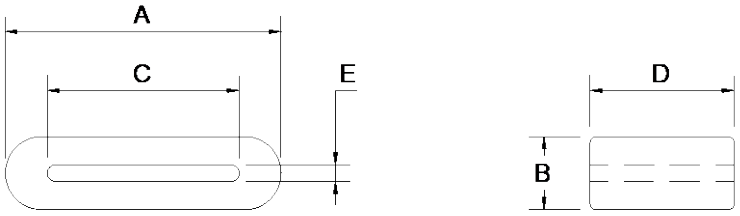




FS Series

Operating temperature range: - 25℃~+125℃

Appearance and Dimensions (mm)



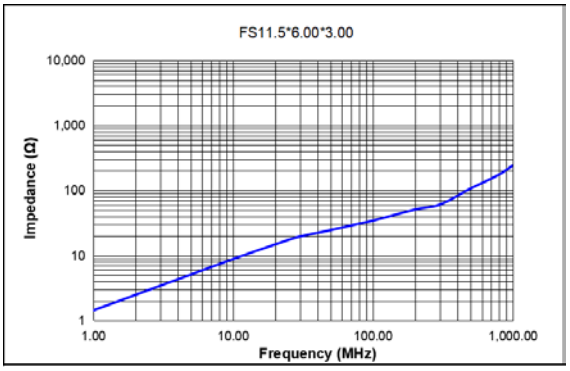
Part No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
FS11.5*6.00*3.00	11.5±0.25	3.00±0.20	8.00±0.25	6.00±0.20	0.70±0.15
FS26.0*20.0*6.00	26.0±0.30	6.00±0.20	20.5±0.30	20.0±0.25	0.85±0.18

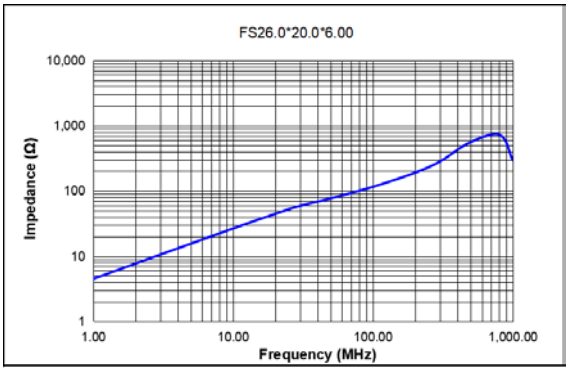
Electrical Characteristics

Part No.	Impedance (Ω) ※1		Test Winding
	Typ.	Typ.	/
FS11.5*6.00*3.00	18.0	34.3	Φ0.4mm*36mm
FS26.0*20.0*6.00	53.0	113.5	Φ0.4mm*90mm

■ All data is tested on 25℃ ambient temperature.
※1 Impedance measure condition at 25MHz, 0.05V/100MHz, 0.05V.

Impedance vs Frequency Curve

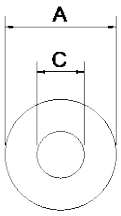


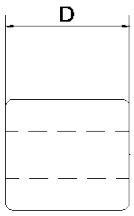


RHN Series

Operating temperature range: - 25℃~+125℃

Appearance and Dimensions (mm)





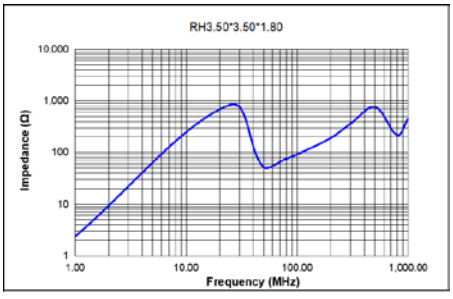
Part No.	A (mm)	D (mm)	C (mm)
RHN3.50*3.50*1.80	3.50±0.20	3.50±0.20	1.80±0.10
RHN18.67*28.50*10.16	18.67±0.35	28.50±0.75	10.16±0.30
RHN25.91*28.58*12.83	25.91±0.65	28.58±0.75	12.83±0.45

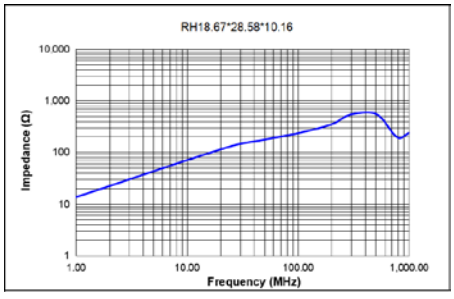
Electrical Characteristics

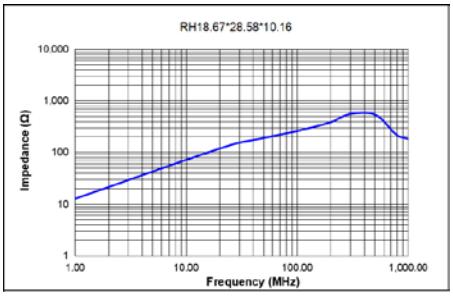
Part No.	Impedance (Ω) ※1		Test Winding
	Typ.	Typ.	/
RHN3.50*3.50*1.80	831.85	90.75	Φ0.4mm*165mm
RHN18.67*28.50*10.16	130.98	233.1	Φ0.4mm*165mm
RHN25.91*28.58*12.83	136.92	256.6	Φ0.4mm*165mm

■ All data is tested on 25℃ ambient temperature.
※1 Impedance measure condition at 25MHz, 0.05V/100MHz, 0.05V.

Impedance vs Frequency Curve



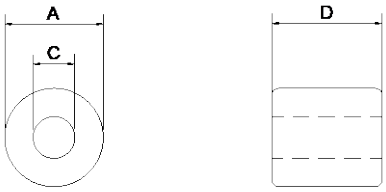




RHM Series

Operating temperature range: - 25℃~+125℃

Appearance and Dimensions (mm)



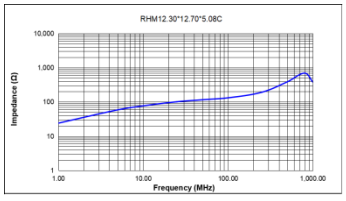
Part No.	A (mm)	D (mm)	C (mm)
RHM12.30*12.70*5.08C	12.30±1.00	5.08±0.50	12.70±1.00
RHM14.27*28.58*6.35	14.27±0.30	6.35±0.25	28.58±0.50
RHM15.88*28.58*7.87	15.88±0.50	7.87±0.50	28.58±0.50
RHM17.50*16.00*9.50	17.50±0.50	9.50±0.40	16.00±0.50
RHM17.50*28.50*9.50	17.50±0.30	9.50±0.25	28.50±0.50
RHM18.67*28.58*10.16	18.67±0.50	10.16±0.40	28.58±0.50
RHM18.70*28.60*10.15	18.70±0.50	10.15±0.25	28.60±0.50

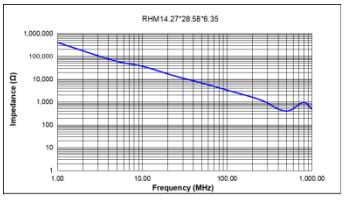
Electrical Characteristics

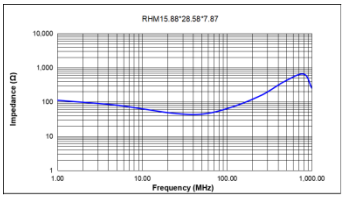
Part No.	Impedance (Ω) ※1		Test Winding
	Typ.	Typ.	/
RHM12.30*12.70*5.08C	101.1	131.6	Φ0.5mm*100mm
RHM14.27*28.58*6.35	13220	3284	Φ1.0mm*100mm
RHM15.88*28.58*7.87	45.78	63.70	Φ0.5mm*100mm
RHM17.50*16.00*9.50	82.80	135.7	Φ0.5mm*100mm
RHM17.50*28.50*9.50	42.37	61.70	Φ0.5mm*100mm
RHM18.67*28.58*10.16	41.84	59.76	Φ1.0mm*100mm
RHM18.70*28.60*10.15	146.4	276.7	Φ0.5mm*100mm

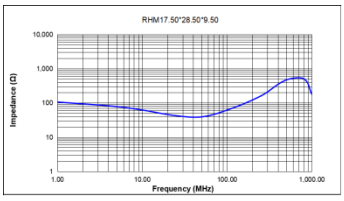
■ All data is tested on 25℃ ambient temperature.
※1 Impedance measure condition at 25MHz, 0.05V/100MHz, 0.05V.

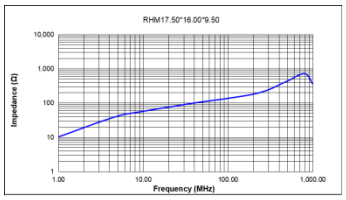
Impedance vs Frequency Curve

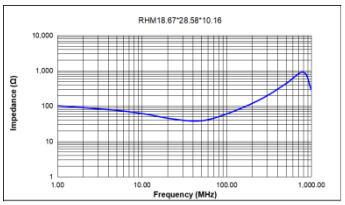


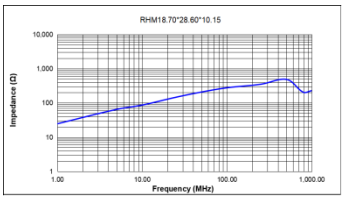












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