

Transformer Inductor (Toroidal Core)

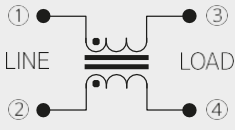
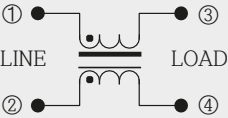
Catalogue

 G&T

LINE FILTER



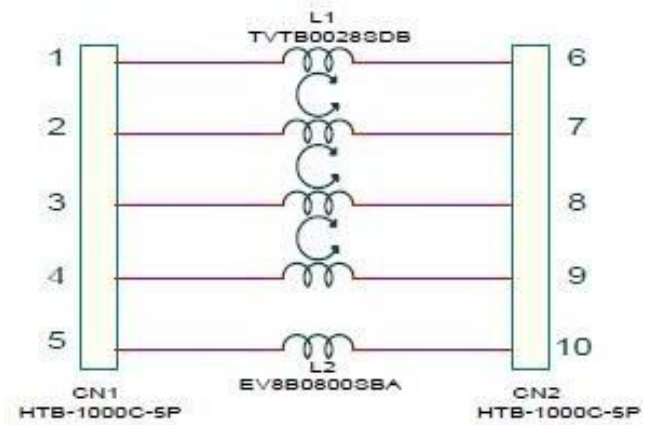
PCB mounting type for EMI measure part which can apply on electric product.
We have various size from 7Φ to 100Φ, and also produce and design toroidal coil.
Application: LED light, adapter, TV, solar inverter...

COMMON COIL		TOROIDAL 7Φ ~ 100Φ CURRENT 0.5A ~ 200A	
AUTO FLAT WIRE COIL		Rectangular CURRENT 0.5A ~ 5A	
NORMAL COIL		TOROIDAL 7Φ ~ 1000Φ CURRENT 0.5A ~ 200A	
AUTO MOTIVE		CURRENT 1A ~ 200A	

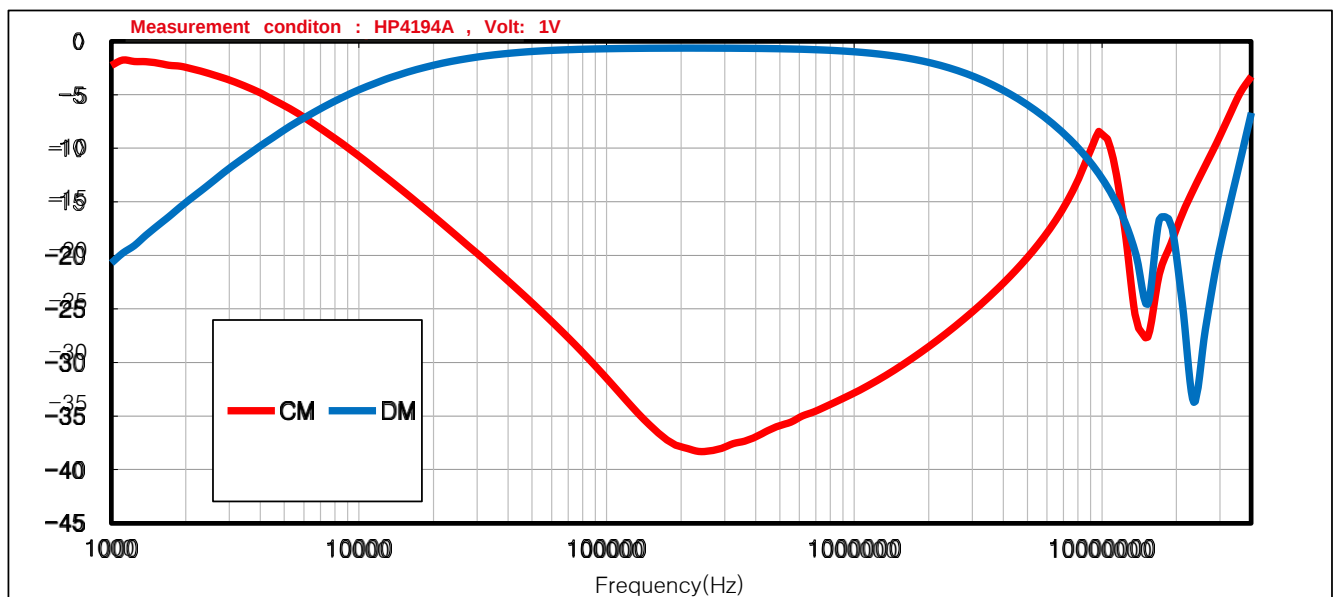
PCB ASS'Y

<TPBA-B0-003>

<CIRCUIT DIAGRAM>



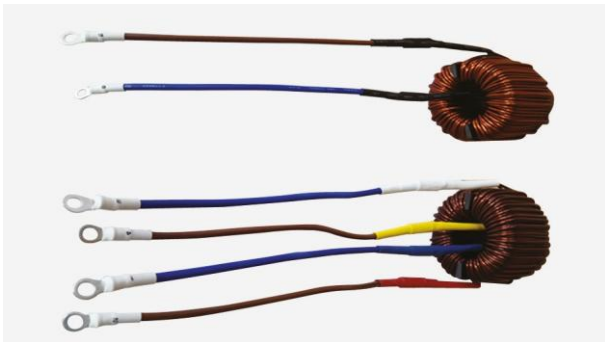
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REACTOR



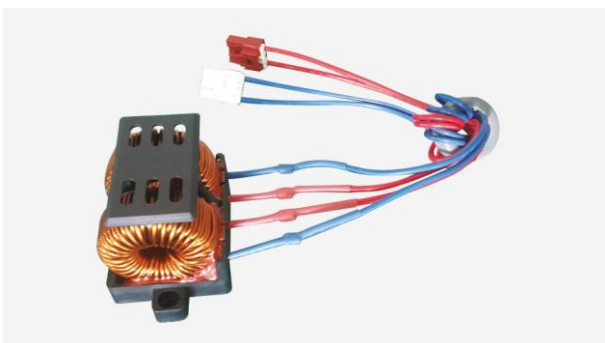
By using powder magnetic core it has less loss on high frequency, compared to silicone steel reactor.
And also have better temperature stability than ferrite core.
We can produce and supply best service(solutions for) on noise, efficiency, size, weight, and reliability.
Application: solar inverter, ESS, Refrigerator...



<AHK740-Series>



<AHK740-1-A5B00C>



<NVS467-Series>



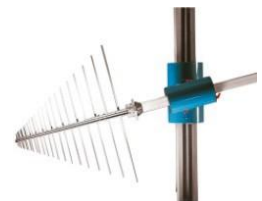
<AHK740-2-B0800C>

Automotive EMI Chamber



<보유장비>

- R&S ESR7 EMI TEST RECEIVER
- R&S, SCHWARZBECK Automotive LISN 6
- FCC Current Probe
- R&S ROD Antenna
- SCHWARZBECK Biconical Antenna
- SCHWARZBECK Log-Periodic Broadband Antenna
- SCHWARZBECK Log-Periodic Broadband Antenna
- PONTIS High Speed CAN 2, LIN 1



<전원사양>

- DC 0~600V, 0~150A

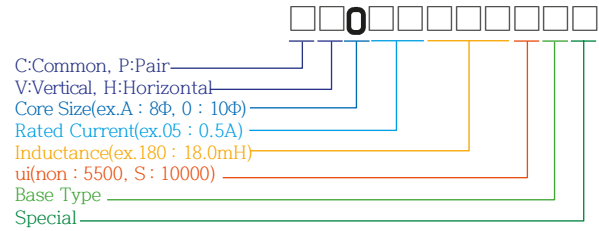


Common

SMD 8Φ, 10Φ-SERIES



■ PRODUCT NAME MEANING



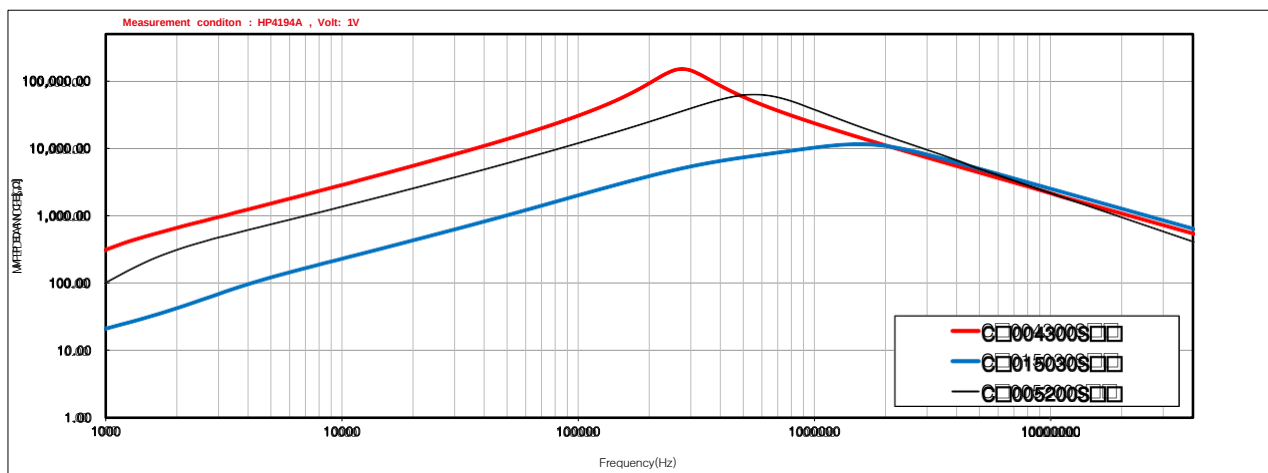
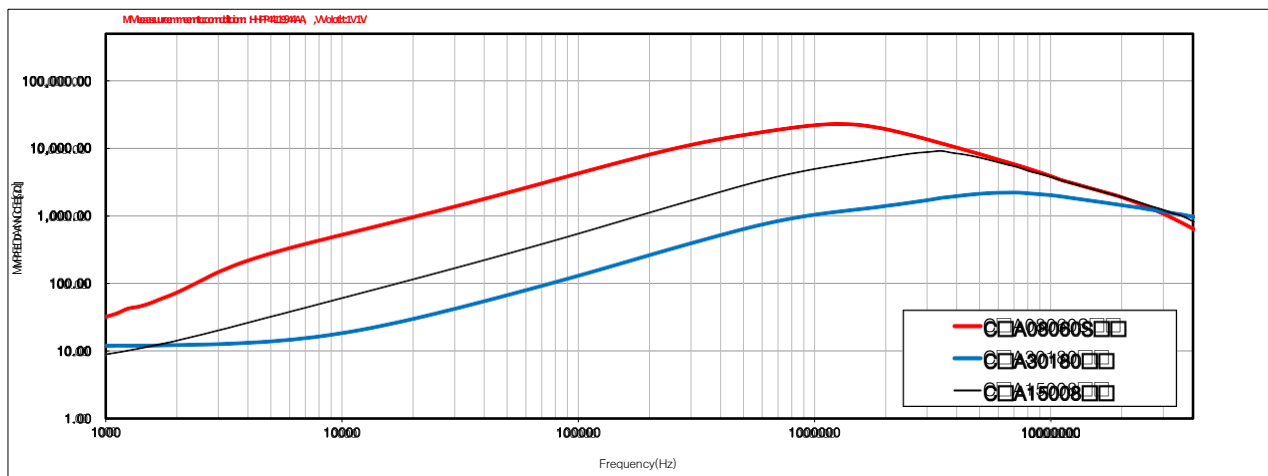
■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
C□A08060S□□	0.8	6.00	390	50
C□A15008□□	1.5	0.80	125	50
C□A20450□□	2.0	0.45	67	50
C□A30180□□	3.0	0.18	50	50
C□004300S□□	0.4	30.00	1235	300
C□005200S□□	0.5	20.00	1194	300
C□015030S□□	1.5	3.00	96	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available

■ IMPEDANCE CHARACTERISTIC GRAPH



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■ SHAPE AND DIMENSION

Fig.1 CHAM- SERIES

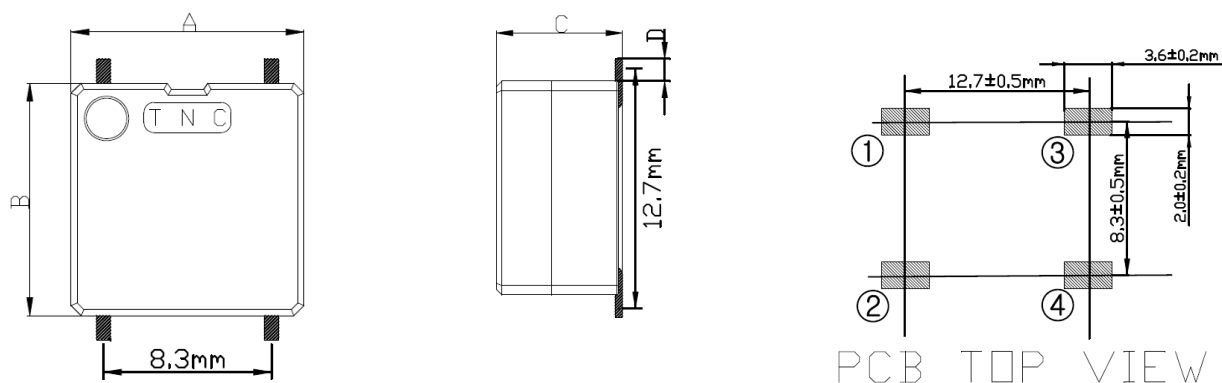
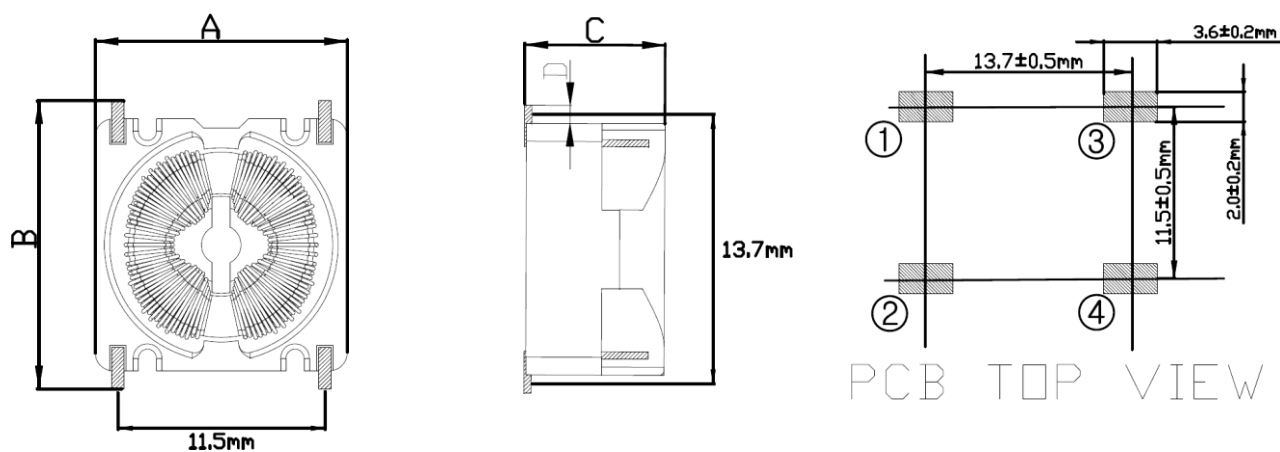


Fig.2 CHOM- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CHAM(FIG.1)	12.5	12.5	7.5	1.2±0.5
CHOM(FIG.1)	14.5	16.5	8.1	1.0±0.5

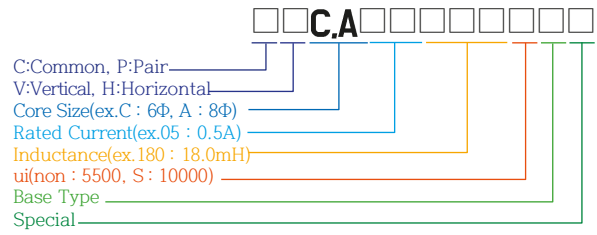
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Common

6Φ, 8Φ-SERIES



■ PRODUCT NAME MEANING



■ PART NUMBER AND SPECIFICATIONS

*AC-g

Part No.	Rated current(A)	Inductance (uH)	DC R (mΩ)	Rated Voltage(V)
C□C1090US□□	1.0	900	326	300
C□C2020US□□	2.0	200	87	300
C□A1504UN□□	1.5	40	76	300
C□A3014US□□	3.0	140	49	300
C□A30180□□	3.0	180	58	300
C□A6003U□□	6.0	30	15	300

*DC-g

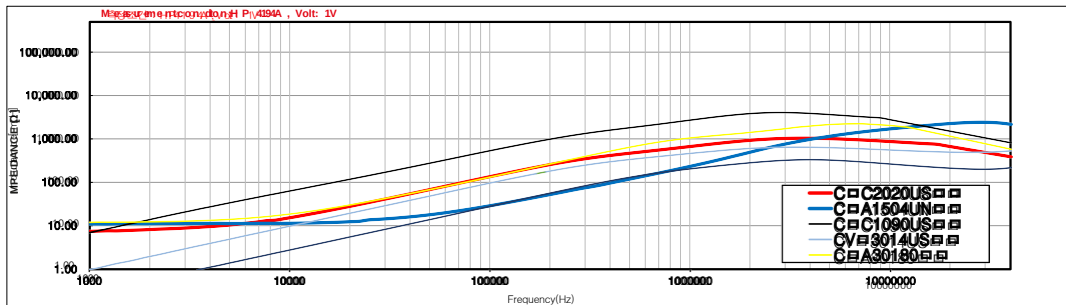
Part No.	Rated current(A)	Inductance (uH)	DC R (mΩ)	Rated Voltage(V)
C□A05080S□□	0.5	8000	513	50
P□A20290□□	2.0	290	71	50
P□A30180□□	3.0	180	65	50
P□A35023N□□	3.5	23	36	50
P□A50200N□□	5.0	200	23	50
P□A60120□□	6.0	120	19	50
P□A60160□□	6.0	160	21	50
C□A6011RN□□	6.0	11	16	50
P□A70050□□	7.0	50	12	50
P□A80030□□	8.0	30	12	50
P□AA0030□□	10.0	30	9	50

Notice

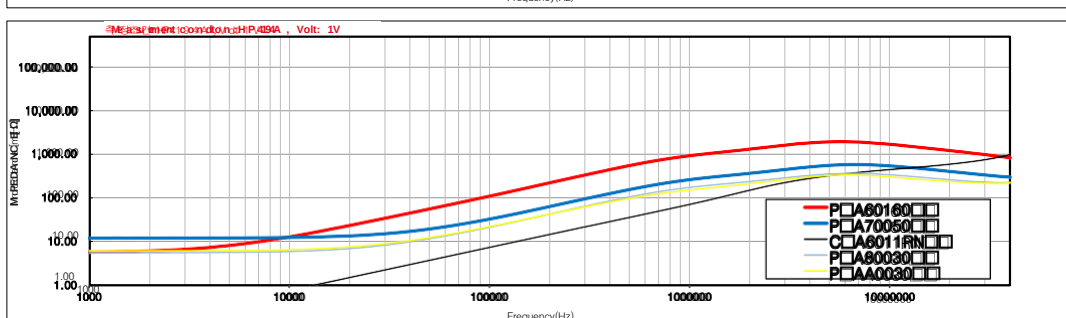
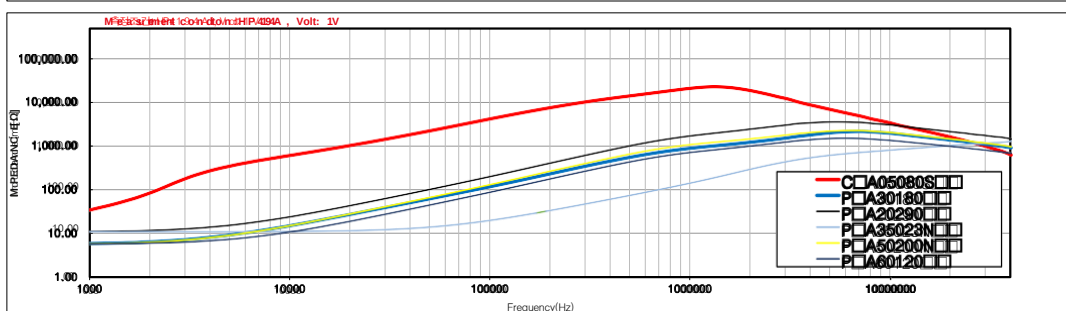
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 - Rising temperature is affected by PCB condition and an amount of harmonics.
- Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- UL94V-0 certified resin used - Pb-free solder used - RoHS free - Custom made Products are also available - Halogen free available

*AC-g



*DC-g



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■ SHAPE AND DIMENSION

Fig.1 CVCA- SERIES

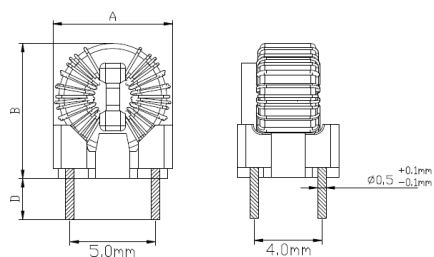


Fig.2 CVAB- SERIES

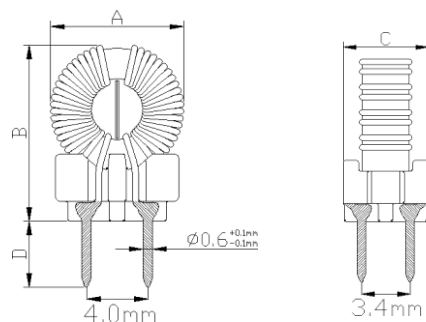


Fig.3 CHAA- SERIES

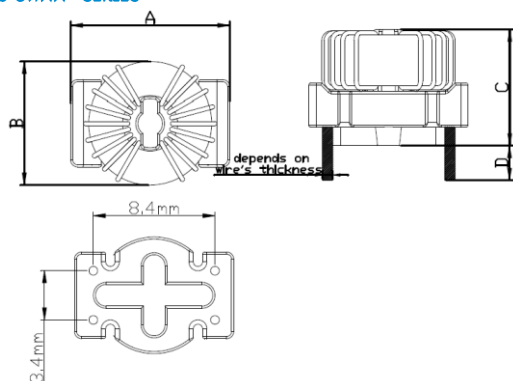


Fig.4 PVAJ- SERIES

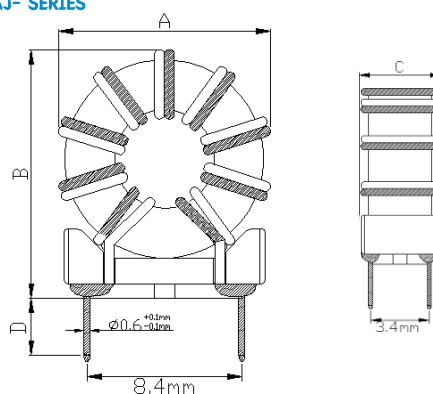


Fig.5 PVAC- SERIES

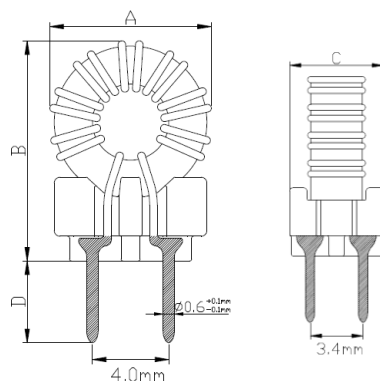


Fig.6 PVAA- SERIES

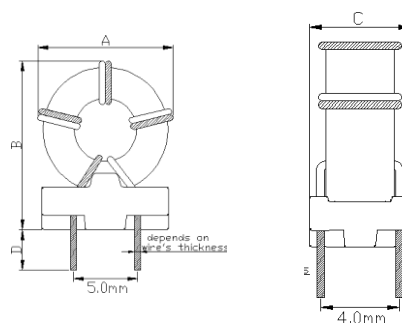
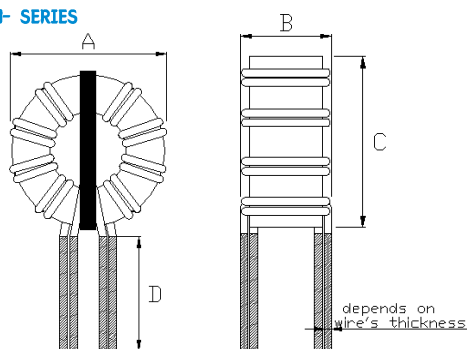


Fig.7 PVAN- SERIES



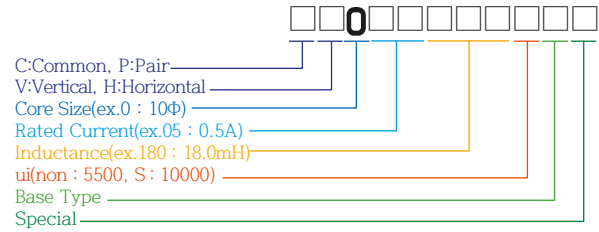
MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CVCA(FIG.1)	7.5	8.5	6.5	2.3±1.0
CVAB(FIG.2)	10.0	14.0	7.0	4.0±1.0
CHAA(FIG.3)	11.5	11.0	9.0	1.1±1.0
PVAJ(FIG.4)	12.0	12.0	7.0	4.0±1.0
PVAC(FIG.5)	11.5	13.5	8.0	4.0±1.0
PVAA(FIG.6)	10.0	12.0	8.0	4.0±1.0
PVAN(FIG.7)	11.0	6.0	11.0	8.0±2.0

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Common 10Φ-SERIES



PRODUCT NAME MEANING



PART NUMBER AND SPECIFICATIONS

*AC-8

PartNo.	Rated current(A)	Inductance (mH)	DCR (mΩ)	Rated Voltage(V)
C□003400S□□	0.3	40.0	1100	300
C□004300S□□	0.4	30.0	1002	300
C□005200S□□	0.5	20.0	1194	300
C□008090S□□	0.8	9.0	264	300
C□015030S□□	1.5	3.0	96	300
C□025010S□□	2.5	1.0	36	300
C□030450S□□	3.0	0.450	30	300
C□03006UN□□	3.0	0.060	37	300
C□040031N□□	4.0	0.031	23	300
C□050031N□□	5.0	0.031	24	300

*DC-8

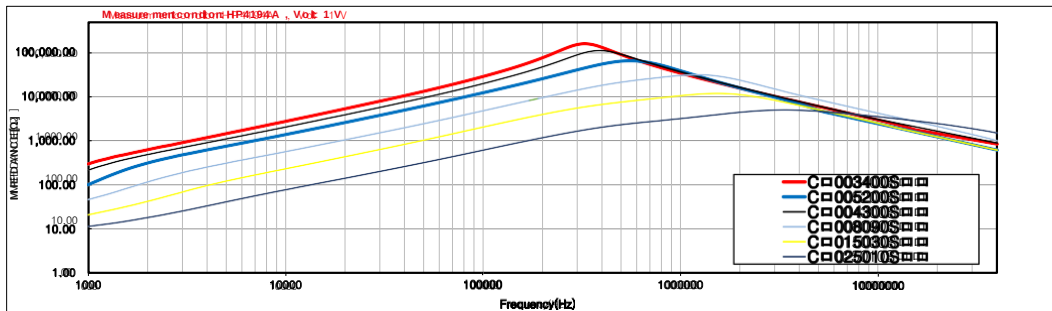
PartNo.	Rated current(A)	Inductance(mH)	DCR (mΩ)	Rated Voltage(V)
P□015015S□□	1.5	1.5	134	50
P□035031N□□	3.5	0.031	23	50
C□040031N□□	4.0	0.031	23	50
P□050031N□□	5.0	0.031	24	50
P□55031N□□	5.5	0.031	23	50
P□065031N□□	6.5	0.031	18	50

Notice

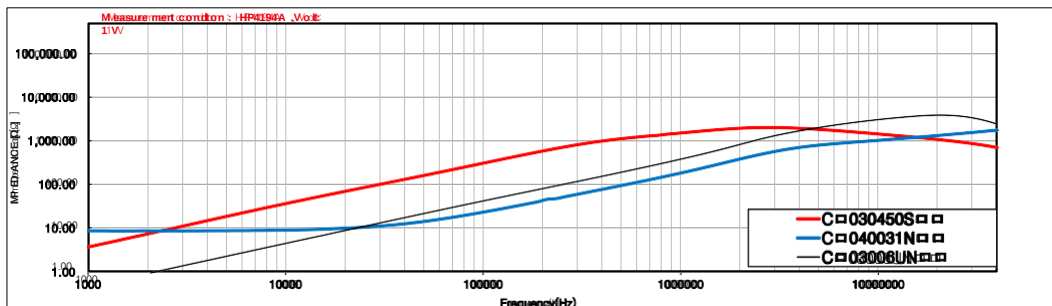
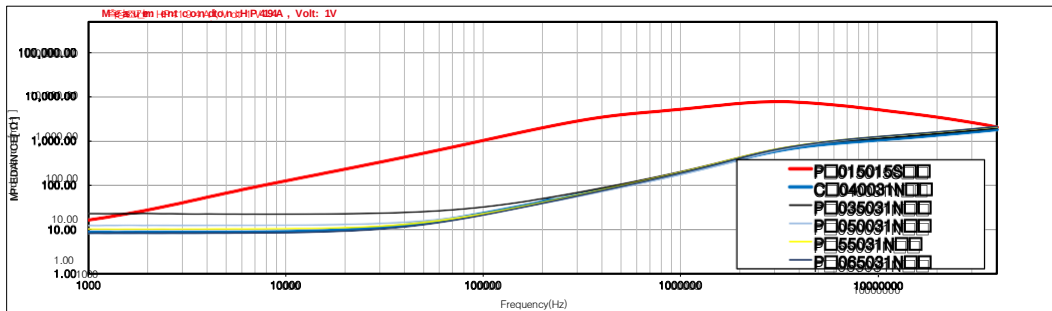
- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- UL94V-0 certified resin used - Pb-free solder used - RoHS free - Custom made Products are also available - Halogen free available

*AC-8



*DC-8



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■ SHAPE AND DIMENSION

Fig.1 CV0J- SERIES

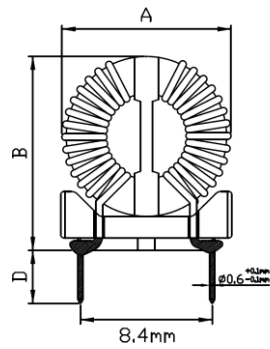


Fig.2 CV0D- SERIES

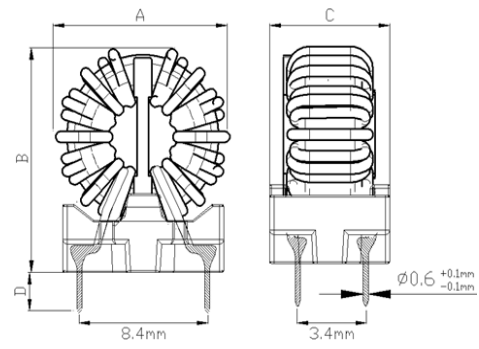


Fig.3 CV0F- SERIES

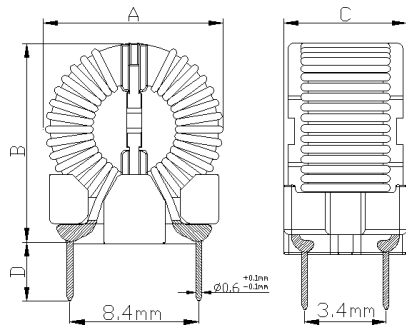


Fig.4 CH0B- SERIES

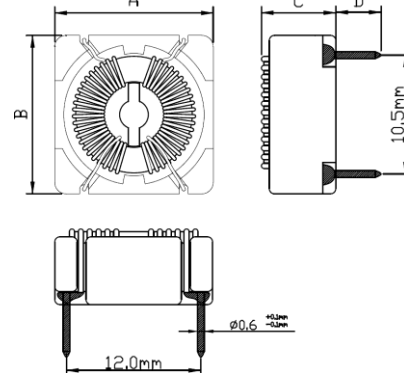


Fig.5 CH0D- SERIES

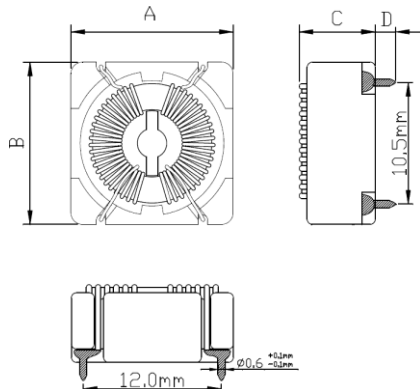


Fig.6 PV0E- SERIES

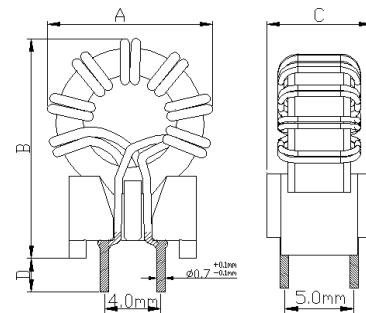


Fig.7 PV0J- SERIES

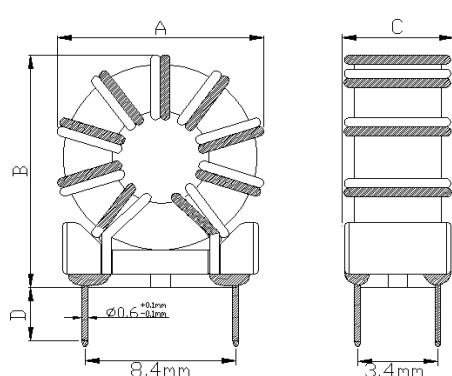
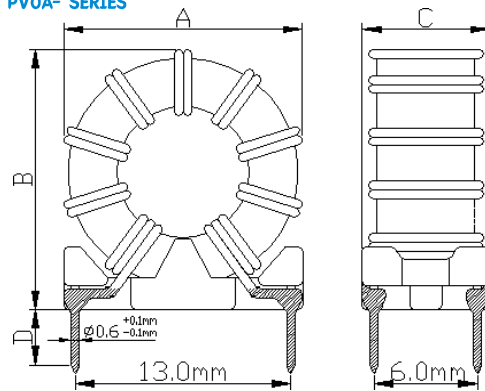


Fig.8 PV0A- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CV0J (FIG.1)	14.0	16.0	10.0	4.0±1.0 (Not include solder fillet)
CV0D (FIG.2)	14.0	16.0	10.0	4.0±1.0 (Not include solder fillet)
CV0F (FIG.3)	13.0	15.0	10.0	4.0±1.0 (Not include solder fillet)
CH0B (FIG.4)	14.5	14.5	8.0	4.0±1.0 (Not include solder fillet)
CH0D (FIG.5)	14.5	14.5	8.0	1.0±0.5 (Not include solder fillet)
PV0E (FIG.6)	13.0	17.0	9.0	4.0±1.0 (Not include solder fillet)
PV0J (FIG.7)	14.0	16.0	9.0	4.0±1.0 (Not include solder fillet)
PV0A (FIG.8)	17.0	15.0	10.0	4.0±1.0 (Not include solder fillet)

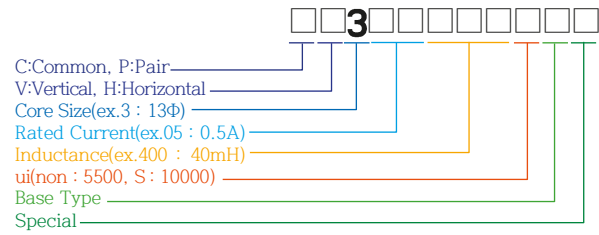
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Common

13Φ-SERIES



■ PRODUCT NAME MEANING

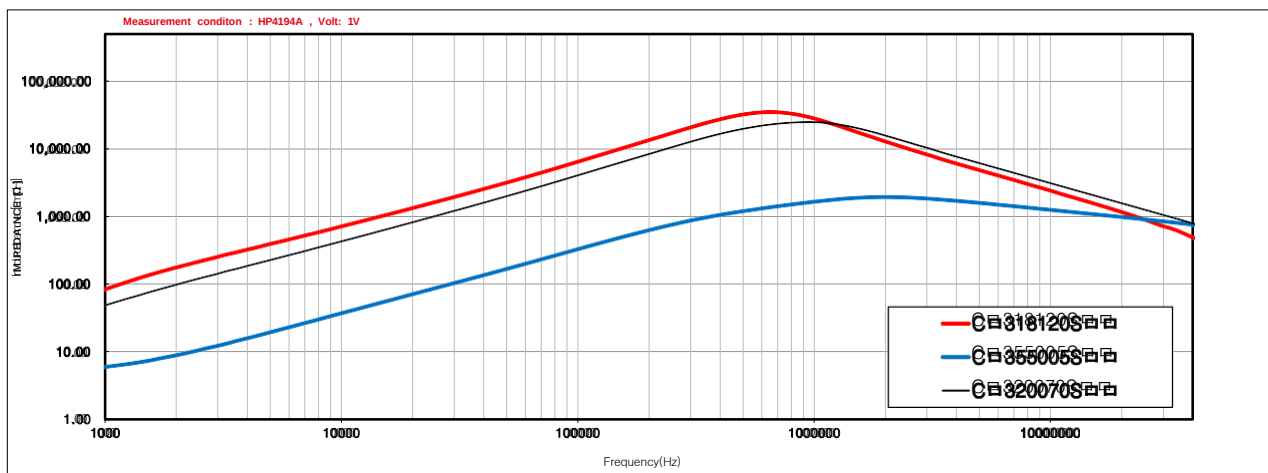
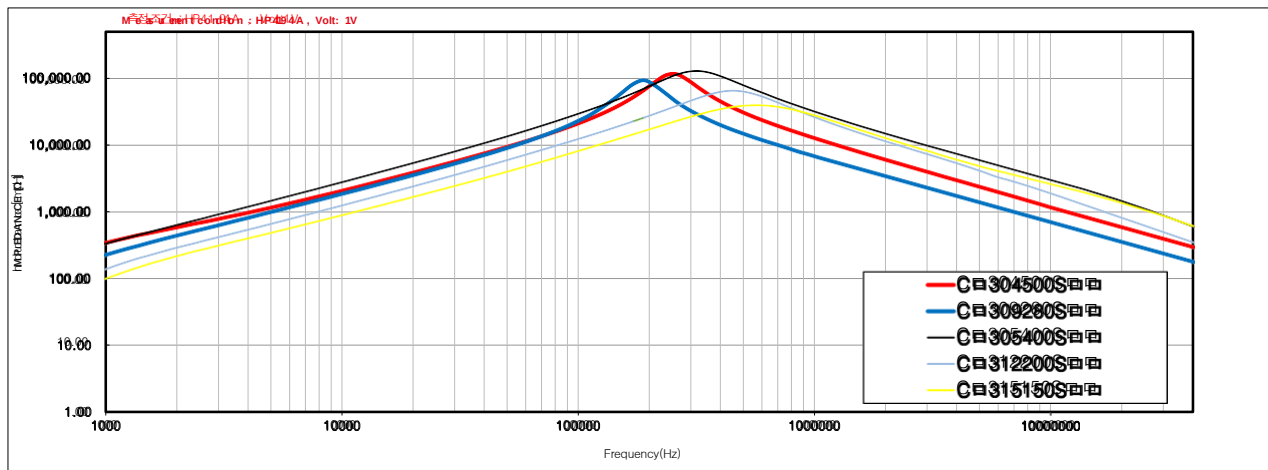


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
C□304500S□□	0.4	50.0	963	300
C□305400S□□	0.5	40.0	838	300
C□309280S□□	0.9	28.0	477	300
C□312200S□□	1.2	20.0	279	300
C□315150S□□	1.5	15.0	266	300
C□318120S□□	1.8	12.0	156	300
C□320070S□□	2.0	7.0	141	300
C□355005S□□	5.5	0.50	19	300
C□36045US□□	6.0	0.45	19	300

Notice

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- RoHS free
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■ SHAPE AND DIMENSION

Fig.1 CV3A- SERIES

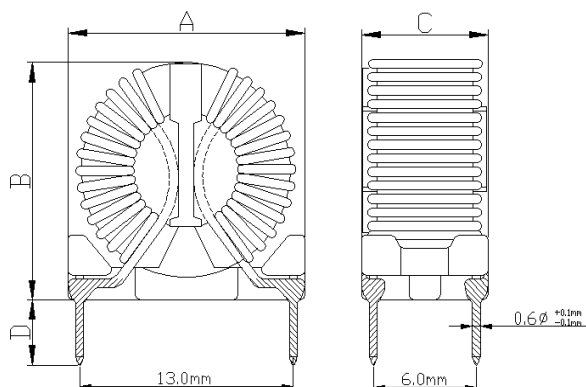


Fig.2 CV3B- SERIES

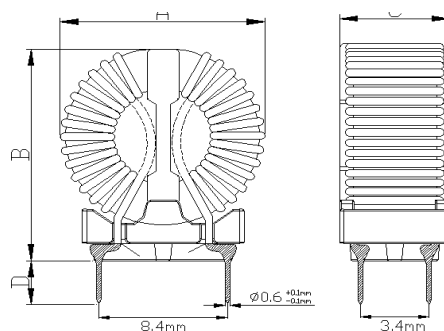


Fig.3 CV3C- SERIES

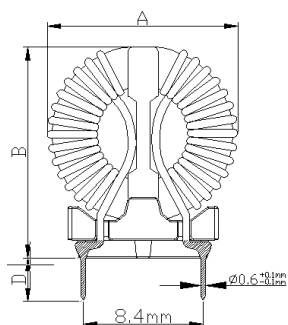
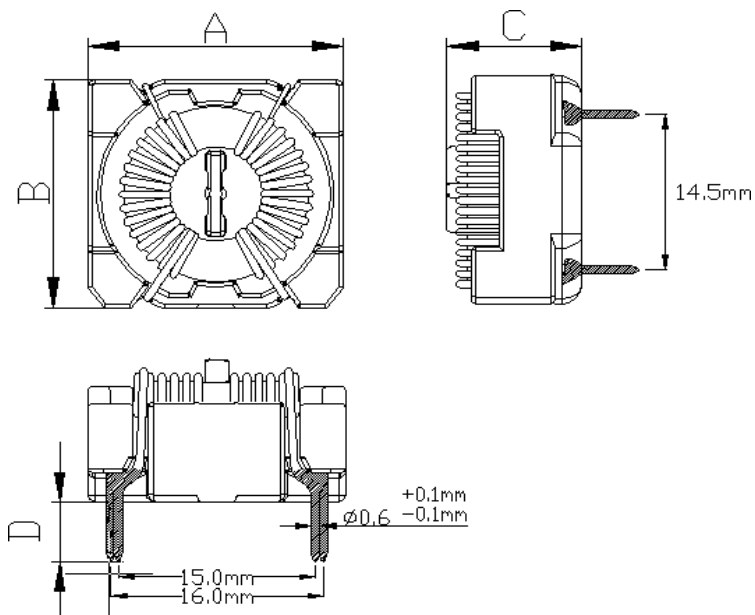


Fig.4 CH3B- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CV3A(FIG.1)	17.0	18.5	10.0	4.0±1.0
CV3B(FIG.2)	16.0	18.5	10.0	4.0±1.0
CV3C(FIG.3)	16.0	18.5	10.0	5.0±1.0
CH3B(FIG.4)	20.0	20.0	9.5	4.0±1.0

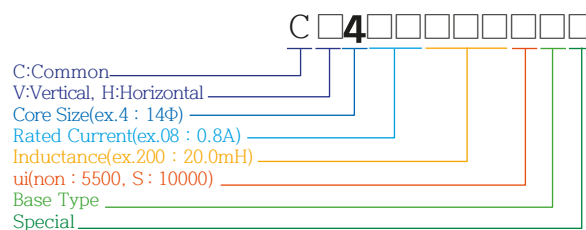
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Common

14Φ-SERIES



■ PRODUCT NAME MEANING



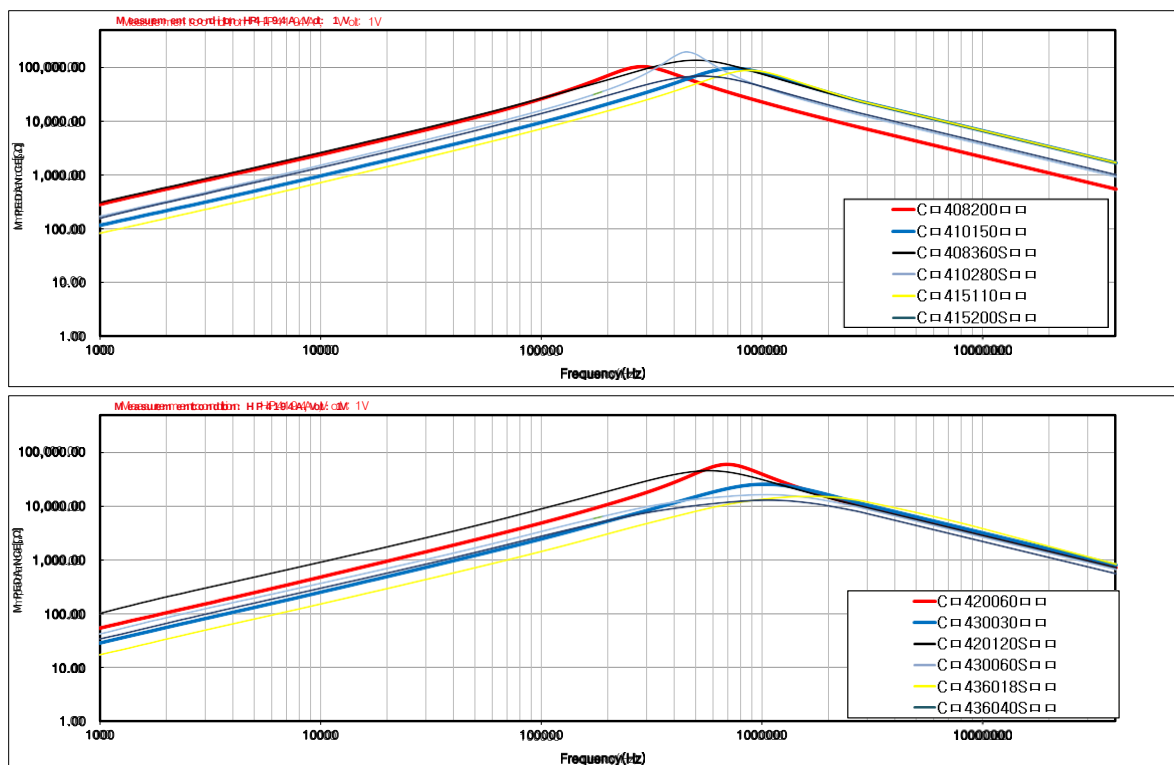
■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
C 408200	0.8	20.0	667	300
C 408360S	0.8	36.0	667	300
C 410150	1.0	15.0	422	300
C 410280S	1.0	28.0	422	300
C 415110	1.5	11.0	279	300
C 415200S	1.5	20.0	279	300
C 420060	2.0	6.0	170	300
C 420120S	2.0	12.0	170	300
C 423050	2.3	5.0	113	300
C 423090S	2.3	9.0	113	300
C 430030	3.0	3.0	92	300
C 430060S	3.0	6.0	92	300
C 436018	3.6	1.8	70	300
C 436040S	3.6	4.0	47	300

Notice

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- RoHS free
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■ SHAPE AND DIMENSION



Fig.1 CV4K- SERIES

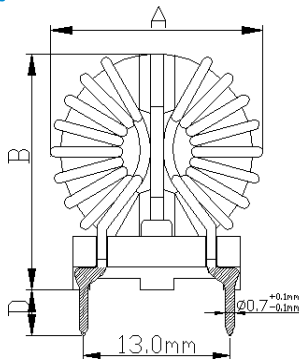


Fig.2 CV4L- SERIES

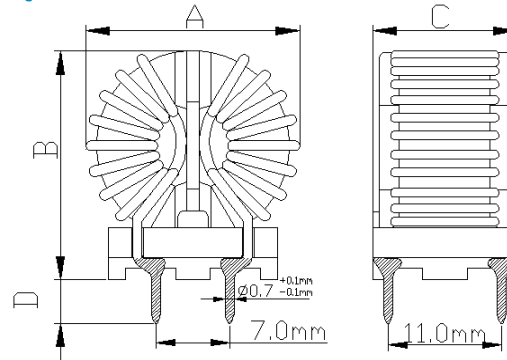
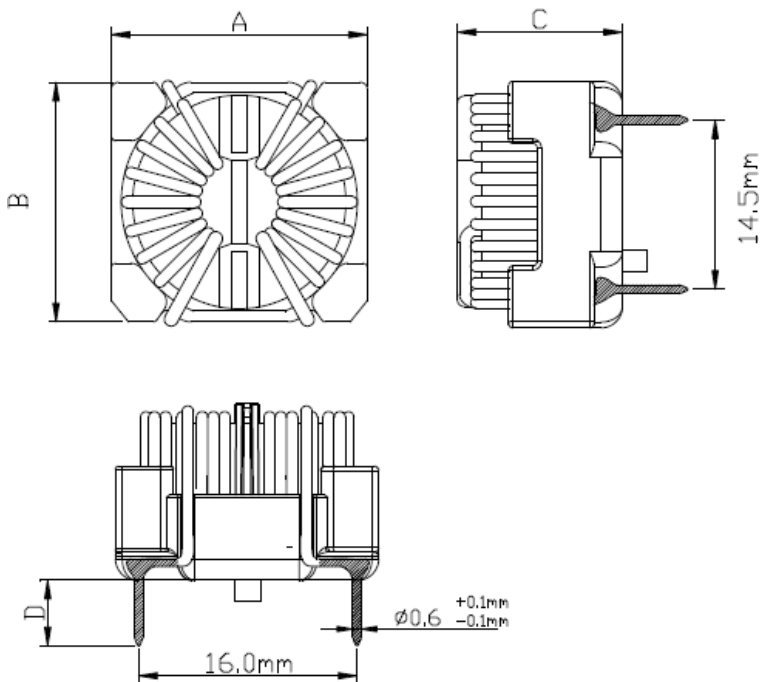
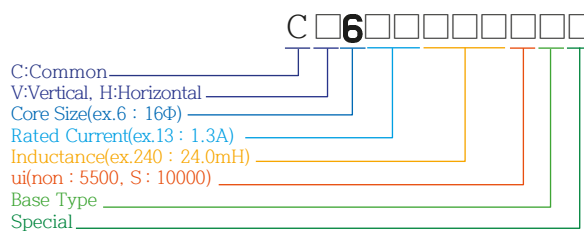
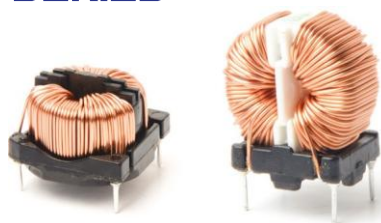


Fig.3 CH4F- SERIES



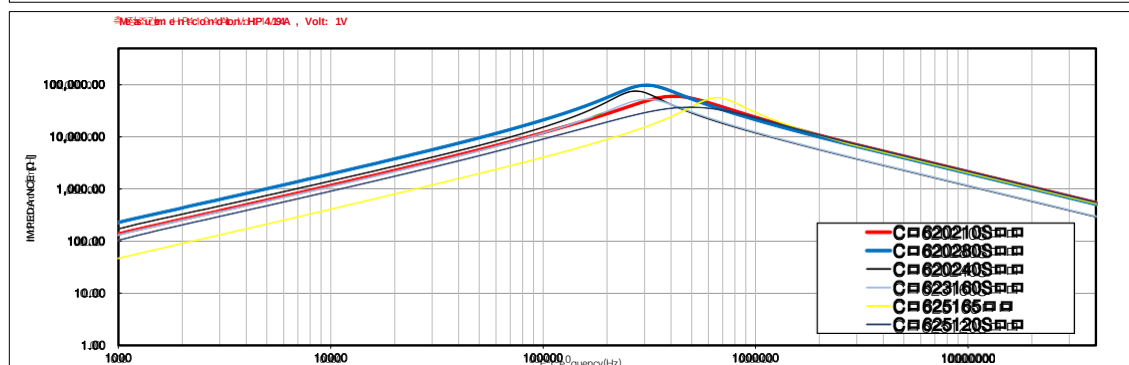
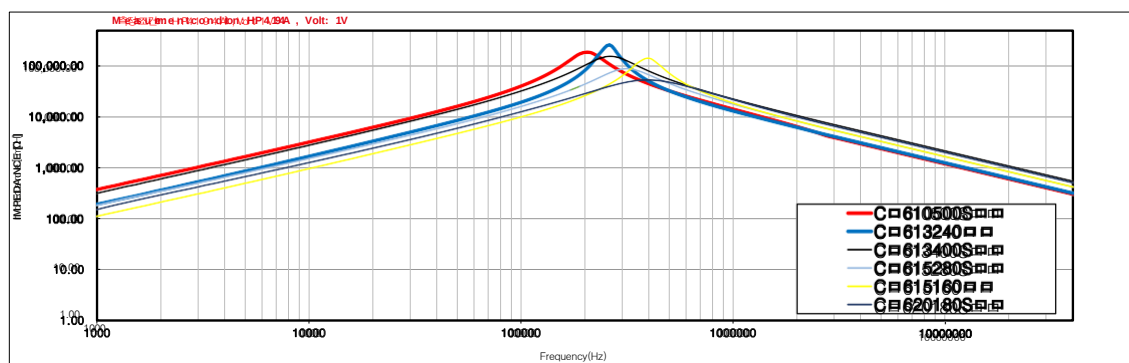
MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CV4K(FIG.1)	18.0	20.0	15.0	4.0±1.0
CV4L(FIG.2)	18.0	20.0	15.0	4.0±1.0
CV4F(FIG.3)	20.0	20.0	16.0	4.0±1.0

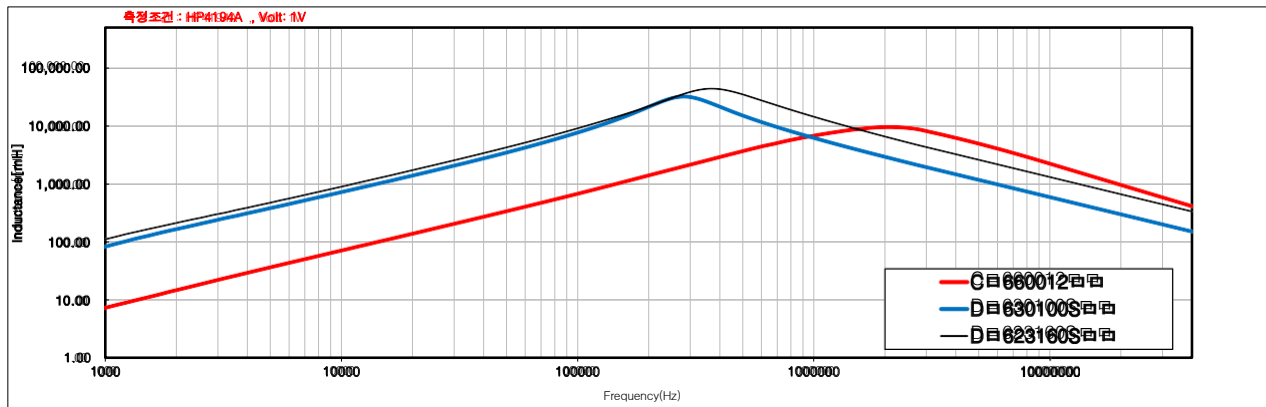
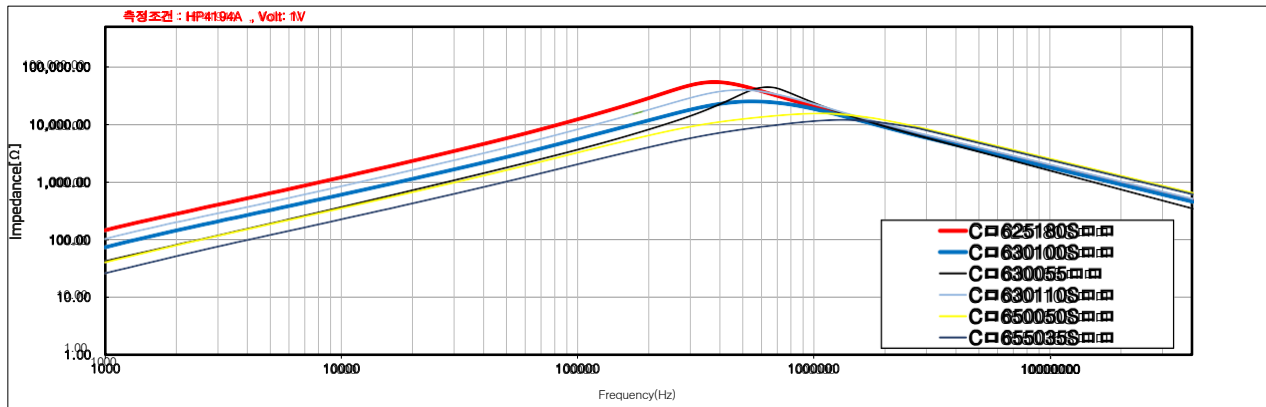
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Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
C□610500S□□	1.0	50.0	436	300
C□613400S□□	1.3	40.0	435	300
C□613240□□	1.3	24.0	439	300
C□615280S□□	1.5	28.0	284	300
C□615160□□	1.5	16.0	284	300
C□620180S□□	2.0	18.0	173	300
C□620210S□□	2.0	21.0	177	300
C□620240S□□	2.0	24.0	173	300
C□620280S□□	2.0	28.0	212	300
C□623160S□□	2.3	16.0	138	300
C□625065□□	2.5	6.5	145	300
C□625120S□□	2.5	12.0	115	300
C□625180S□□	2.5	18.0	136	300
C□630055□□	3.0	5.5	91	300
C□630100S□□	3.0	10.0	117	300
C□630110S□□	3.0	10.0 MIN	101	300
C□650050S□□	5.0	5.0	48	300
C□655035S□□	5.5	3.5	43	300
C□660012□□	6.0	1.2	25	300
D□623160S□□	2.3	16.0	165	300
D□630100S□□	3.0	10.0	85	300

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
 - Winding Temperature Rise(at Rated Current)is under 55°C
 - Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used - Pb-free solder used - RoHS free - Custom made Products are also available - Halogen free available





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■ SHAPE AND DIMENSION

Fig.1 CV6K- SERIES

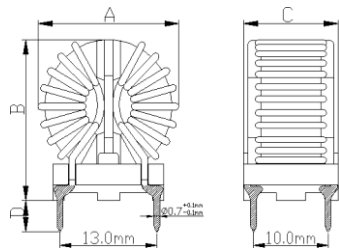


Fig.2 CV6L- SERIES

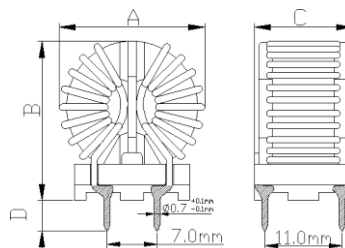


Fig.3 CH6F- SERIES

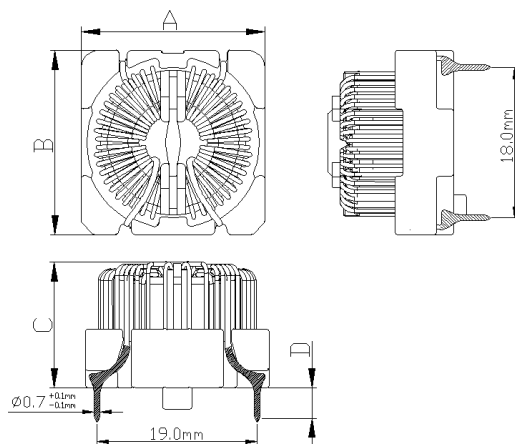
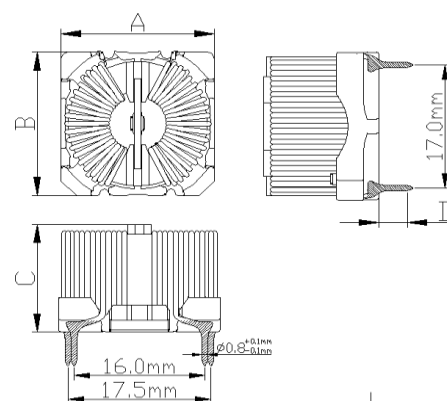


Fig.4 CH6M- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CV6K(FIG.1)	21.0	23.0	15.0	4.0±1.0
CV6L(FIG.2)	21.0	23.0	15.0	4.0±1.0
CH6F(FIG.3)	23.0	23.0	16.0	4.0±1.0
CH6M(FIG.4)	22.0	22.0	16.0	4.0±1.0

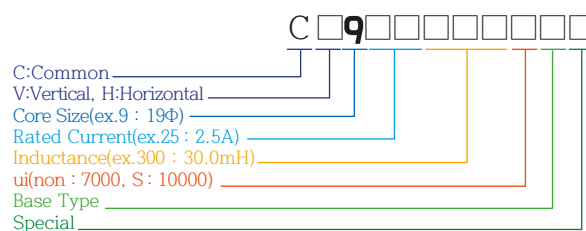
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19Φ-SERIES



■ PRODUCT NAME MEANING

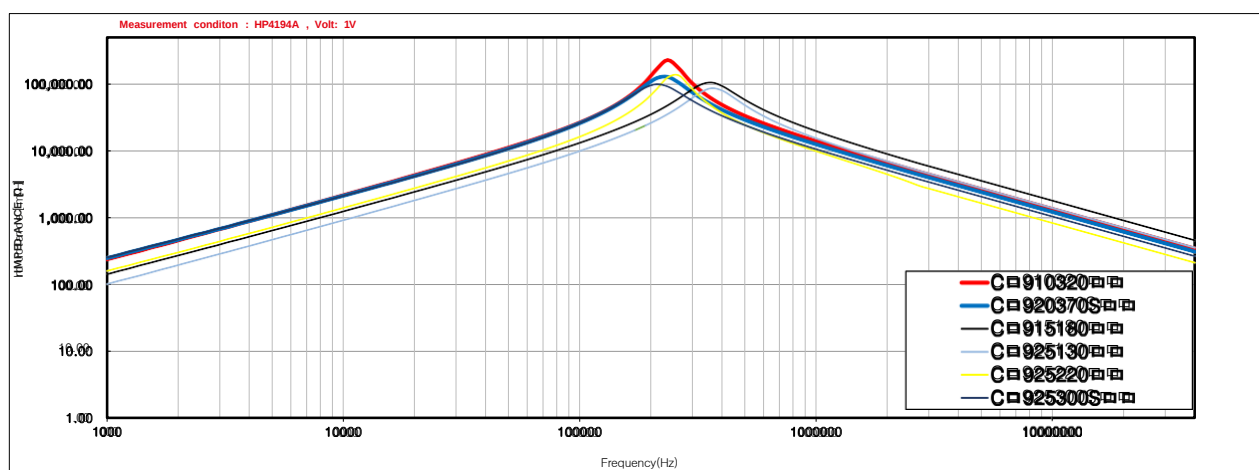


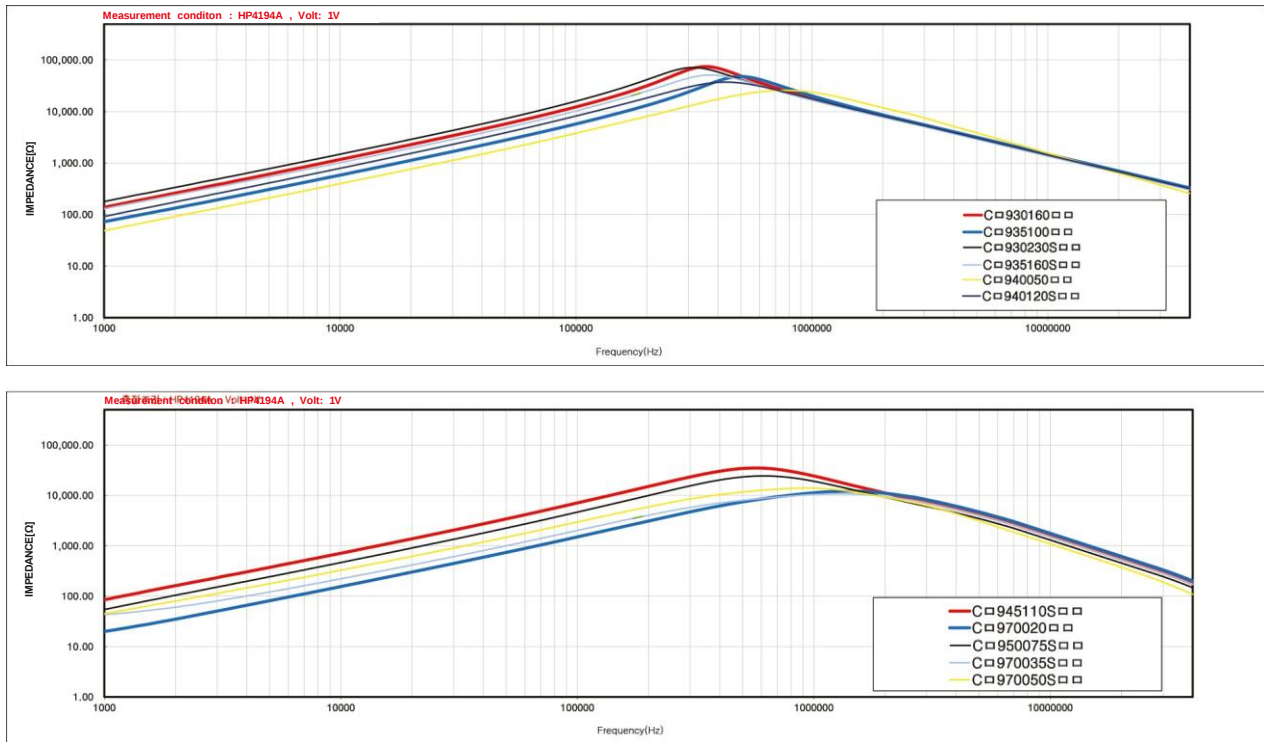
■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
C□910320□□	1.0	32.0	503	300
C□915180□□	1.5	18.0	250	300
C□920370S□□	2.0	37.0	244	300
C□925130□□	2.5	13.0	173	300
C□925220□□	2.5	22.0	187	300
C□925300S□□	2.5	30.0	183	300
C□930160□□	3.0	16.0	138	300
C□930230S□□	3.0	23.0	138	300
C□935100□□	3.5	10.0	96	300
C□935160S□□	3.5	16.0	103	300
C□940050□□	4.0	5.0	80	300
C□940120S□□	4.0	12.0	77	300
C□945110S□□	4.5	11.0	69	300
C□950075S□□	5.0	7.5	58	300
C□970020□□	7.0	2.0	25	300
C□970035S□□	7.0	3.5	26	300
C□970050S□□	7.0	5.0	30	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available





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■ SHAPE AND DIMENSION

Fig.1 CV9F- SERIES

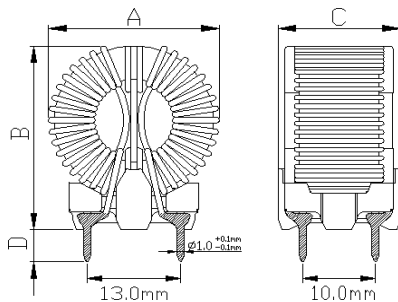


Fig.2 CV9E- SERIES

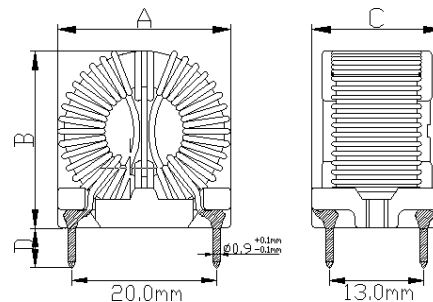


Fig.3 CH9H- SERIES

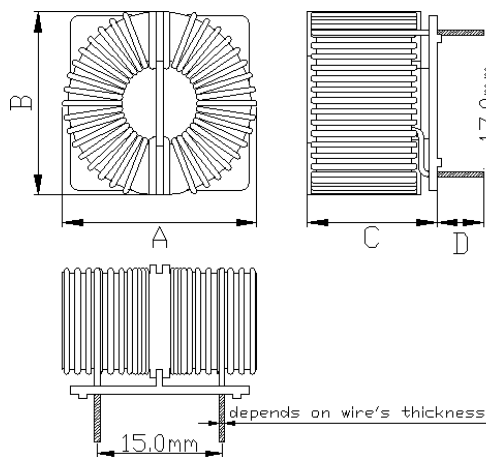
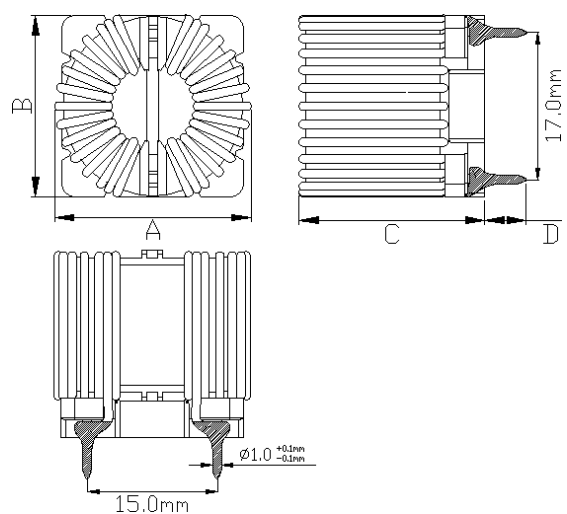


Fig.4 CH9Q- SERIES

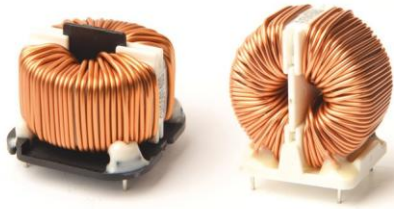


MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CV9F(FIG.1)	25.0	30.0	20.0	4.0 $\pm$ 1.0
CV9E(FIG.2)	25.0	25.0	21.0	4.0 $\pm$ 1.0
CH9H(FIG.3)	26.0	26.0	24.0	4.0 $\pm$ 1.0
CH9Q(FIG.4)	26.0	26.0	24.0	4.0 $\pm$ 1.0

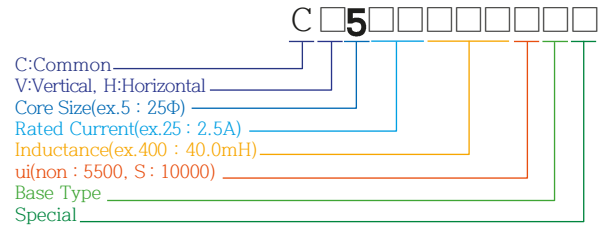
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Common

25Φ-SERIES



■ PRODUCT NAME MEANING

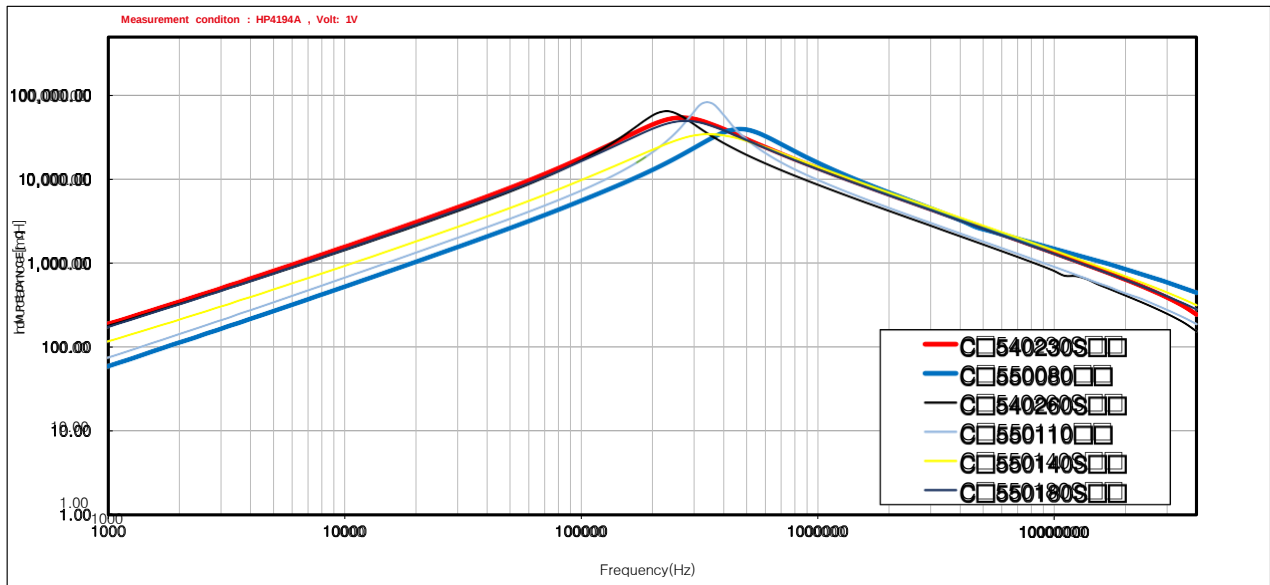


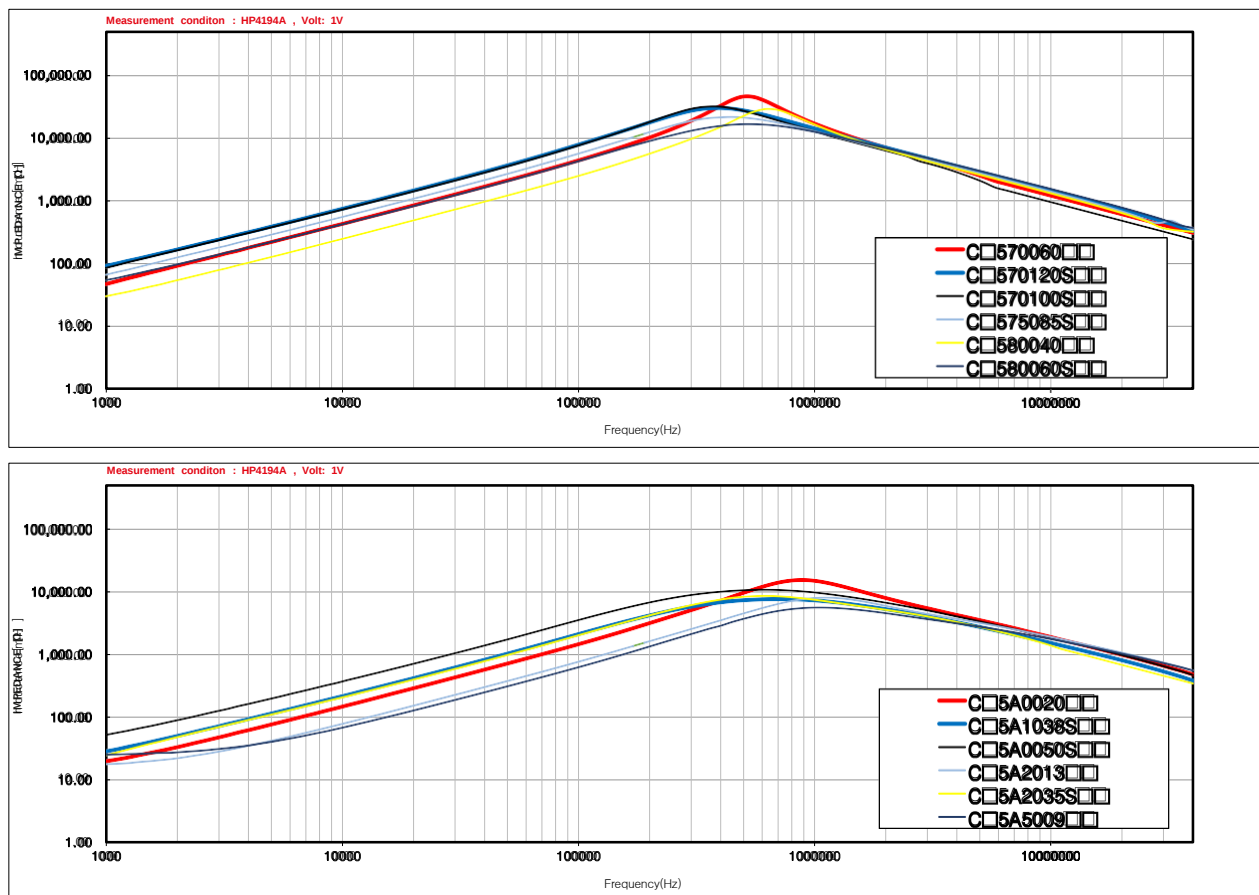
■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
C□530400S□□	3.0	40.0	161	300
C□535140□□	3.5	14.0	143	300
C□540230S□□	4.0	23.0	85	300
C□540260S□□	4.0	26.0	91	300
C□550080□□	5.0	8.0	77	300
C□550110□□	5.0	11.0	78	300
C□550140S□□	5.0	14.0	46	300
C□550180S□□	5.0	18.0	67	300
C□570060□□	7.0	6.0	46	300
C□570100S□□	7.0	10.0	46	300
C□570120S□□	7.0	12.0	35	300
C□575085S□□	7.5	8.5	39	300
C□580040□□	8.0	4.0	33	300
C□580060S□□	8.0	6.0	28	300
C□5A0020□□	10.0	2.0	23	300
C□5A0050S□□	10.0	5.0	20	300
C□5A1038S□□	11.0	3.8	16	300
C□5A2013□□	12.0	1.3	14	300
C□5A2035S□□	12.0	3.5	14	300
C□5A5009□□	15.0	0.9	10	300
D□550180S□□	5.0	18.0	67	300
D□580080S□□	8.0	8.0	30	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
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- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
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■ SHAPE AND DIMENSION

Fig.1 CV5K- SERIES

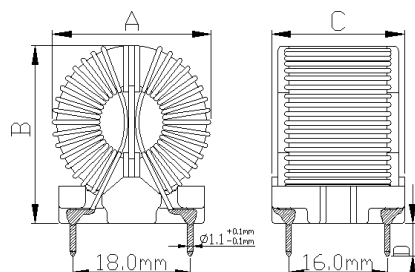


Fig.2 CV5A- SERIES

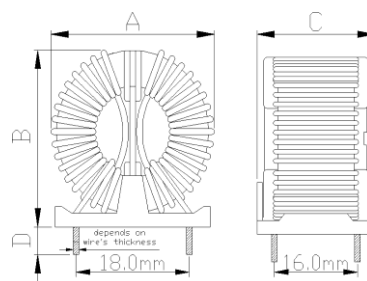
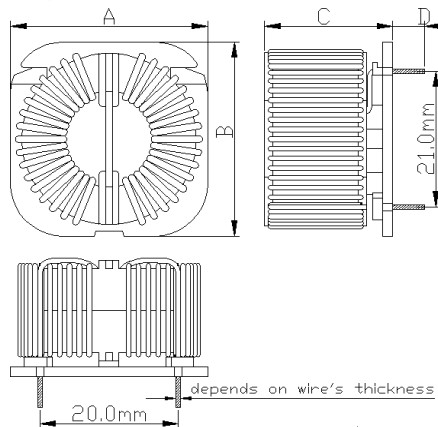


Fig.3 CH5H- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CV5K(FIG.1)	33.0	35.0	25.0	4.0±1.0
CV5A(FIG.2)	33.0	35.0	25.0	4.0±1.0
CH5H(FIG.3)	35.0	35.0	25.0	4.0±1.0

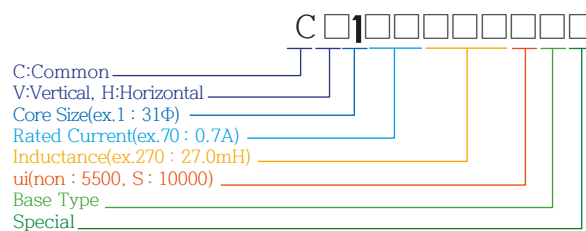
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Common

31Φ-SERIES



■ PRODUCT NAME MEANING

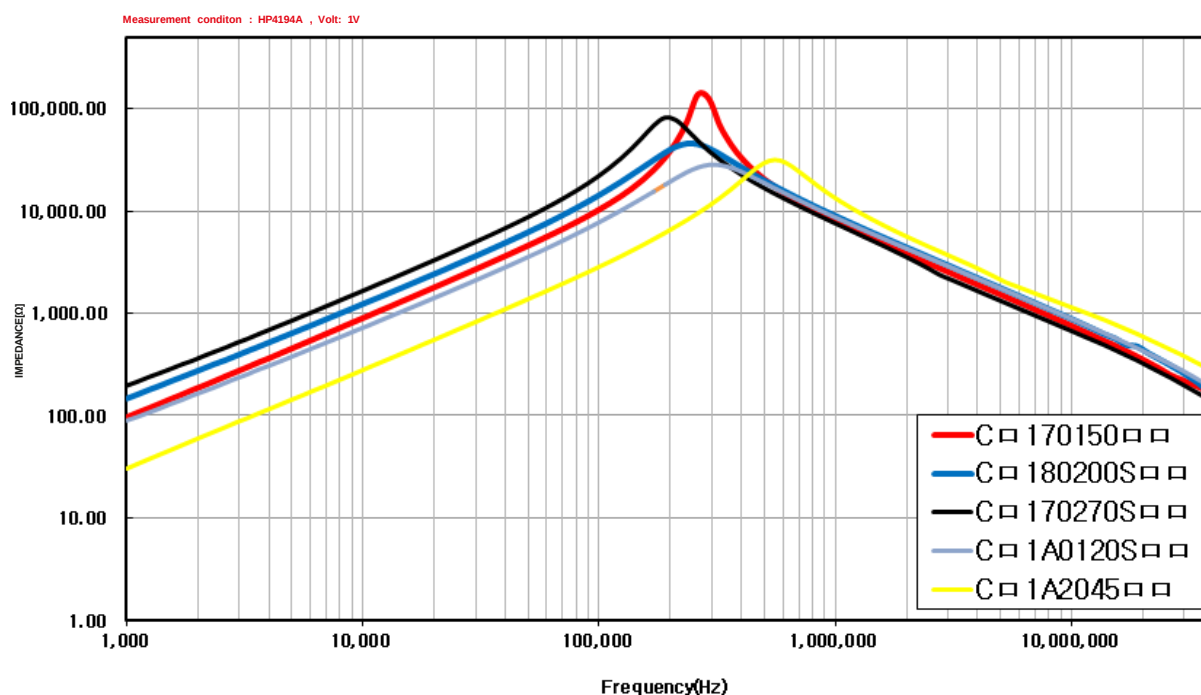


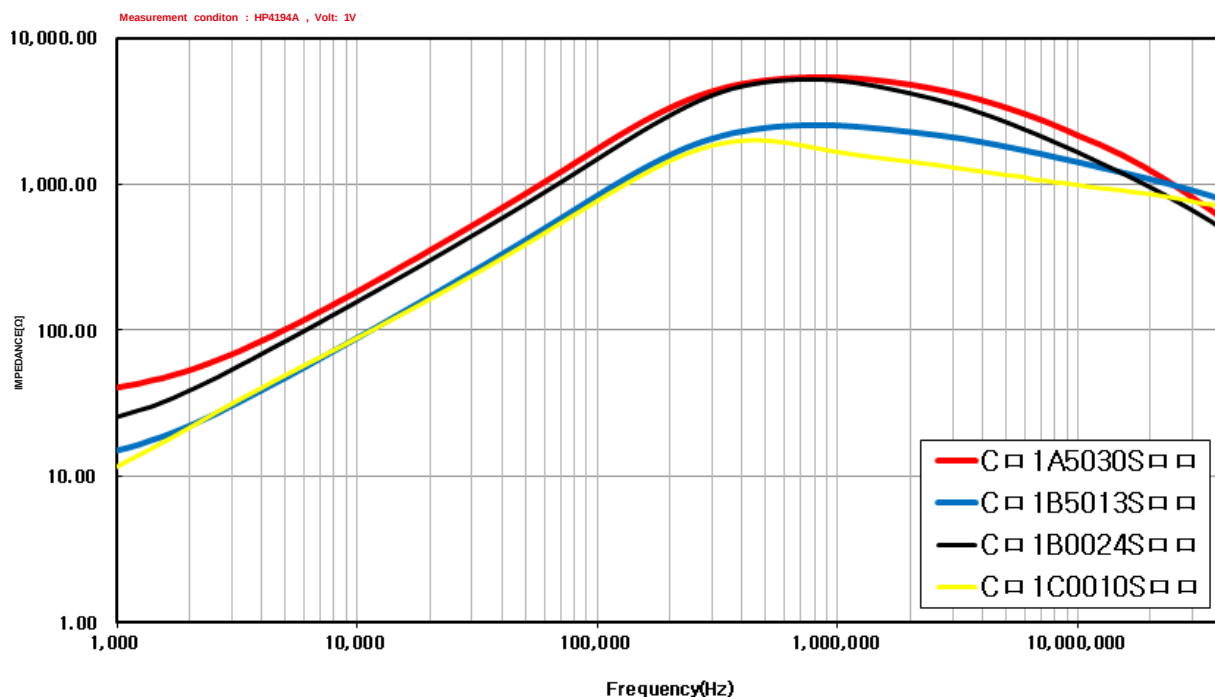
■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
C□170150□□	7.0	15.0	48	300
C□170270S□□	7.0	27.0	60	300
C□180200S□□	8.0	20.0	44	300
C□1A0120S□□	10.0	12.0	26	300
C□1A2045□□	12.0	4.5	15	300
C□1A5030S□□	15.0	3.0	13	300
C□1B0024S□□	20.0	2.4	7	300
C□1B5013S□□	25.0	1.3	6	300
C□1C0010S□□	30.0	1.0	4	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
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- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
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■ SHAPE AND DIMENSION

Fig.1 CV1A- SERIES

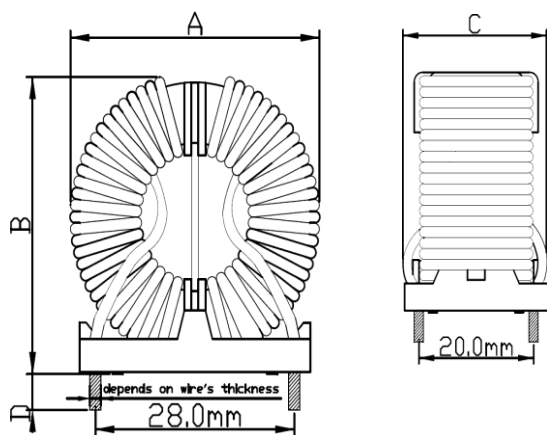
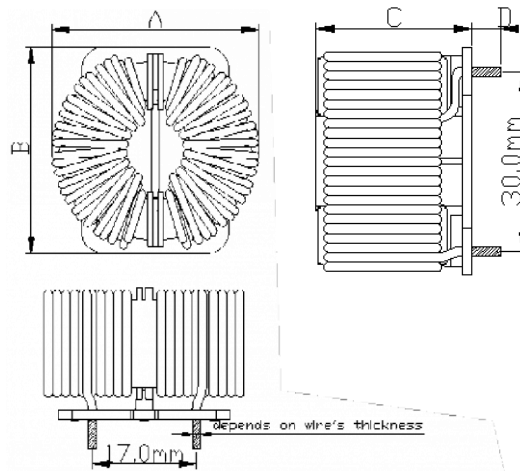


Fig.2 CH1H- SERIES

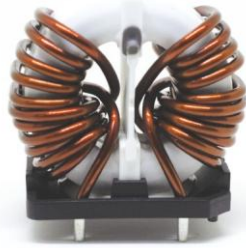


MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CV1A(FIG.1)	43.0	43.0	28.0	4.0±1.0
CH1H(FIG.2)	42.0	40.0	30.0	4.0±1.0

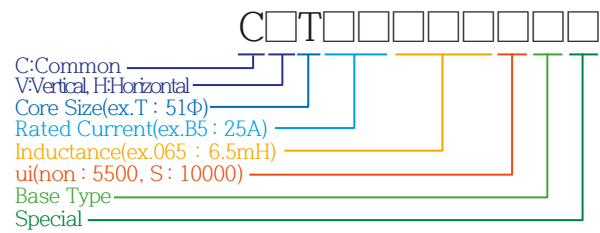
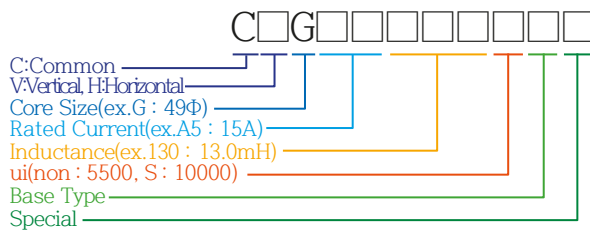
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Common

49Φ,51Φ-SERIES



■ PRODUCT NAME MEANING



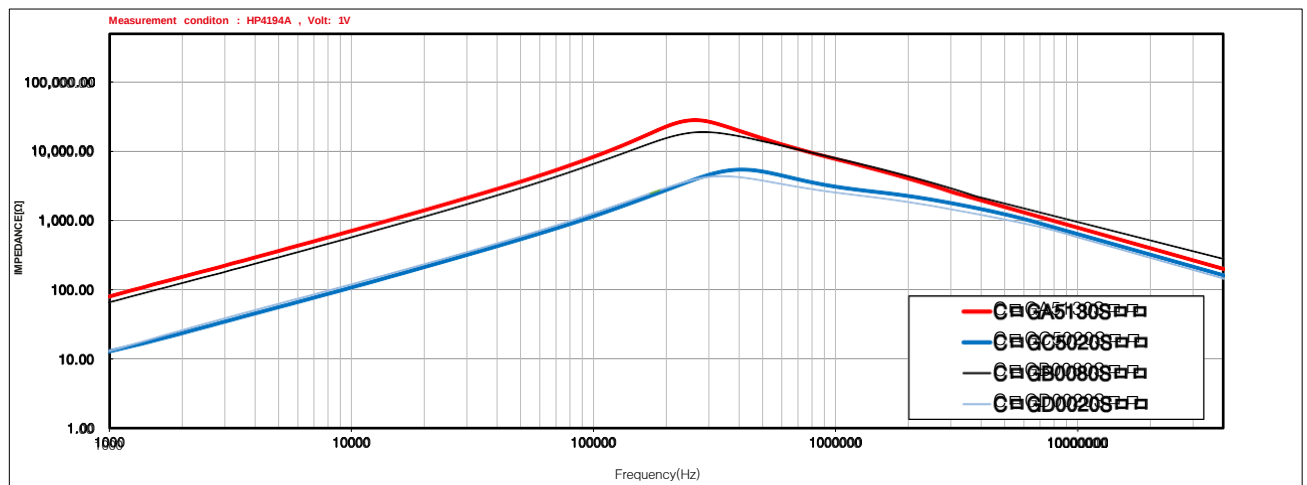
■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance (mH)	DCR (mΩ)	Rated Voltage(V)
C□GA5130S□□	15.0	13.0	14	300
C□GB0080S□□	20.0	8.0	11	300
C□GC5020S□□	35.0	2.0	3.5	300
C□GD0020S□□	40.0	2.0	3	300

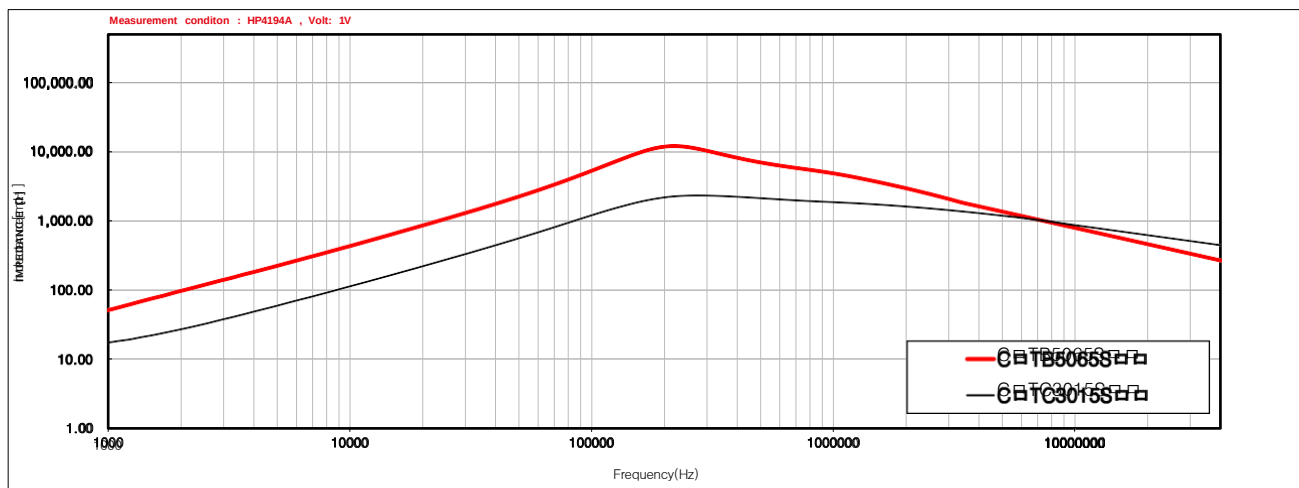
Part No.	Rated current(A)	Inductance(mH)	DC R (mΩ)	Rated Voltage(V)
C□TB5065S□□	25.0	6.5	10	300
C□TC3015S□□	33.0	1.5	6	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
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■ SHAPE AND DIMENSION

Fig.1 CVGA- SERIES

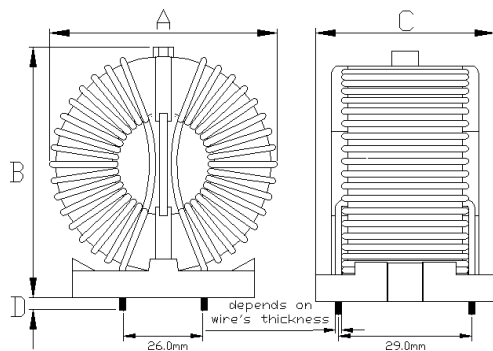


Fig.2 CVGB- SERIES

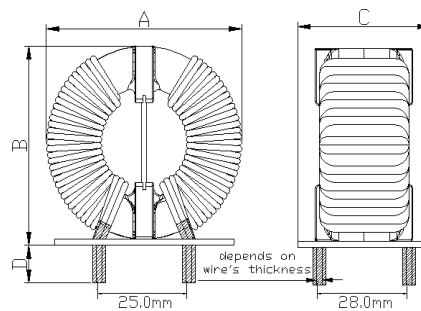


Fig.3 CHGH- SERIES

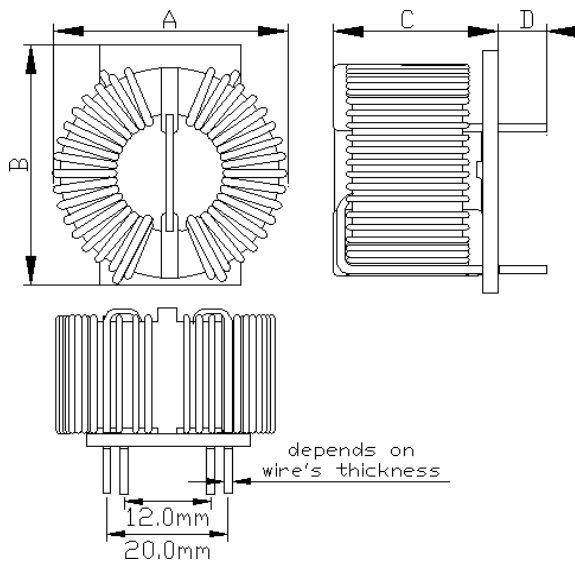
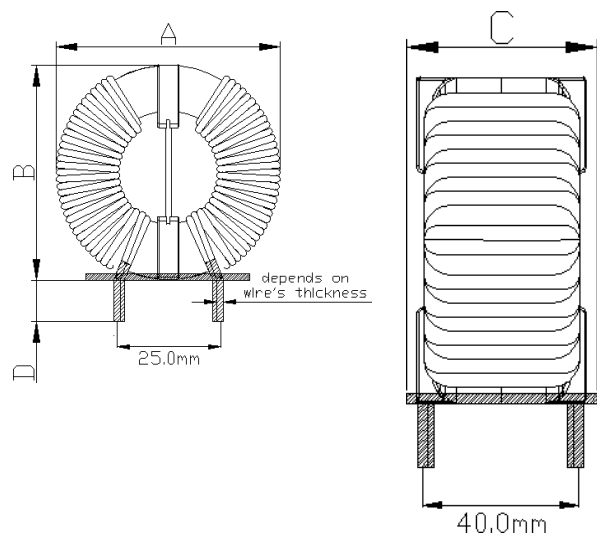


Fig.4 CVTJ- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CVGA(FIG.1)	65.0	65.0	40.0	5.0±2.0
CVGB(FIG.2)	62.0	60.0	38.0	5.0±2.0
CHGH(FIG.3)	70.0	65.5	40.0	5.0±2.0
CVTJ(FIG.4)	70.0	70.0	50.0	5.0±2.0

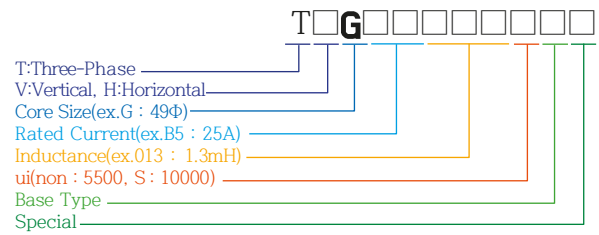
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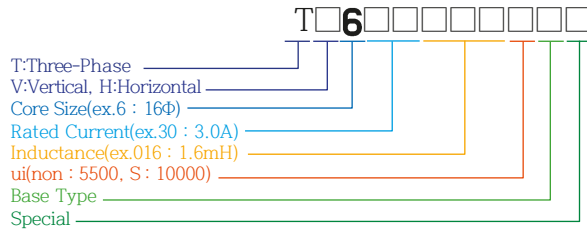
3상COIL-SERIES



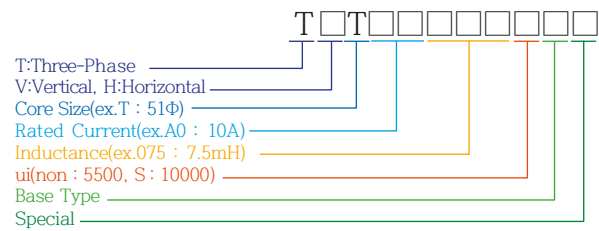
■ PRODUCT NAME MEANING



■ PRODUCT NAME MEANING



■ PRODUCT NAME MEANING

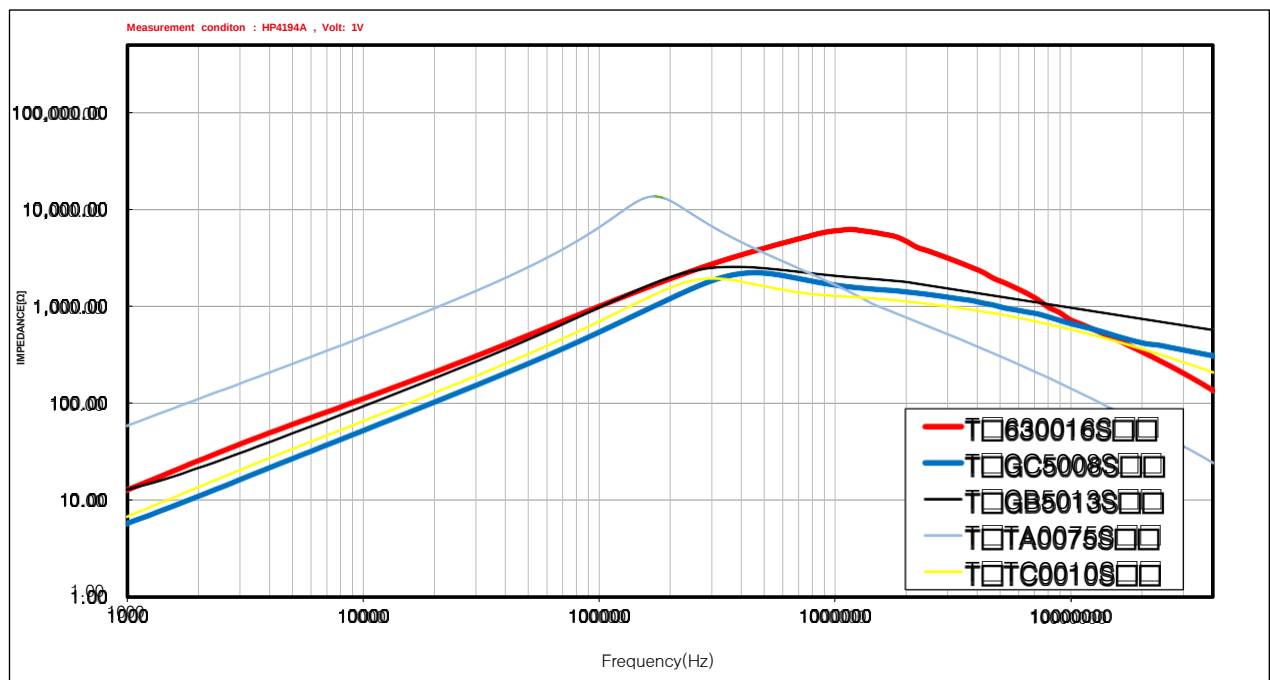


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
T□630016S□□	3.0	1.6	60	450
T□GB5013S□□	25.0	1.3	5	450
T□GC5008S□□	35.0	0.8	2	450
T□TA0075S□□	10.0	(1KHz) 3.5MIN	22	450
T□TC0010S□□	30.0	(100KHz) 1.2	3	450

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available



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■ SHAPE AND DIMENSION

Fig.1 TV6A- SERIES

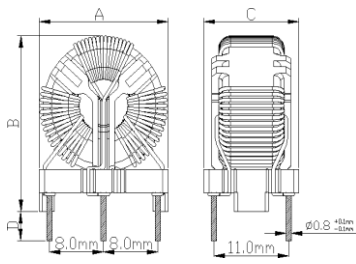


Fig.2 TVGN- SERIES

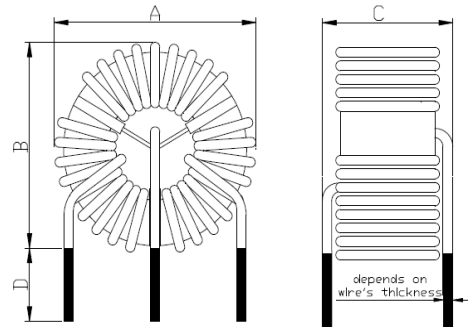


Fig.3 THGN- SERIES

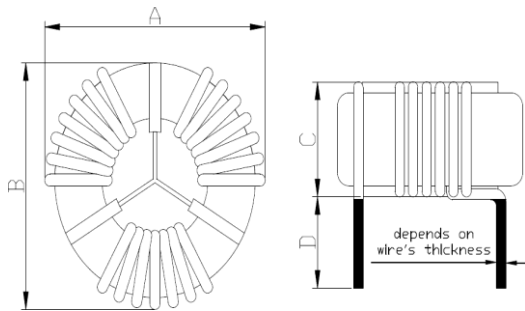


Fig.4 TVTE- SERIES

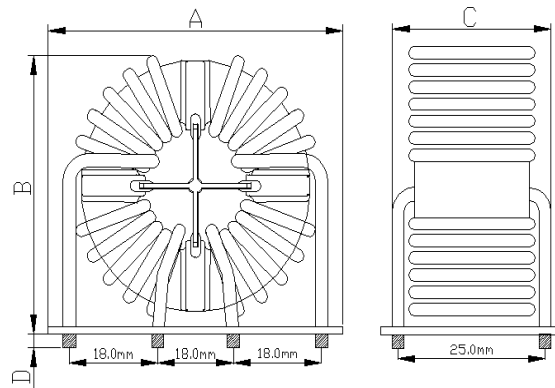


Fig.5 TVTB- SERIES

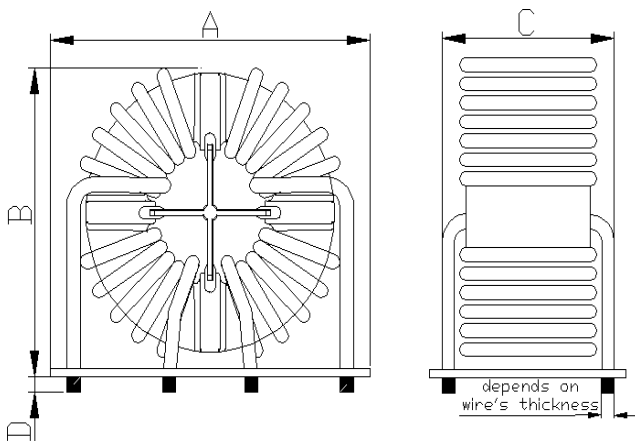
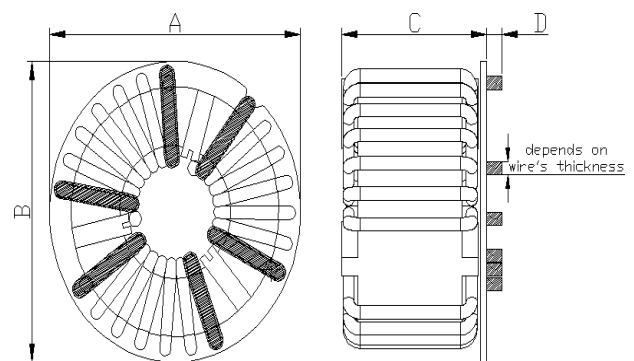


Fig.6 THTA- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
TV6A(FIG.1)	22.0	27.0	17.0	4.0±1.0
TVGN(FIG.2)	65.0	65.0	40.0	15.0±5.0
THGN(FIG.3)	65.0	65.0	35.0	20.0±5.0
TVTE(FIG.4)	70.5	65.0	35.5	4.0±1.0
TVTB(FIG.5)	72.0	65.0	47.0	4.0±1.0
THTA(FIG.6)	68.0	68.0	43.0	4.0±1.0

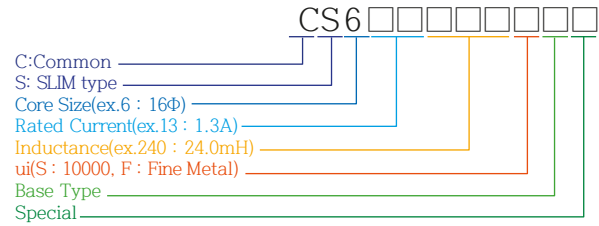
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Common

SLIM 16Φ-SERIES



■ PRODUCT NAME MEANING



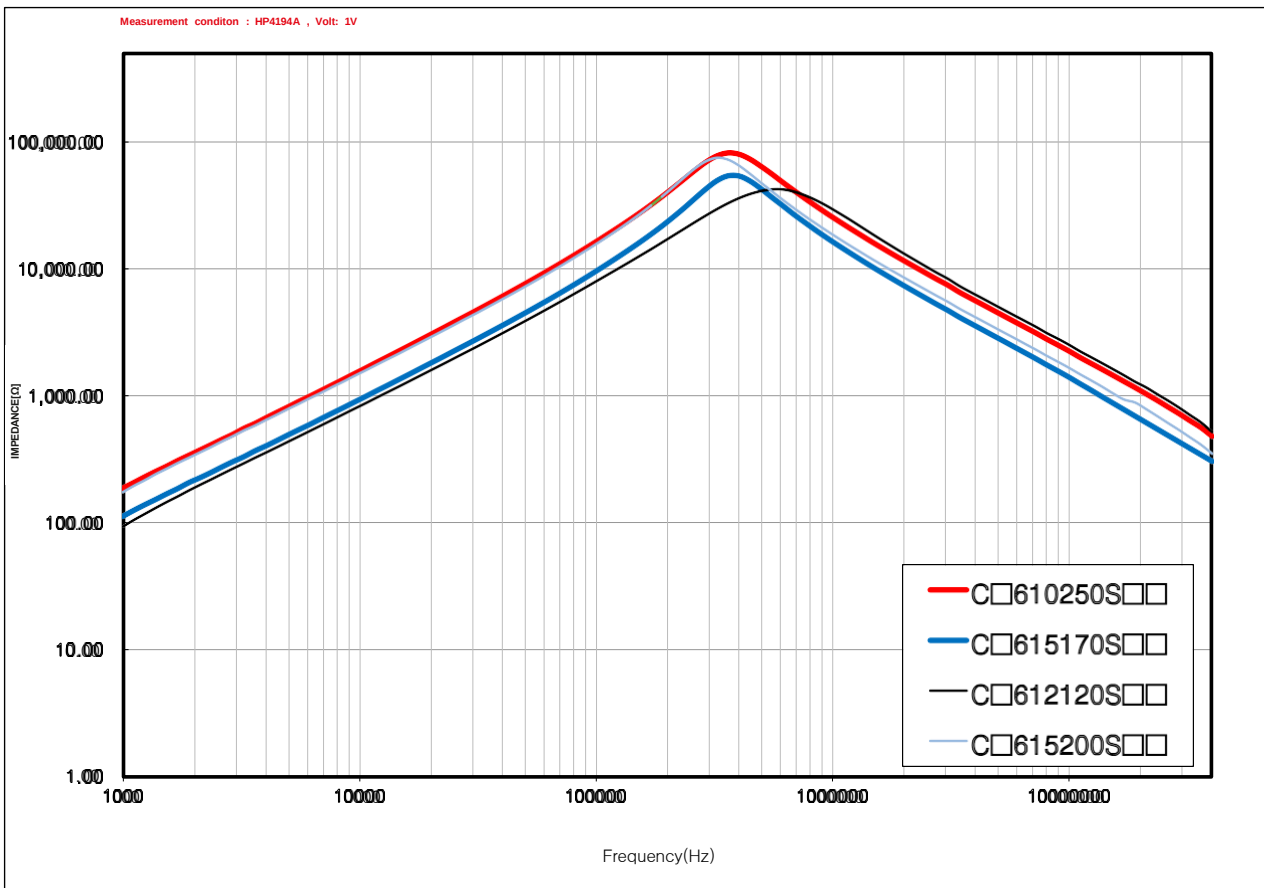
■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
C□610250S□□	1.0	25.0	350	300
C□612120S□□	1.2	12.0	420	300
C□615170S□□	1.5	17.0	220	300
C□615200S□□	1.5	20.5	275	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available



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■ SHAPE AND DIMENSION

Fig.1 CS6H- SERIES

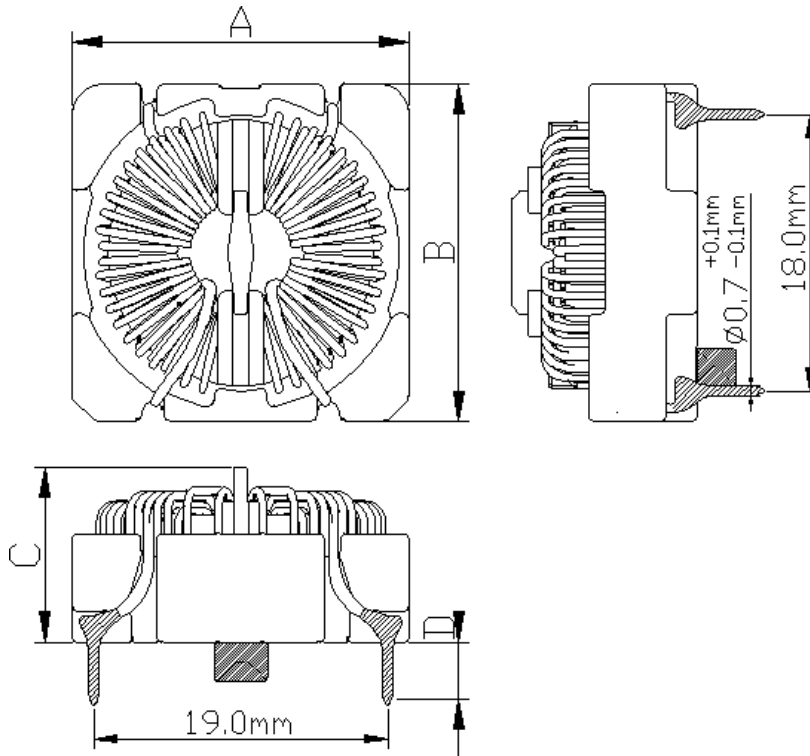
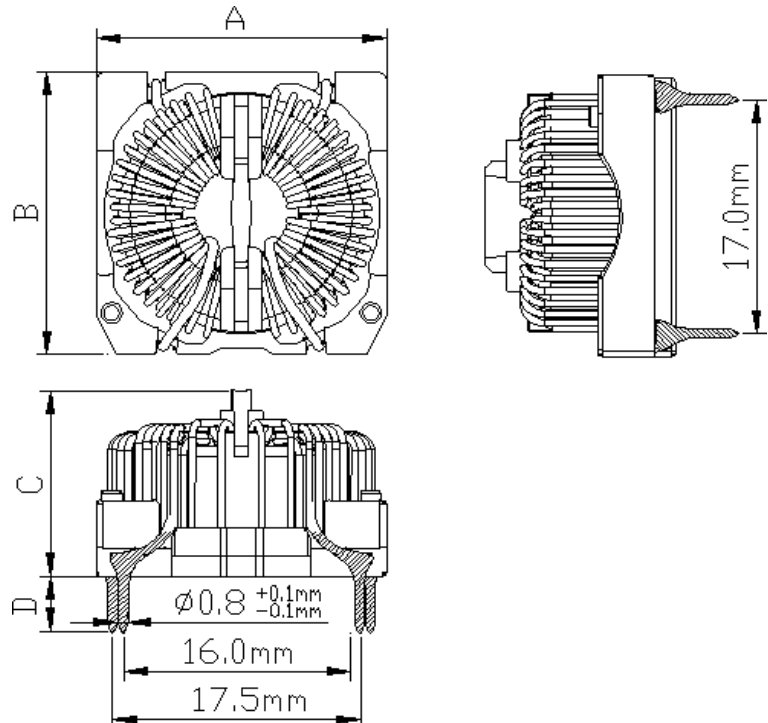


Fig.2 CS6K- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CS6H(FIG.1)	23.0	23.0	13.5	4.0±1.0
CS6K(FIG.2)	21.0	23.0	13.5	4.0±1.0

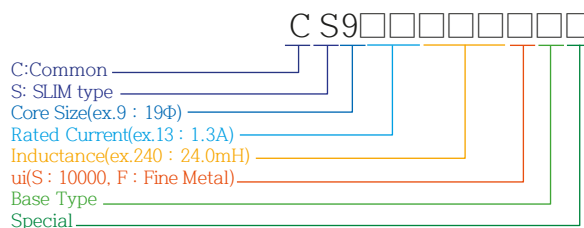
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Common

SLIM 19Φ-SERIES



■ PRODUCT NAME MEANING

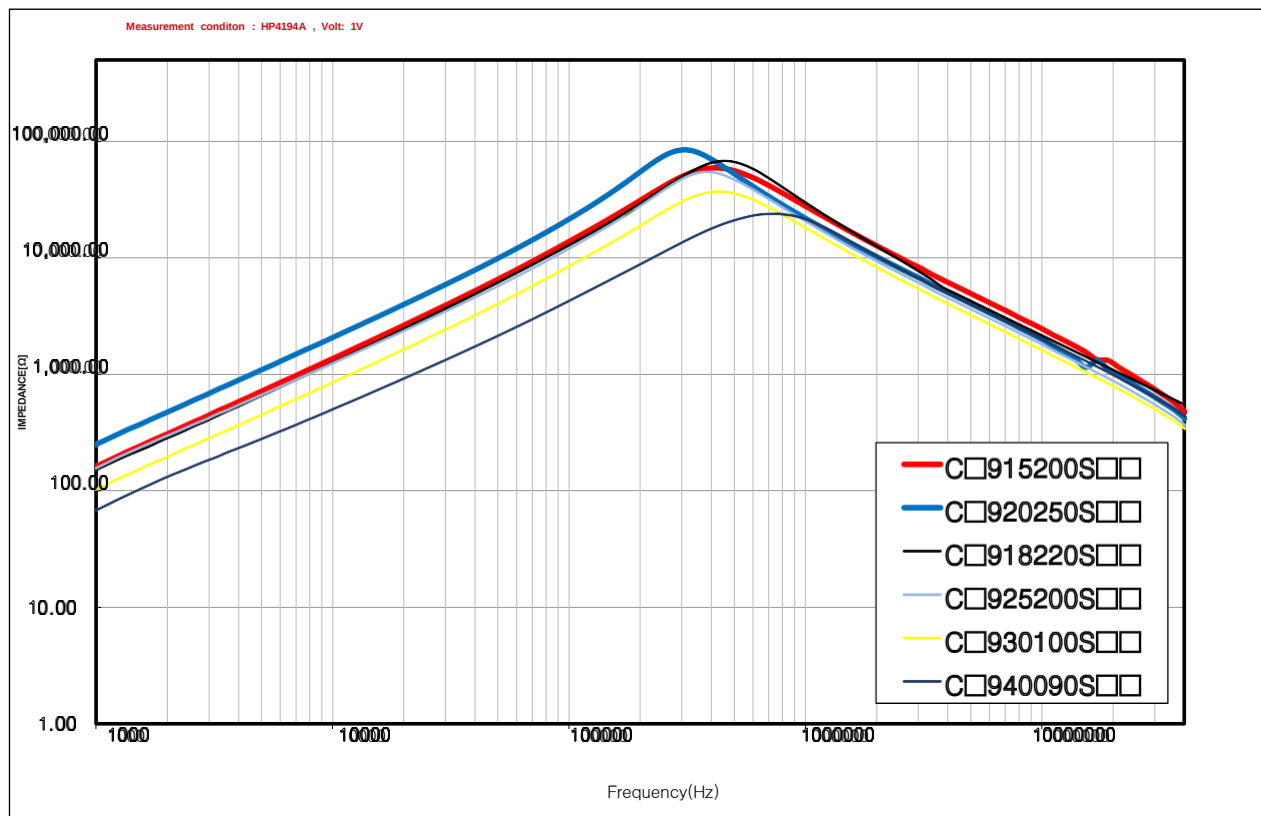


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
C□915200S□□	1.5	20.0	300	300
C□918220S□□	1.8	22.0	235	300
C□920250S□□	2.0	25.0	250	300
C□925200S□□	2.5	20.0	123	300
C□930100S□□	3.0	10.0	80.5	300
C□940090S□□	4.0	9.0	55	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available



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■ SHAPE AND DIMENSION

Fig.1 CS9B- SERIES

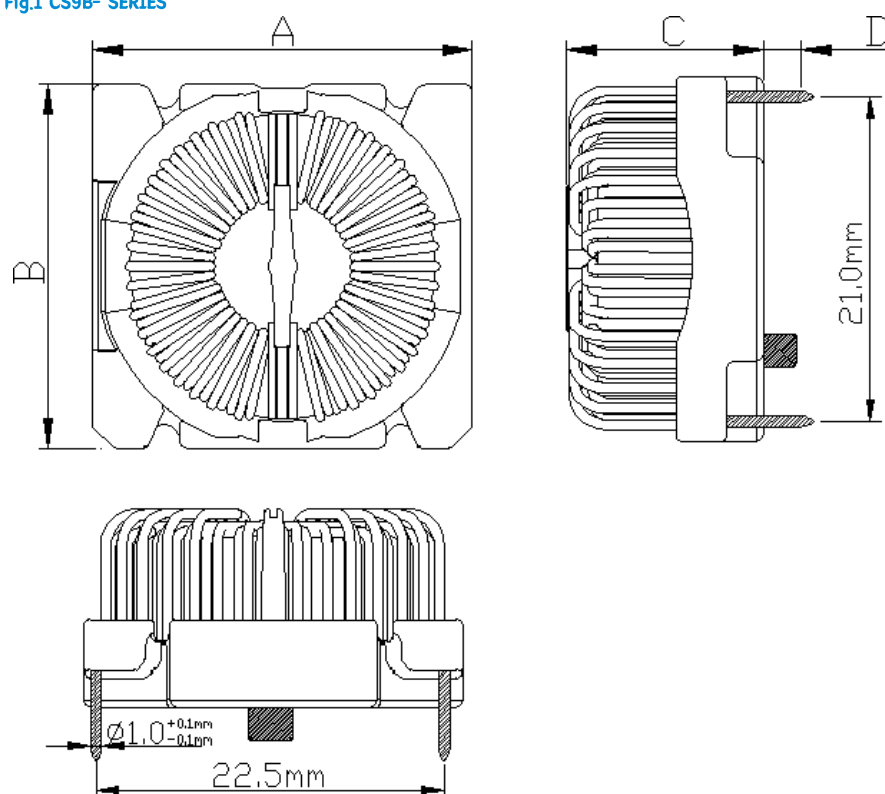
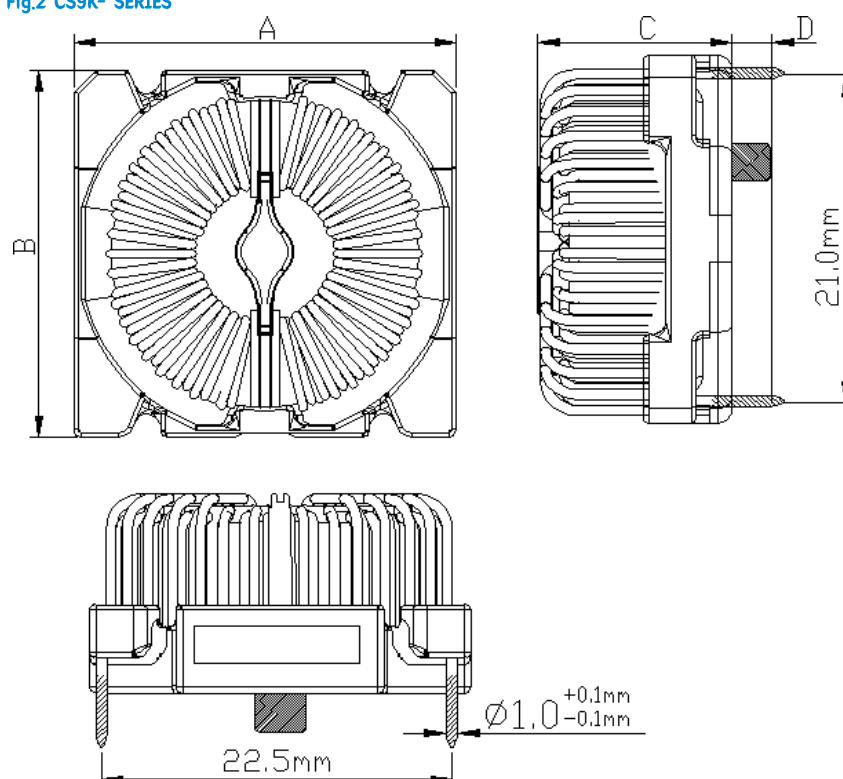


Fig.2 CS9K- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CS9B(FIG.1)	28.0	27.0	15.0	4.0±1.0
CS9K(FIG.2)	28.0	27.0	13.5	4.0±1.0

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■ SHAPE AND DIMENSION

Fig.1 CS2G- SERIES

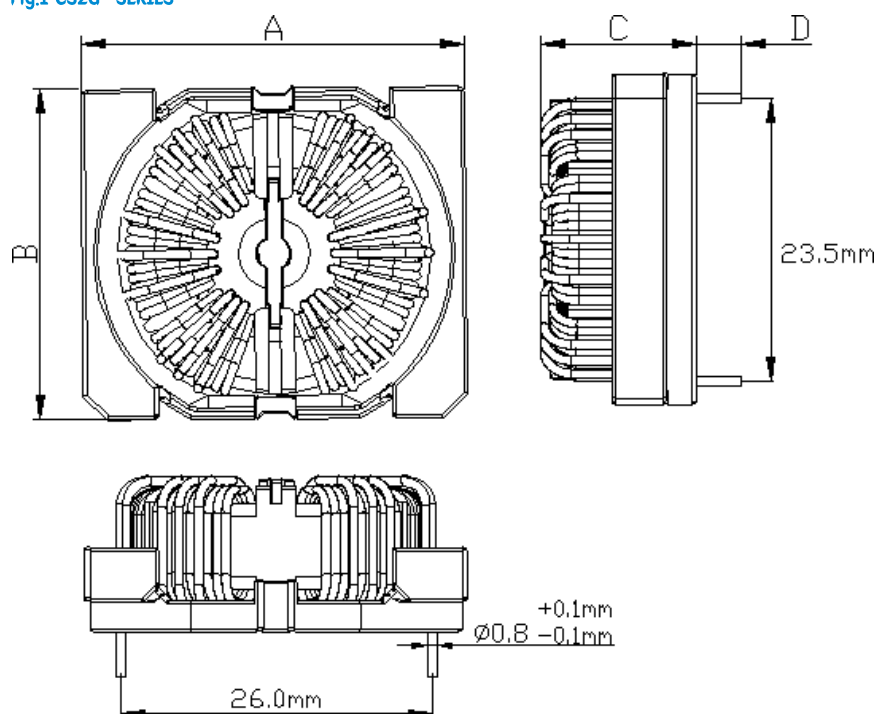
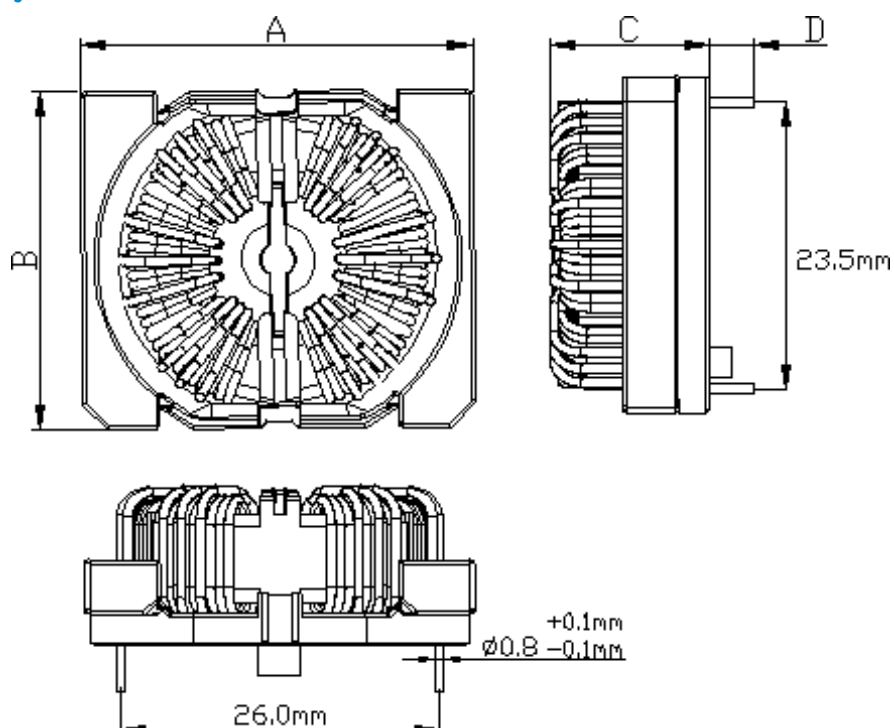


Fig.2 CS2T- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CS2G(FIG.1)	34.0	30.0	14.0	4.0±1.0
CS2T(FIG.2)	34.0	30.0	14.0	4.0±1.0

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SLIM 25Φ-SERIES



CS5□□□□□□□

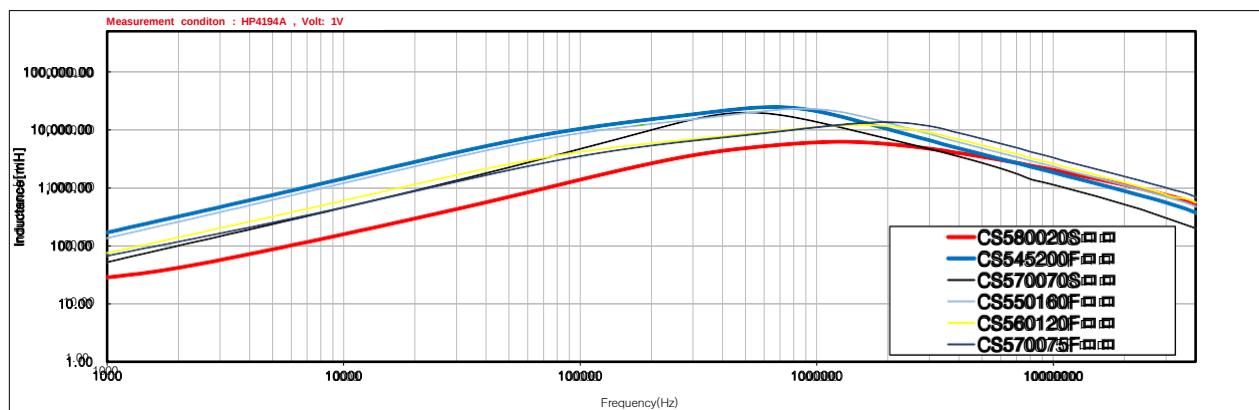
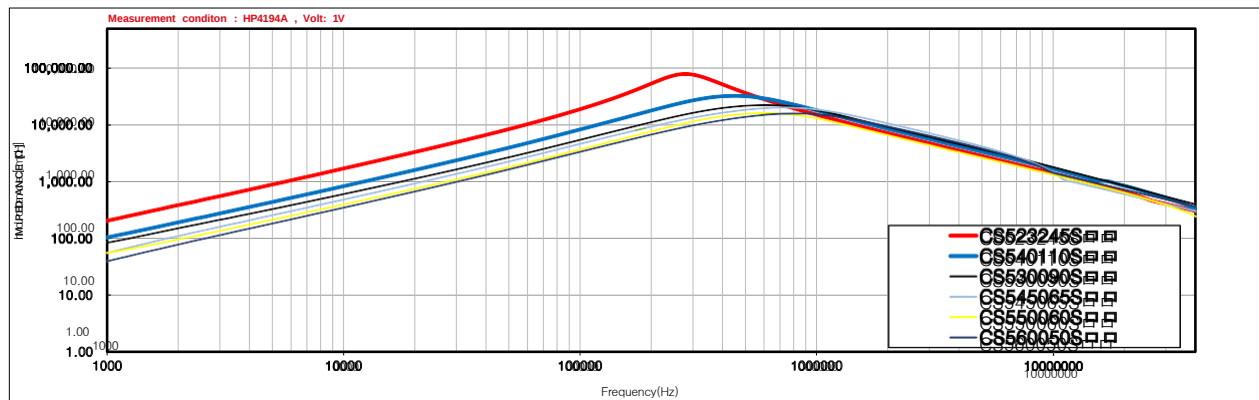
C: Common _____
S: SLIM type _____
Core Size(ex.5 : 25Φ) _____
Rated Current(ex.13 : 1.3A) _____
Inductance(ex.240 : 24.0mH) _____
ui(S : 10000, F : Fine Metal) _____
Base Type _____
Special _____

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
C□523245S□□	2.3	24.5	170	300
C□530090S□□	3.0	9.0	107	300
C□540110S□□	4.0	11.0	85	300
C□545065S□□	4.5	6.5	53	300
C□550060S□□	5.0	6.0	61	300
C□560050S□□	6.0	5.0	44	300
C□580020S□□	8.0	2.0	18	300
C□570070S□□	7.0	7.0	37	300
C□545200F□□	4.5	20.0	55	300
C□550160F□□	5.0	16.0	44	300
C□560120F□□	6.0	12.0	30	300
C□570075F□□	7.0	7.5	25	300
C□580080F□□	8.0	8.0	23	300

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.

Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available



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■ SHAPE AND DIMENSION

Fig.1 CS5Q- SERIES

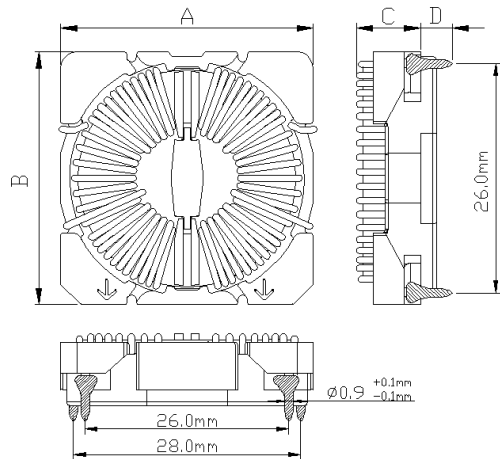


Fig.2 CS5R- SERIES

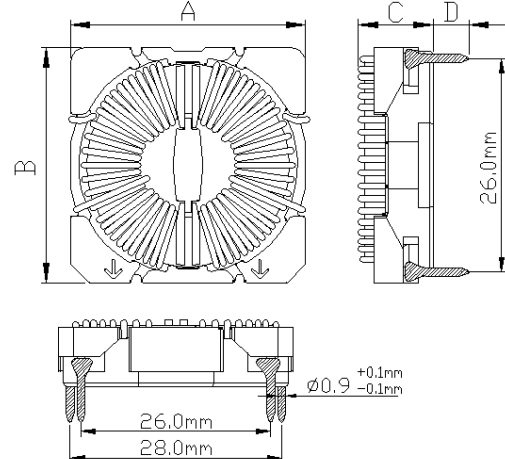


Fig.3 CS5G- SERIES

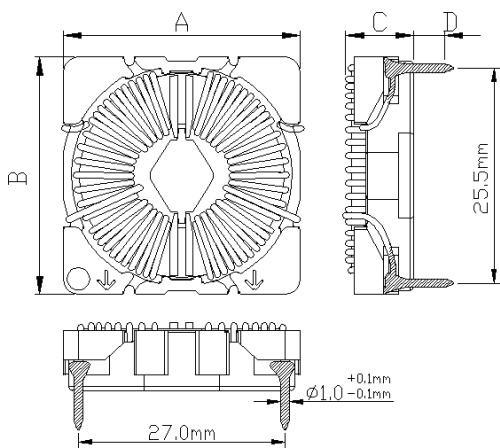


Fig.4 CS5D- SERIES

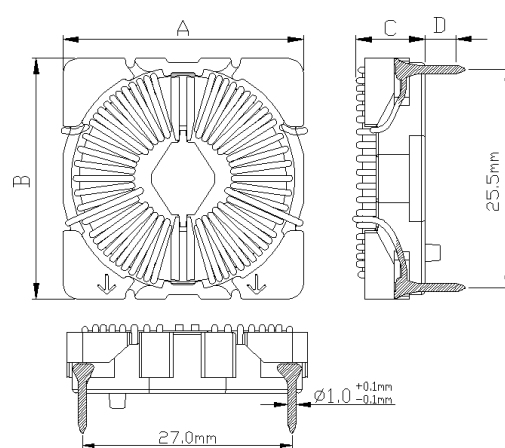


Fig.5 CS5K- SERIES

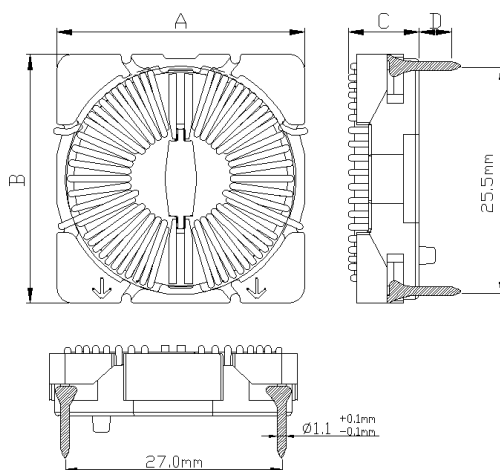
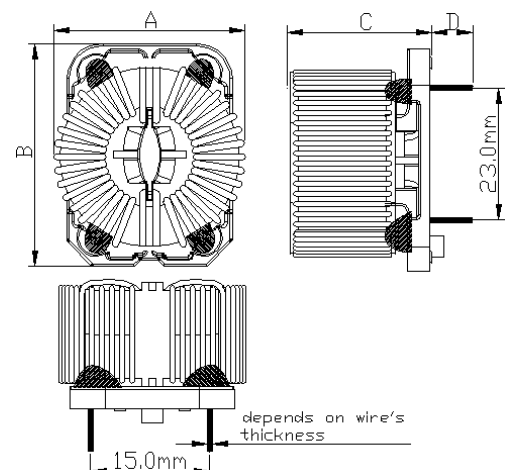


Fig.6 CS5A- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CS5Q(FIG.1)	34.0	33.0	13.0	0.2 ± 0.5
CS5R(FIG.2)	34.0	33.0	13.0	4.0 ± 1.0
CS5G(FIG.3)	34.0	34.0	11.0	4.0 ± 1.0
CS5D(FIG.4)	34.0	34.0	13.0	4.0 ± 1.0
CS5K(FIG.5)	34.0	34.0	13.0	4.0 ± 1.0
CS5A(FIG.6)	33.0	33.0	14.0	4.0 ± 1.0

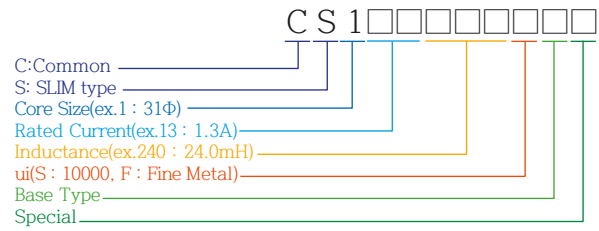
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Common

SLIM 31Φ-SERIES



■ PRODUCT NAME MEANING

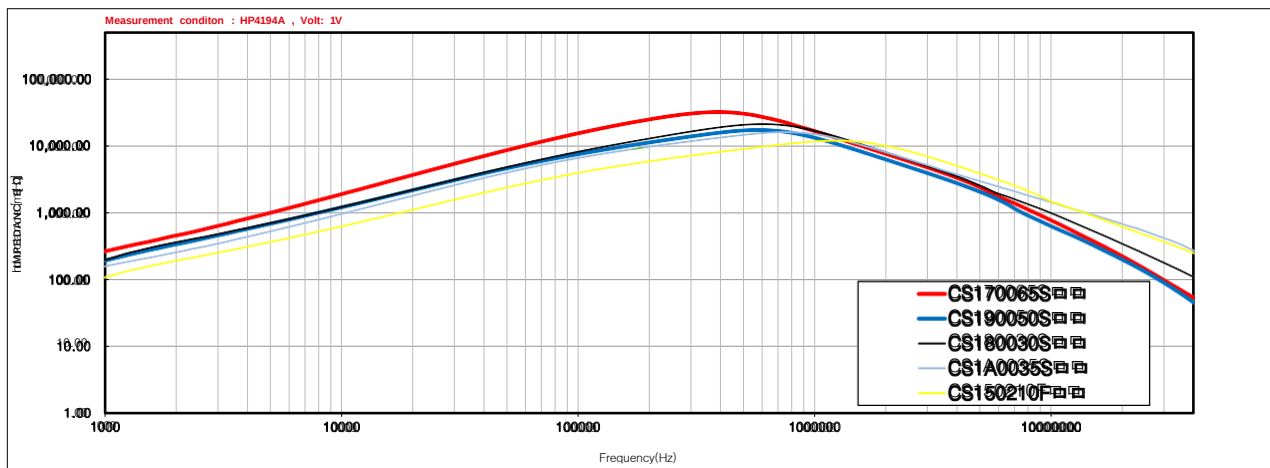
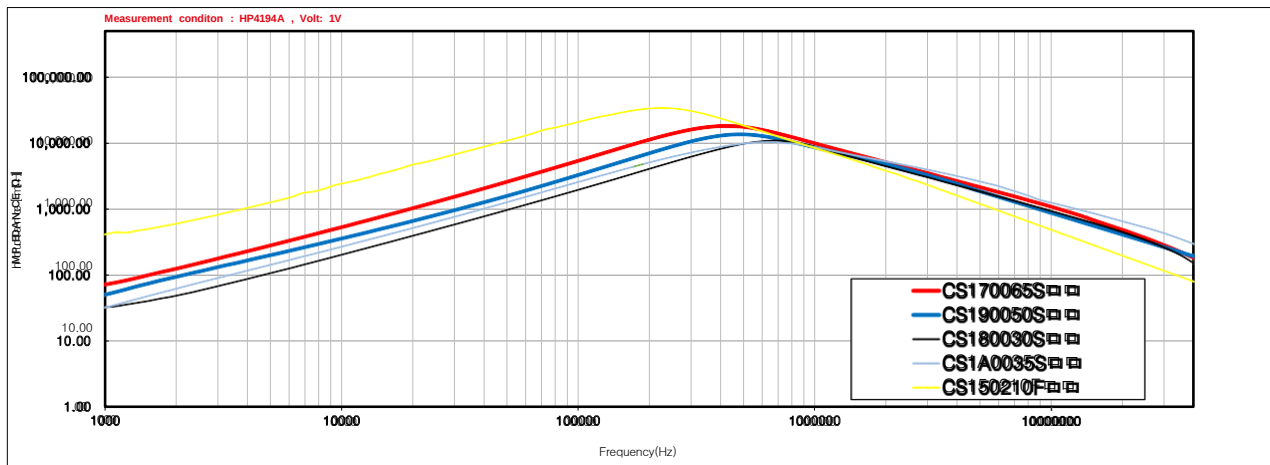


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
C□170065S□□	7.0	6.5	26	300
C□180030S□□	8.0	3.0mH MIN	24	300
C□190050S□□	9.0	5.0	22	300
C□1A0035S□□	10.0	3.5	20	300
C□150210F□□	5.0	21.0	67	300
C□155160F□□	5.5	16.0	58	300
C□170100F□□	7.0	10.0	36	300
C□180080F□□	8.0	8.0	24	300
C□190070F□□	9.0	7.0	21	300
C□1A0050F□□	10.0	5.0	24	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available



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■ SHAPE AND DIMENSION

Fig.1 CS1B- SERIES

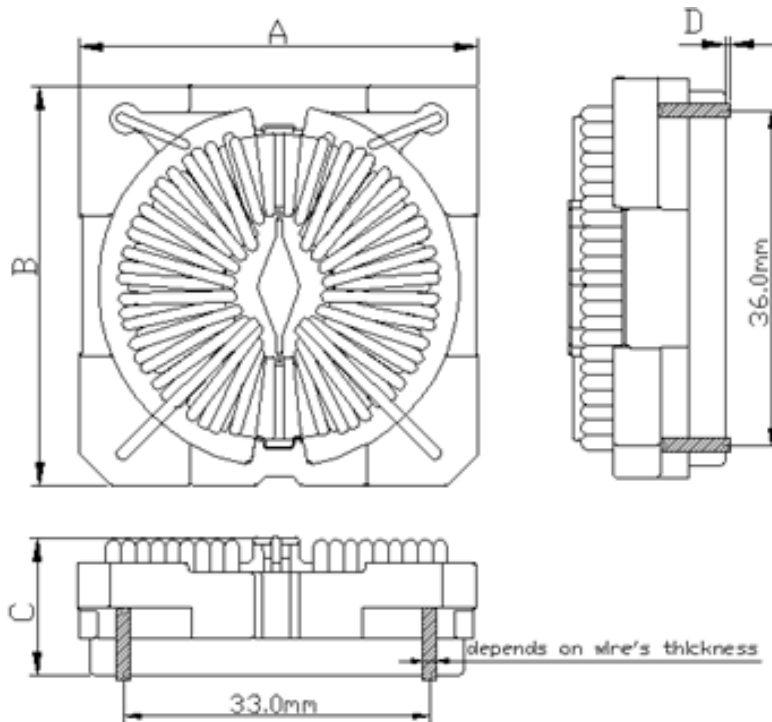
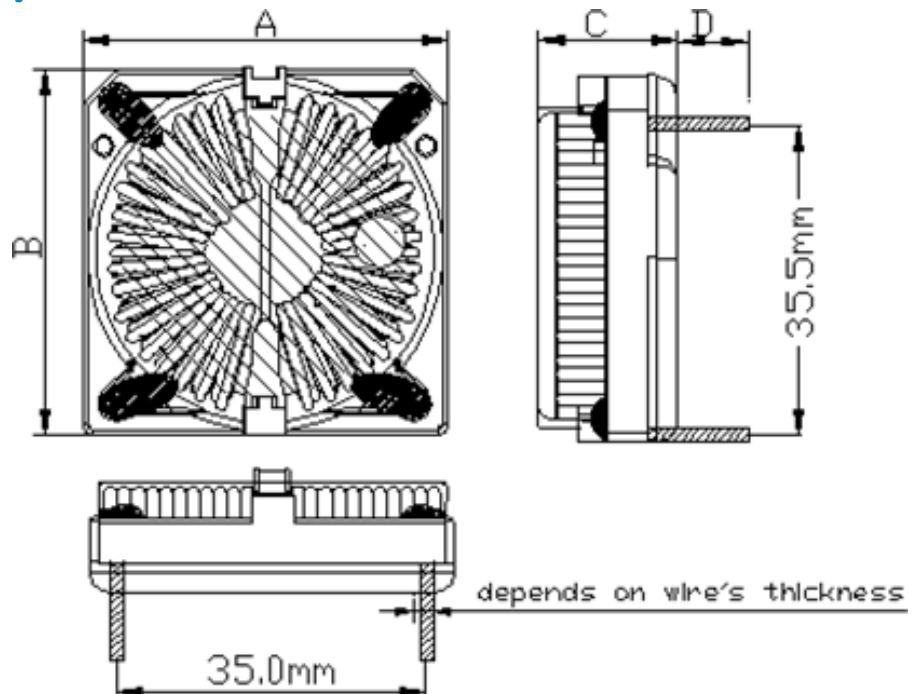


Fig.2 CS1D- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CS1B(FIG.1)	45.0	45.0	20.0	0.0±0.5
CS1D(FIG.2)	45.0	45.0	20.0	4.0±1.0

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Common

Hybrid Coil-SERIES



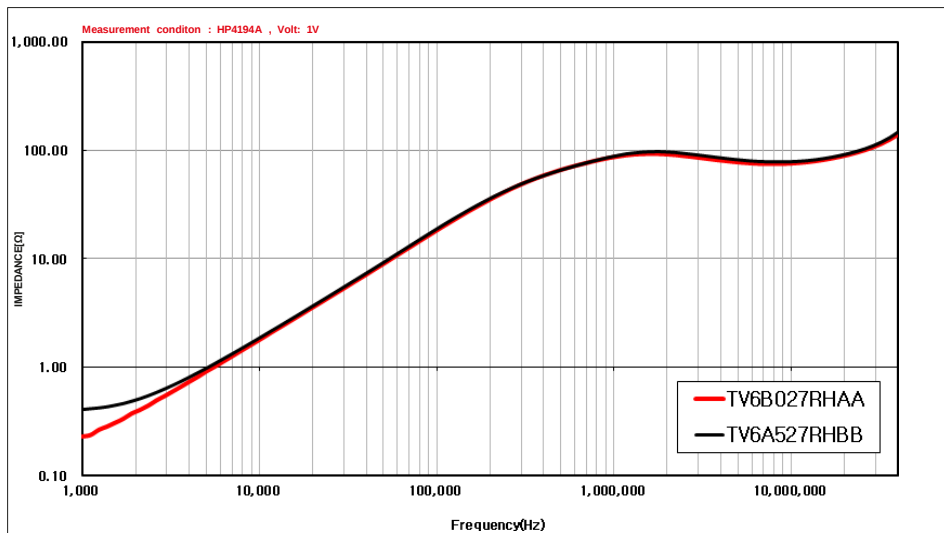
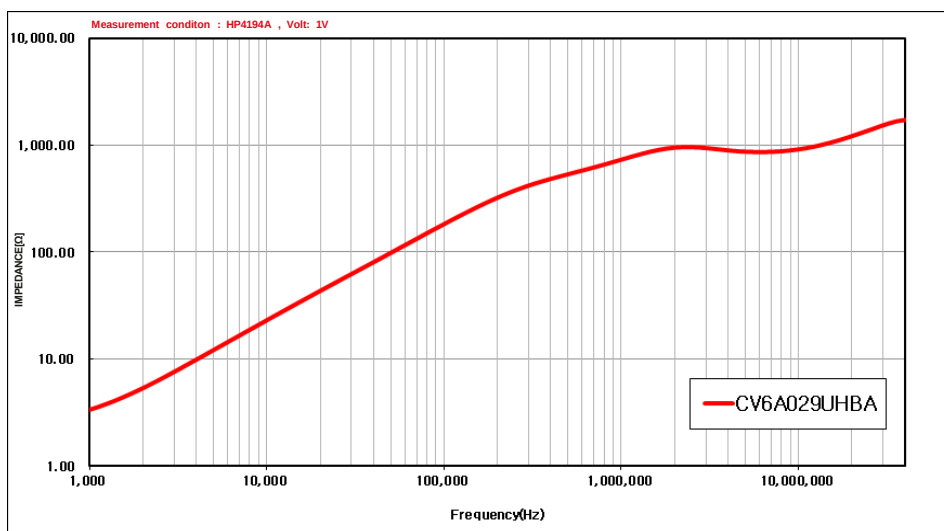
PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)
CV6A029UHBA	6.0	150uH MIN	7.5	300

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)
TV6B027RHAA	20.0	27.0	6.0	300
TV6A527RHBB	15.0	27.0	9.0	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available



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■ SHAPE AND DIMENSION

Fig.1 CV6B- SERIES

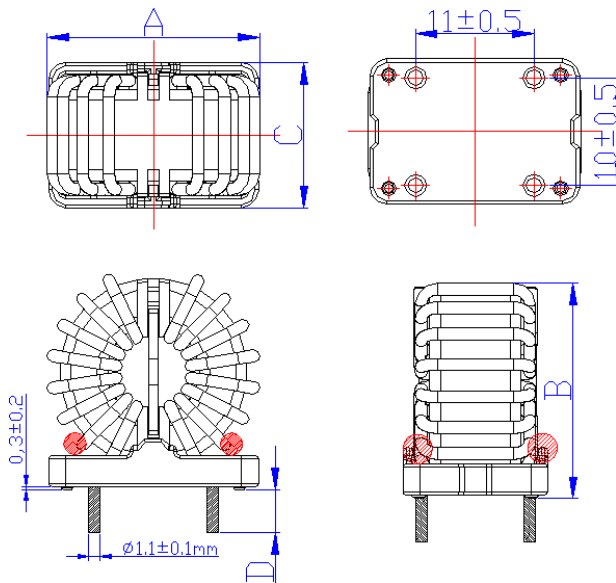


Fig.2 TV6A- SERIES

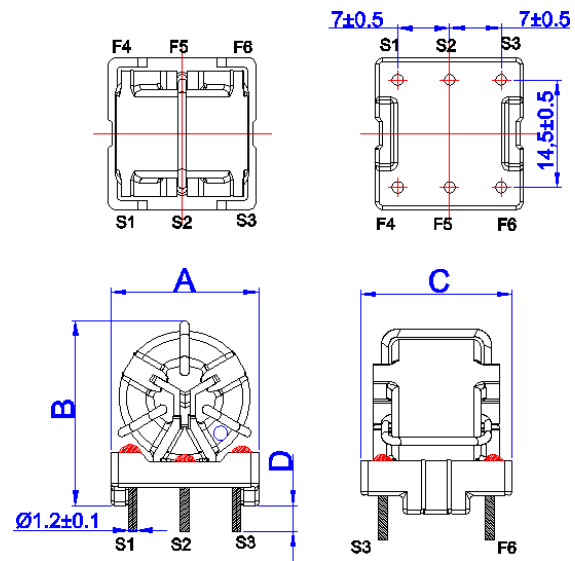
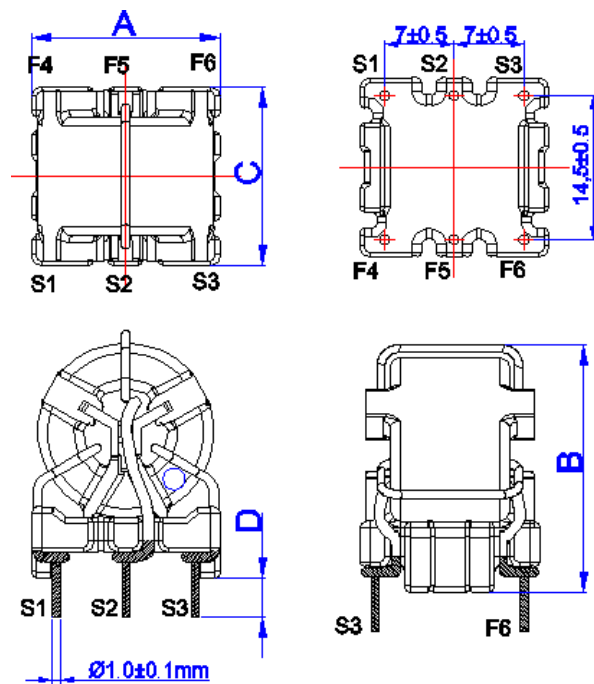


Fig.3 TV6B- SERIES



MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
CV6B(FIG.1)	23.0	23.0	14.0	4.0±1.0
TV6A(FIG.2)	23.0	27.0	21.0	4.0±1.0
TV6B(FIG.3)	23.0	27.0	21.0	4.0±1.0

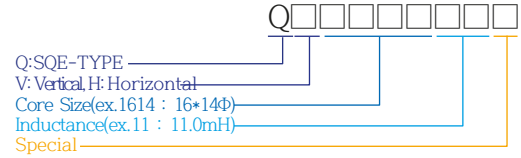
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AUTO FLAT WIRE COIL SERIES

Cover Type Series



PRODUCT NAME MEANING

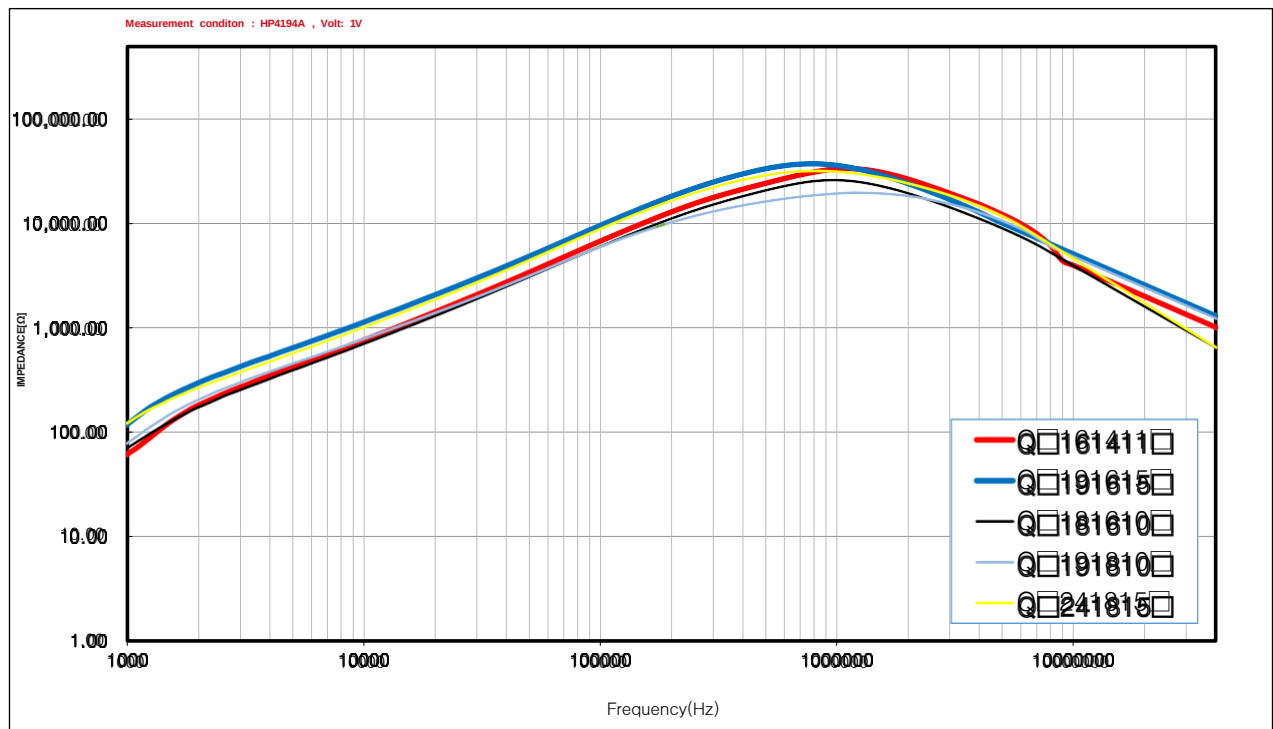


PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
Q □ 161411 □	1.5	(100KHz) 7.7mH MIN	188	300
Q □ 181610 □	2.0	(16KHz) 7.0mH MIN	156	300
Q □ 191615 □	1.5	(16KHz) 10.5mH MIN	260	300
Q □ 191810 □	2.3	(16KHz) 10mH	152	300
Q □ 241815 □	3.0	(16KHz) 15mH	158	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available



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■ SHAPE AND DIMENSION

Fig.1 QV1614- SERIES

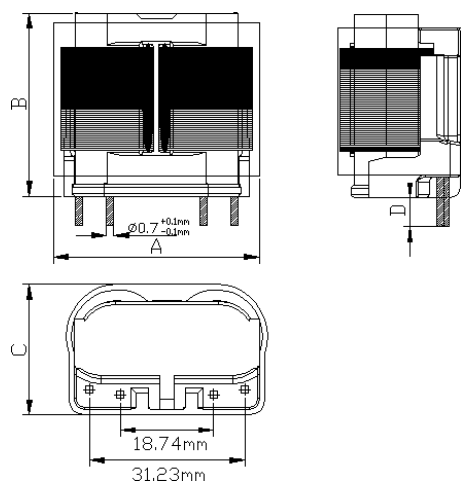


Fig.2 QV1816- SERIES

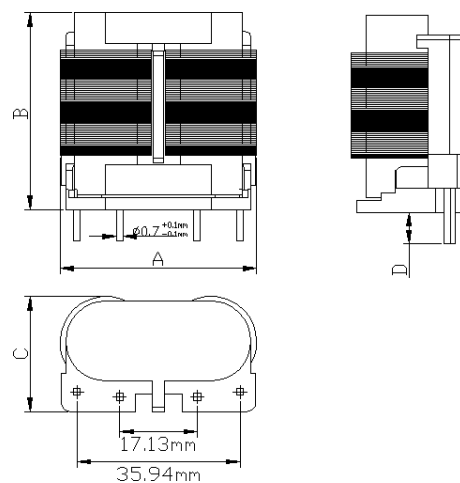


Fig.3 QH1816- SERIES

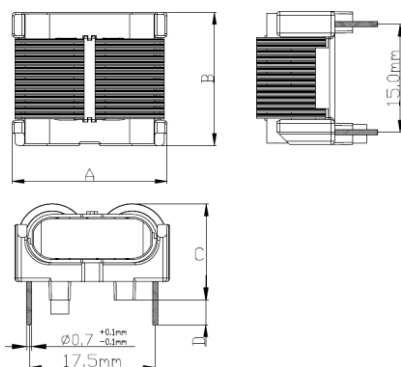


Fig.4 QV1916- SERIES

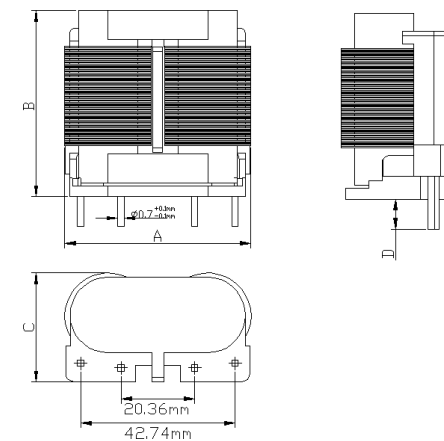
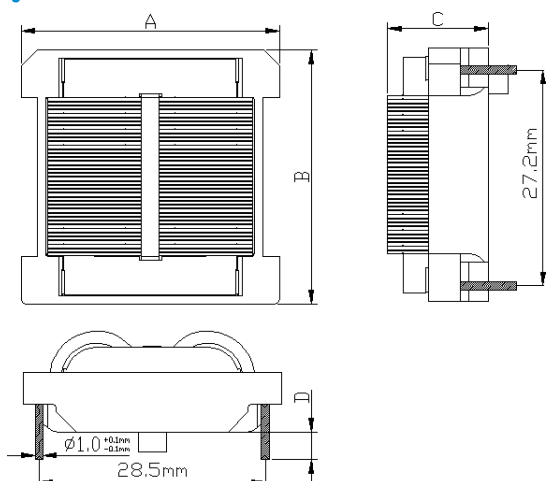


Fig.5 QH2418- SERIES

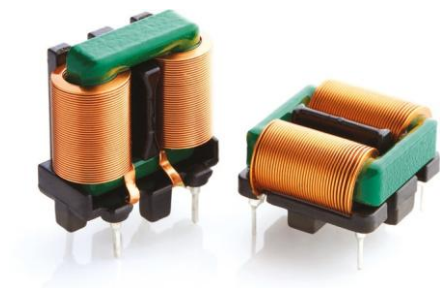


MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
QV1614(FIG.1)	21.0	18.5	14.0	3.0±1.0
QV1816(FIG.2)	25.0	19.5	16.0	4.0±1.0
QH1816(FIG.3)	22.5	19.5	14.5	4.0±1.0
QV1916(FIG.4)	25.0	22.0	16.0	4.0±1.0
QH2418(FIG.5)	30.0	27.0	13.5	4.0±1.0

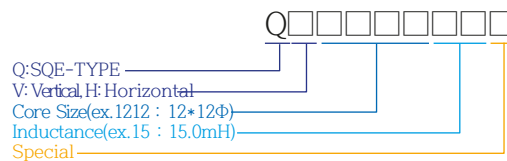
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AUTO FLAT WIRE COIL SERIES

1212(Coating Type)-SERIES



■ PRODUCT NAME MEANING

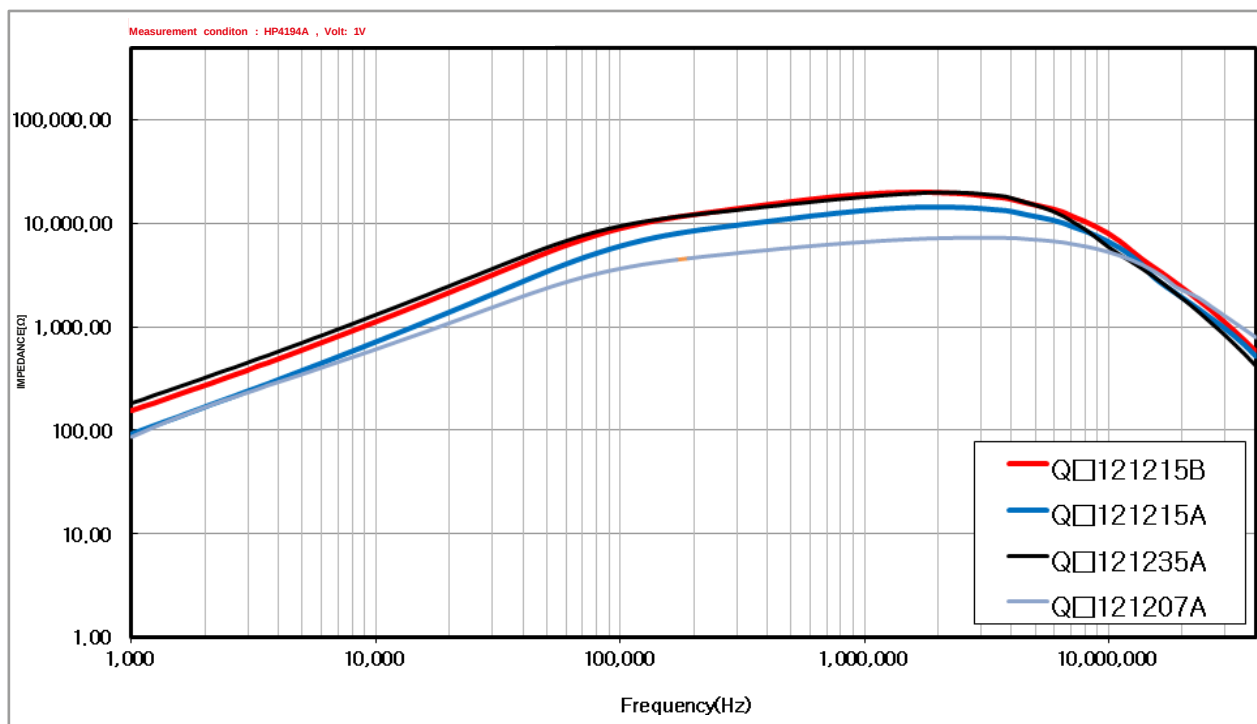


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
Q□121235A	1.0	(1KHz) 25.0mH MIN	300	300
Q□121215B	1.3	(1KHz) 10.0mH MIN	200	300
Q□121215A	1.5	(1KHz) 10.0mH MIN	150	300
Q□121207A	2.0	(1KHz) 5.0mH MIN	100	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available



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■ SHAPE AND DIMENSION

Fig.1 QV1212- SERIES I

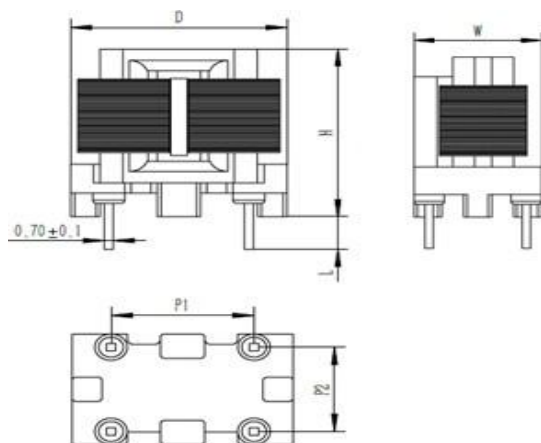


Fig.2 QV1212- Vertical Type II

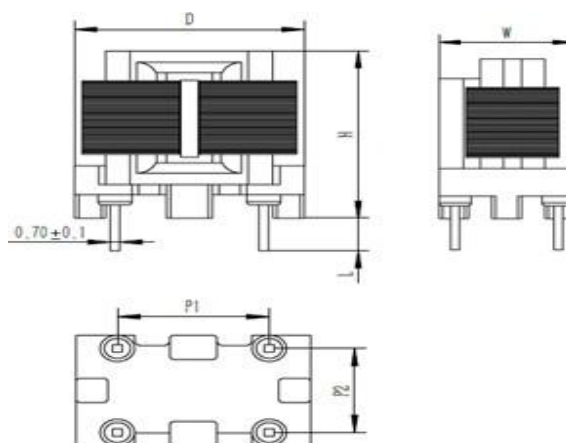
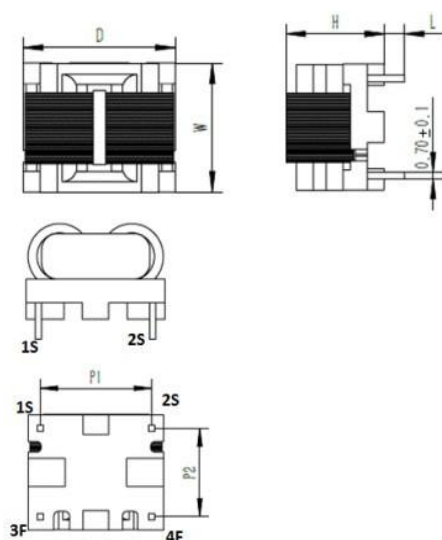


Fig.3 QH1212- SERIES I

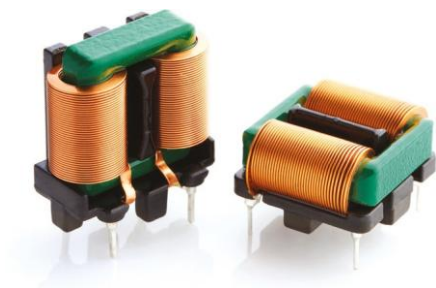


MODEL TYPE	D(mm)	W(mm)	H(mm)	L(mm)	PIN PITCH
QV121235A (FIG.1)	19.0	12.0	17.0	3.5±1.0	8.0 * 7.0
QV121215B (FIG.1)	18.5	11.0	17.0	3.5±1.0	8.0 * 7.0
QV121215A (FIG.2)	18.5	11.0	17.0	3.5±1.0	11.0 * 8.0
QV121207A (FIG.2)	18.5	11.0	17.0	3.5±1.0	11.0 * 8.0
QH121235A (FIG.3)	18.5	14.0	12.0	3.5±1.0	13.0 * 10.0
QH121215B (FIG.3)	18.5	14.0	12.0	3.5±1.0	13.0 * 10.0
QH121215B (FIG.3)	19.0	14.5	13.5	3.5±1.0	13.0 * 10.0
QH121207A (FIG.3)	18.5	14.0	12.0	3.5±1.0	13.0 * 10.0

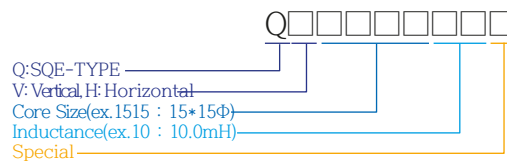
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AUTO FLAT WIRE COIL SERIES

1515(Coating Type)-SERIES



■ PRODUCT NAME MEANING



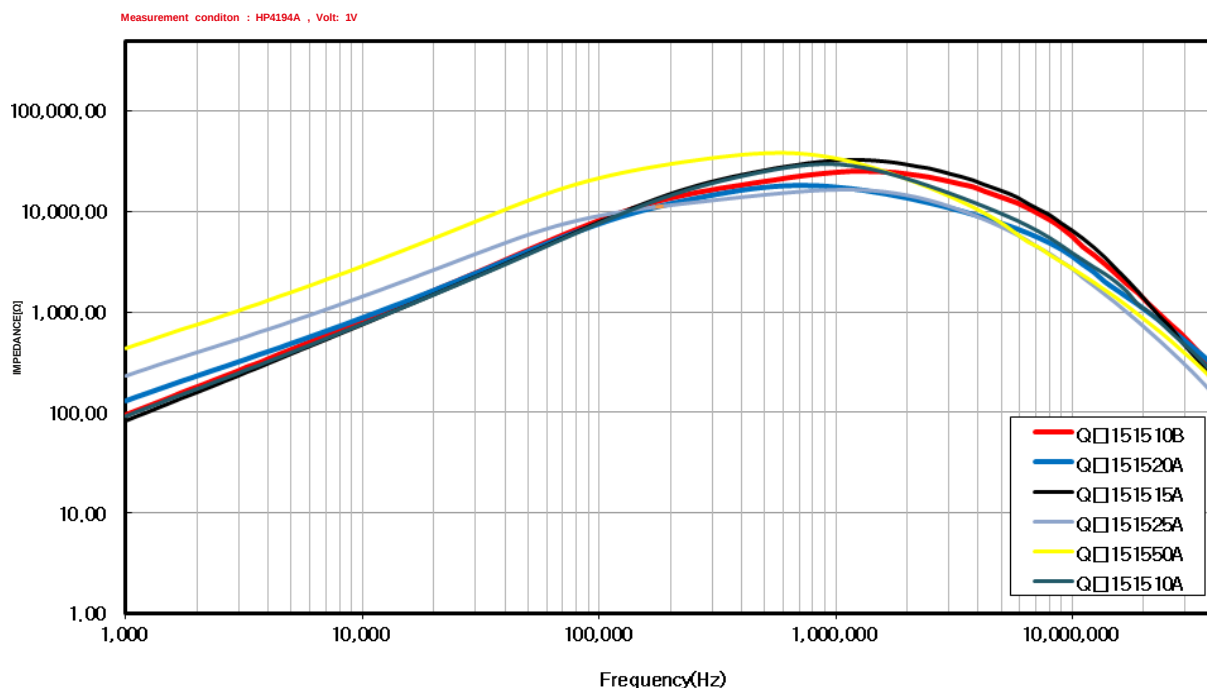
■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
Q □ 151550A	1.0	(1KHz) 35.0mH MIN	380	300
Q □ 151510B	1.5	(1KHz) 10.5mH +50%, -30%	180	300
Q □ 151515A	1.5	(1KHz) 10.0mH MIN	180	300
Q □ 151510A	1.8	(1KHz) 7.0mH MIN	150	300
Q □ 151520A	2.0	(1KHz) 14.0mH MIN	120	300
Q □ 151525A	2.0	(1KHz) 18.0mH MIN	130	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current) is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available



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■ SHAPE AND DIMENSION

Fig.1 QV1515- SERIES I

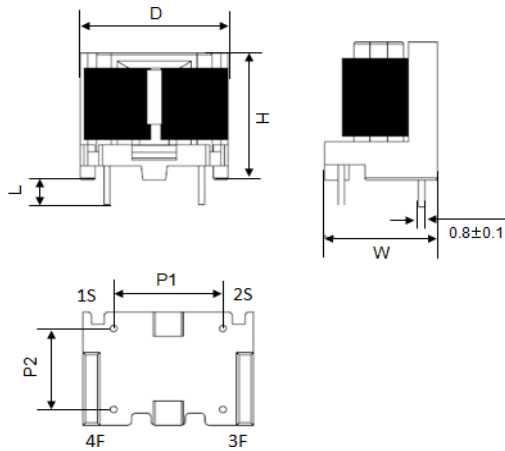


Fig.2 QV1515- Vertical Type II

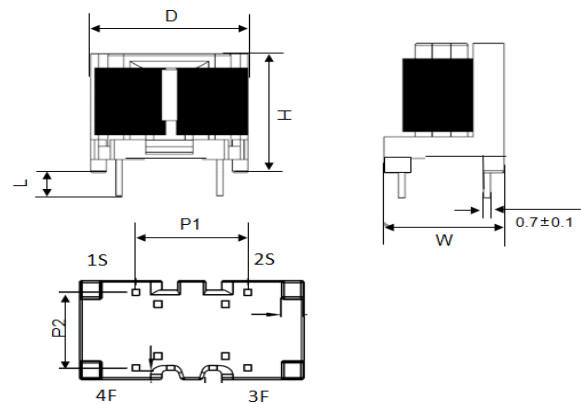
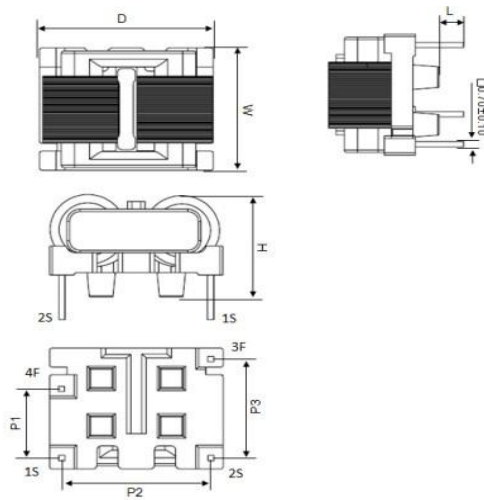


Fig.3 QH1515- SERIES I

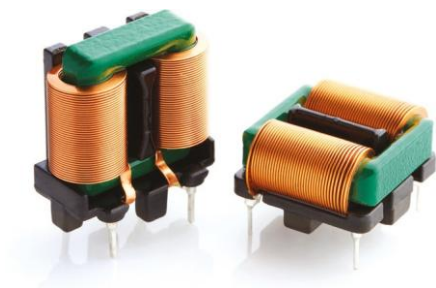


MODEL TYPE	D(mm)	W(mm)	H(mm)	L(mm)	PIN PITCH
QV151550A (FIG.1)	21.0	14.5	20.5	3.5±1.0	12.0 * 10.0
QV151510B (FIG.1)	21.0	14.5	20.5	3.5±1.0	12.0 * 10.0
QV151515A (FIG.1)	21.0	14.5	20.5	3.5±1.0	12.0 * 10.0
QV151510A (FIG.1)	21.0	14.5	20.5	3.5±1.0	12.0 * 10.0
QV151520A (FIG.1)	22.0	14.5	20.0	3.5±1.0	12.0 * 10.0
QV151525A (FIG.2)	21.8	13.8	20.8	3.5±1.0	10.0 * 8.0
QH151510B (FIG.3)	21.0	17.0	14.0	3.5±1.0	9.0 * 17.0 * 12.9
QH151510A (FIG.3)	23.0	17.0	14.0	3.5±1.0	9.0 * 17.0 * 12.9
QH151515A (FIG.3)	21.0	17.0	14.0	3.5±1.0	9.0 * 17.0 * 12.9
QH151543A (FIG.3)	21.0	17.0	14.0	3.5±1.0	9.0 * 17.0 * 12.9
QH151520A (FIG.3)	23.0	17.0	16.0	3.5±1.0	9.0 * 17.0 * 12.9
QH151525A (FIG.3)	23.0	17.0	16.0	3.5±1.0	9.0 * 17.0 * 12.9

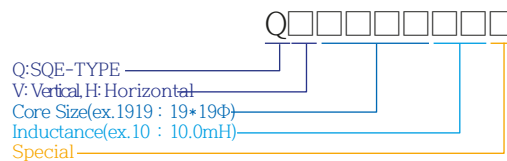
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AUTO FLAT WIRE COIL SERIES

1919(Coating Type)-SERIES



■ PRODUCT NAME MEANING



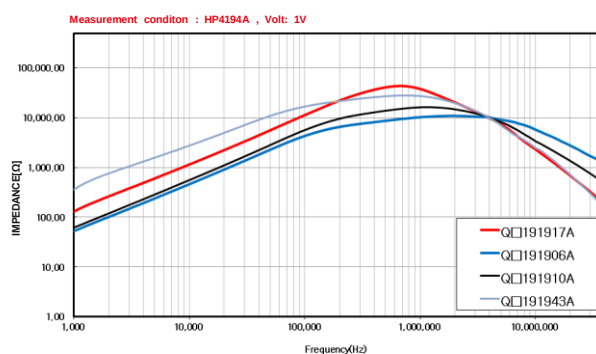
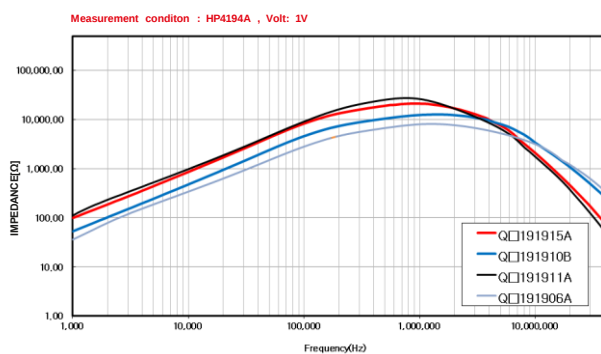
■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
Q □ 191943A	1.3	(1KHz) 30.0mH MIN	300	300
Q □ 191917A	1.5	(100KHz) 17.0mH +50%, -30%	200	300
Q □ 191911A	2.0	(100KHz) 11.0mH +50%, -30%	155	300
Q □ 191915A	3.0	(1KHz) 10.0mH MIN	120	300
Q □ 191906A	3.5	(100KHz) 4.0mH MIN	70	300
Q □ 191910A	3.5	(1KHz) 7.0mH MIN	70	300
Q □ 191910B	4.5	(1KHz) 7.0mH MIN	60	300
Q □ 191905A	5.0	(1KHz) 5.0mH +50%, -30%	50	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current) is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available



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■ SHAPE AND DIMENSION

Fig.1 QV1919- SERIES I

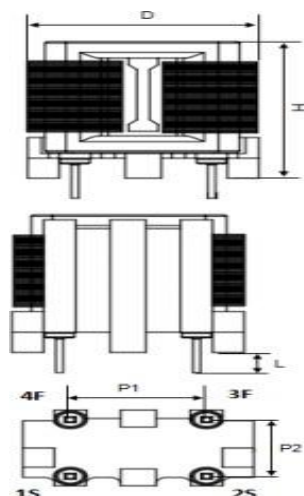


Fig.2 QH1919- SERIES I

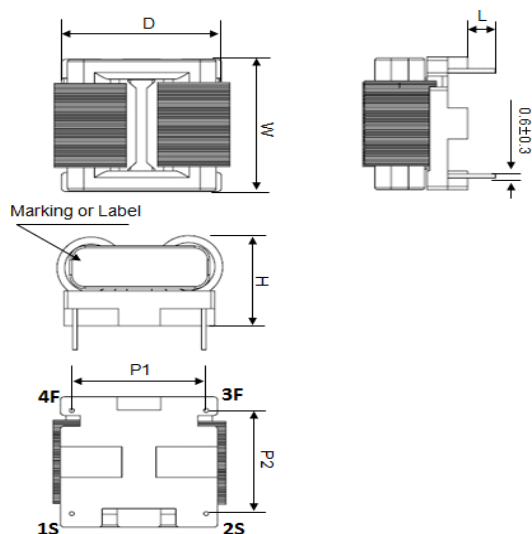
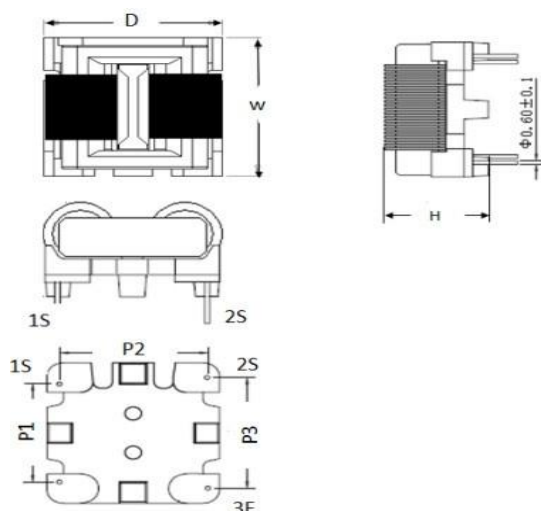


Fig.3 QH1919- Vertical Type II

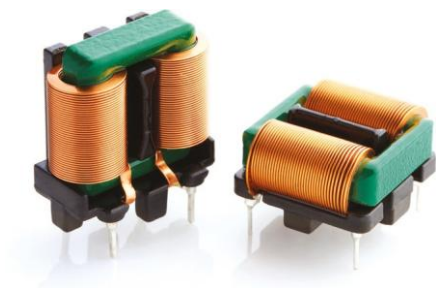


MODEL TYPE	D(mm)	W(mm)	H(mm)	L(mm)	PIN PITCH
QV191917A (FIG.1)	23.5	14.0	25.5	3.5±1.0	13.0 * 10.0
QV191943A (FIG.1)	23.5	14.0	25.5	3.5±1.0	13.0 * 10.0
QV191911A (FIG.1)	23.5	14.0	25.5	3.5±1.0	13.0 * 10.0
QV191915A (FIG.1)	24.0	14.0	25.5	3.5±1.0	13.0 * 10.0
QV191906A (FIG.1)	23.5	14.0	25.5	3.5±1.0	13.0 * 10.0
QV191910A (FIG.1)	24.5	15.0	25.5	3.5±1.0	13.0 * 10.0
QV191910B (FIG.1)	26.0	15.0	26.0	3.5±1.0	13.0 * 10.0
QV191905A (FIG.1)	23.5	14.0	25.5	3.5±1.0	13.0 * 10.0
QH191943A (FIG.2)	22.5	20.5	13.5	3.5±1.0	17.0 * 15.5
QH191917A (FIG.2)	24.0	23.0	13.5	3.5±1.0	17.0 * 15.5
QH191911A (FIG.2)	24.0	23.0	13.5	3.5±1.0	17.0 * 15.5
QH191915A (FIG.2)	24.0	21.0	14.0	3.5±1.0	17.0 * 15.5
QH191906A (FIG.2)	26.0	23.0	16.5	3.5±1.0	17.0 * 15.5
QH191910A (FIG.3)	25.0	22.5	15.0	3.5±1.0	15.0 * 18.0 * 17.0
QH191910B (FIG.2)	24.0	21.0	15.0	3.5±1.0	17.0 * 15.5
QH191905A (FIG.2)	24.0	22.0	15.0	3.5±1.0	17.0 * 15.5

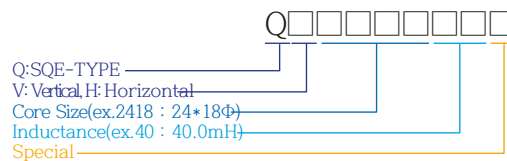
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AUTO FLAT WIRE COIL SERIES

2418(Coating Type)-SERIES



■ PRODUCT NAME MEANING

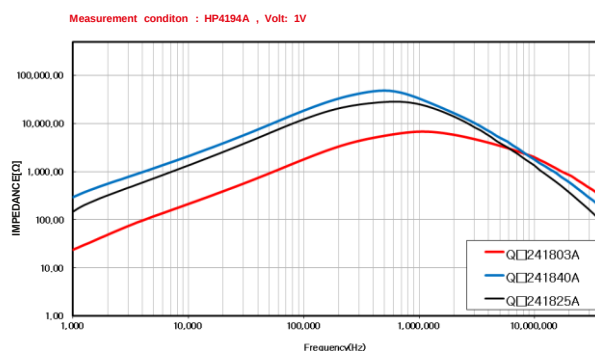
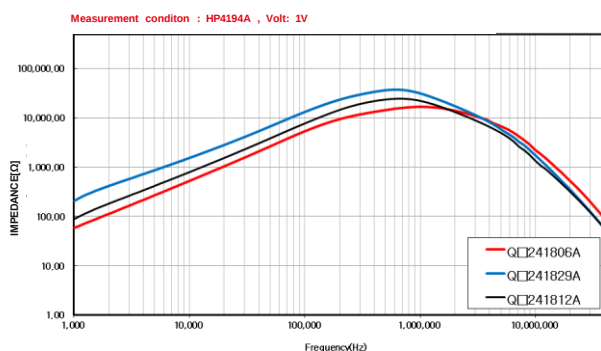


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
Q □ 2 4 18 4 0 A	2.0	(1KHz) 28.0mH MIN	260	300
Q □ 2 4 18 2 9 A	2.5	(1KHz) 29.0mH +50%, -30%	175	300
Q □ 2 4 18 2 5 A	4.0	(1KHz) 17.0mH MIN	110	300
Q □ 2 4 18 1 2 A	4.5	(100KHZ) 8.0MH MIN	85	300
Q □ 2 4 18 0 6 A	6.0	(100KHZ) 6.0MH +50%, -30%	50	300
Q □ 2 4 18 0 3 A	10.0	(1KHz) 2.0mH MIN	25	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available



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SHAPE AND DIMENSION

Fig.1 QV2418- SERIES I

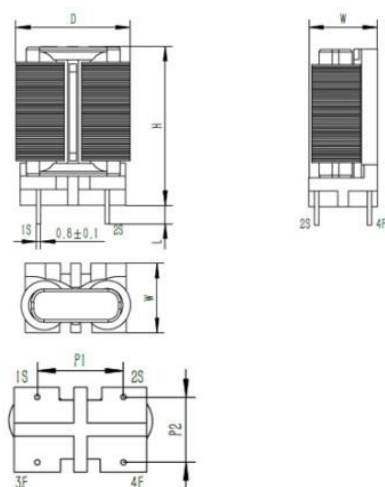


Fig.2 QH2418- SERIES I

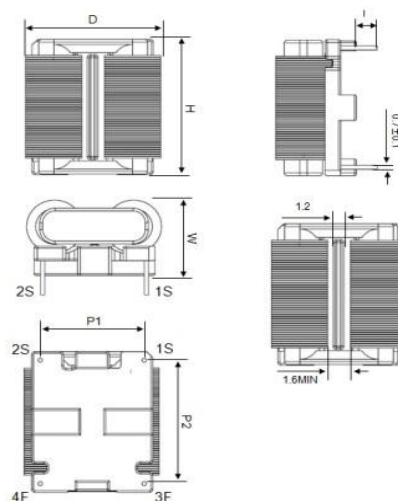
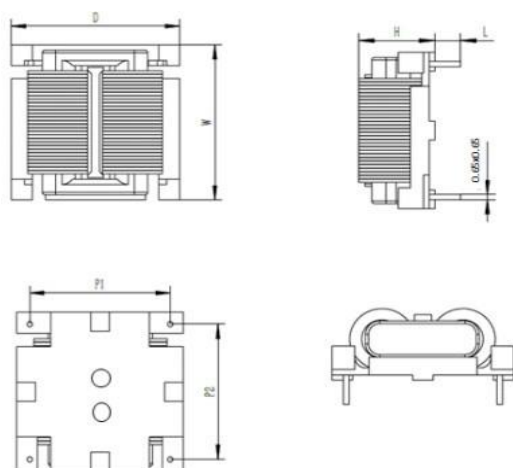


Fig.3 QH2418- Vertical Type II

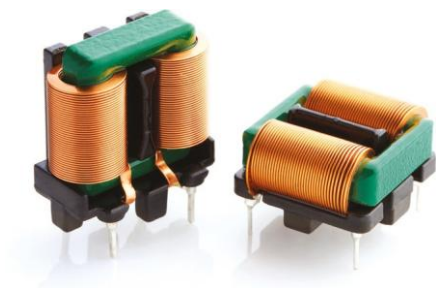


MODEL TYPE	D(mm)	W(mm)	H(mm)	L(mm)	PIN PITCH
QV241840A (FIG.1)	24.0	14.0	32.0	3.5±1.0	13.0 * 10.0
QV241829A (FIG.1)	24.0	14.5	32.0	3.5±1.0	13.0 * 10.0
QV241825A (FIG.1)	24.0	14.5	32.0	3.5±1.0	13.0 * 10.0
QV241812A (FIG.1)	24.0	14.0	32.0	3.5±1.0	13.0 * 10.0
QV241806A (FIG.1)	24.0	14.0	32.0	3.5±1.0	13.0 * 10.0
QV241803A (FIG.1)	24.0	14.5	32.0	3.5±1.0	13.0 * 10.0
QH241840A (FIG.2)	24.0	26.0	15.5	3.5±1.0	17.0 * 21.5
QH241829A (FIG.2)	24.0	26.0	15.0	3.5±1.0	17.0 * 21.5
QH241825A (FIG.2)	26.0	26.0	15.5	3.5±1.0	17.0 * 21.5
QH241818A (FIG.2)	26.0	25.5	14.0	3.5±1.0	17.0 * 21.5
QH241803A (FIG.3)	24.0	28.0	15.0	3.5±1.0	20.0 * 22.5

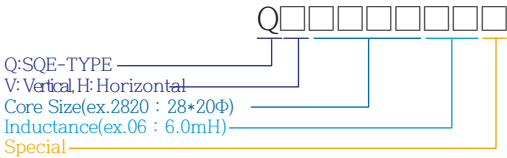
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AUTO FLAT WIRE COIL SERIES

2820(Coating Type)-SERIES



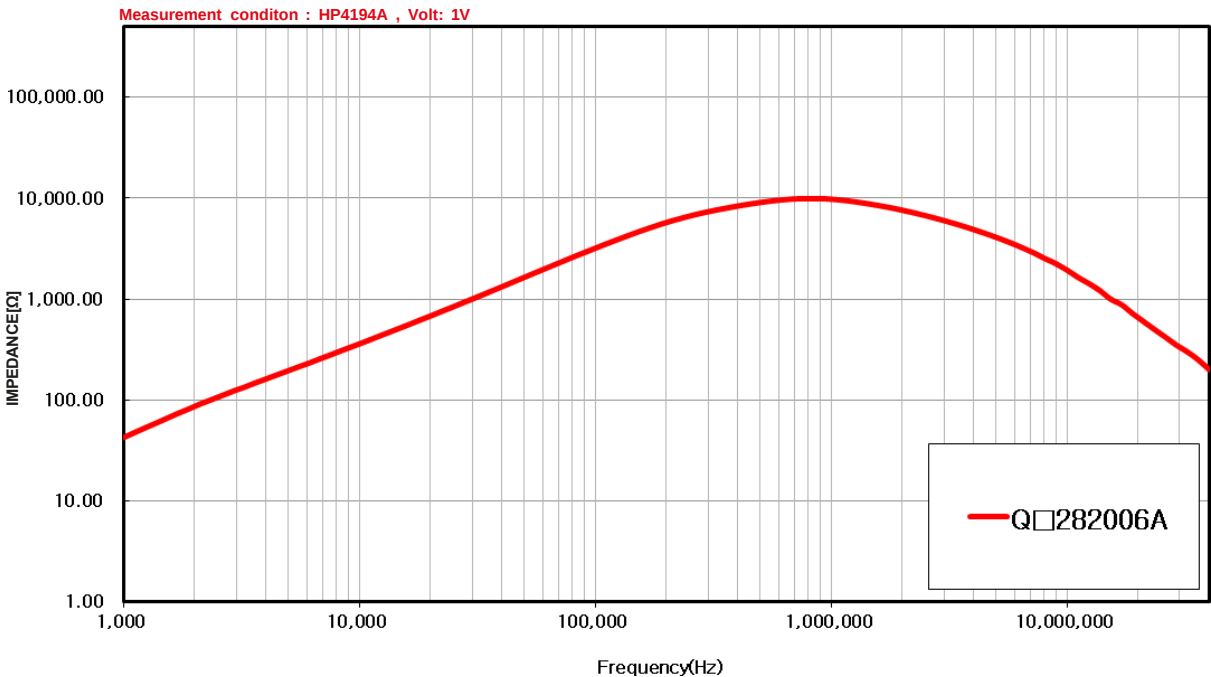
■ PRODUCT NAME MEANING



■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
Q □ 2 8 2 0 0 6 A	11.0	(1KHz) 6.0mH +50%, -30%	25	300

- Notice
- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
 - Winding Temperature Rise(at Rated Current)is under 55°C
 - Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
 - UL94V-0 certified resin used
 - Pb-free solder used
 - RoHS free
 - Custom made Products are also available
 - Halogen free available



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■ SHAPE AND DIMENSION

Fig.1 QV2820- SERIES I

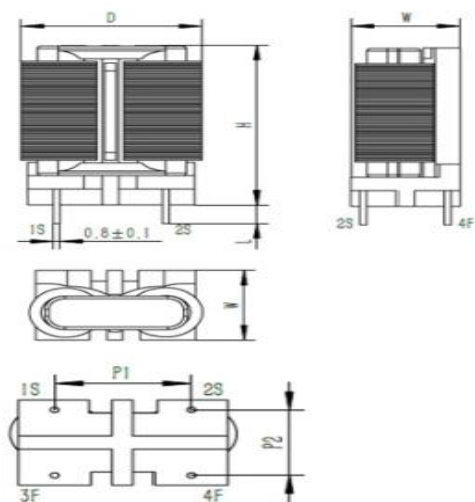
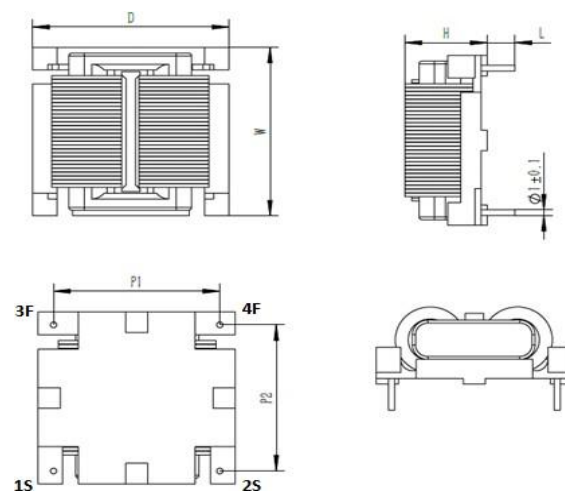


Fig.2 QH2820- SERIES I

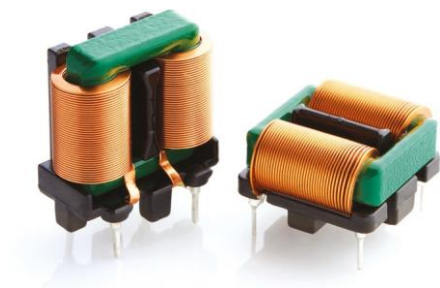


MODEL TYPE	D(mm MAX)	W(mm MAX)	H(mm MAX)	L(mm)	PIN PITCH
QV282006A (FIG.1)	27.0	17.0	36.5	3.5±1.0	13.0 * 10.0
QH282006A (FIG.2)	32.5	30.5	15.0	3.5±1.0	27.0 * 25.5

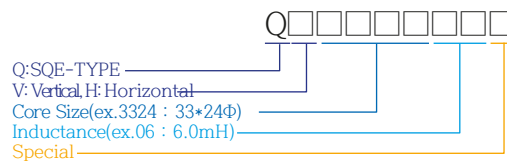
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AUTO FLAT WIRE COIL SERIES

3324(Coating Type)-SERIES



PRODUCT NAME MEANING

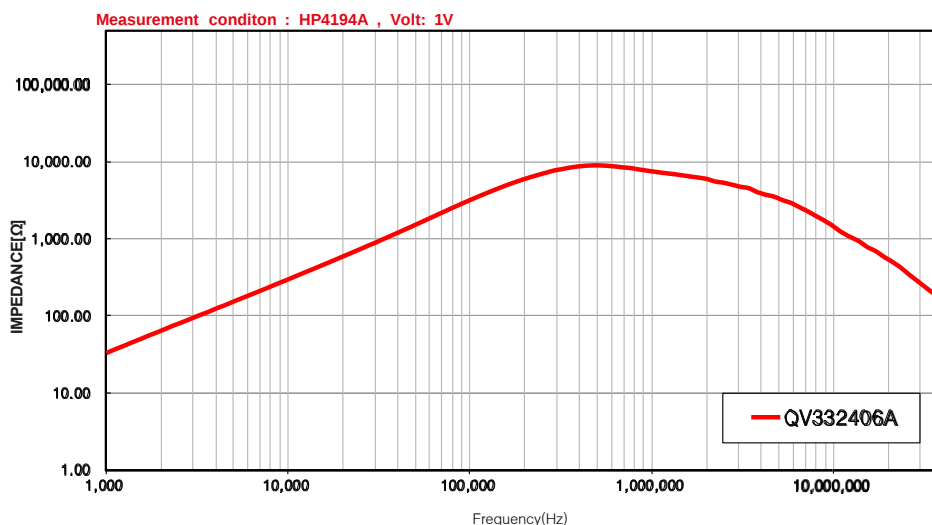


PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
Q ☐ 3 3 2 4 0 6 A	15.0	(1KHz) 4.0mH MIN	15	300

Notice

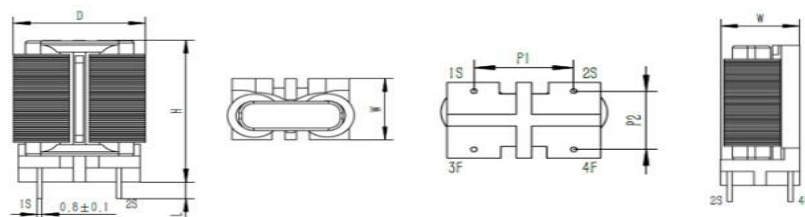
- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 120°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available



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SHAPE AND DIMENSION

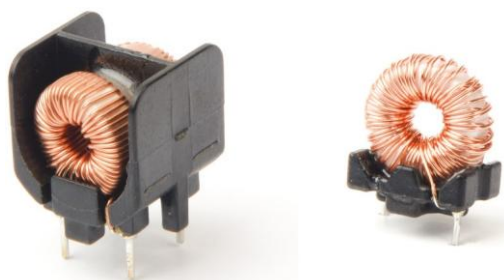
Fig.1 QV3324- SERIES I



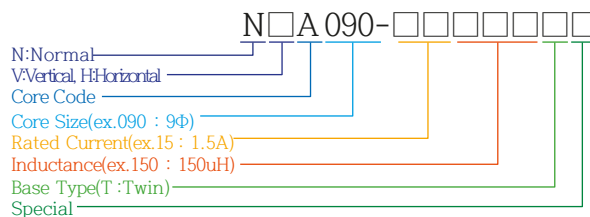
MODEL TYPE	D(mm MAX)	W(mm MAX)	H(mm MAX)	L(mm)	PIN PITCH
QV332406A (FIG.1)	33.0	20.0	43.0	3.5±1.0	18.0 * 12.0

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Normal 9Φ-SERIES



■ PRODUCT NAME MEANING



■ FEATURES

090-SERIES Line Filter series is compact in size. And Low Leakage of flux and vibration noise of gap-less structure.

■ APPLICATIONS

For smoothing switching power supplies / For normal mode line filter / For measuring instrument / For noise prevention of SMPS,TV,etc

■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)
N□□090-10260□□	1.0	260.0	522	300
N□□090-18085□□	1.8	85.0	181	300
N□□090-20080□□	2.0	80.0	120	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available

■ SHAPE AND DIMENSION

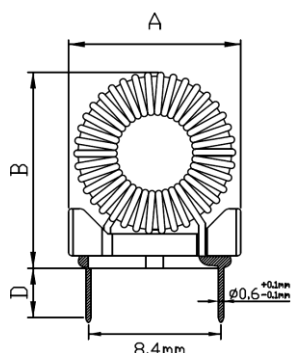


Fig.1 NVA090C- SERIES

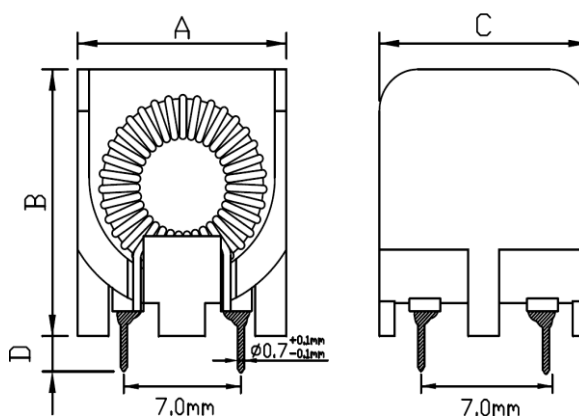


Fig.2 NVA090T- SERIES

MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
NVA090C(FIG.1)	13.0	15.0	8.0	4.0±1.0
NVA090T(FIG.2)	15.0	17.0	15.0	4.0±1.0

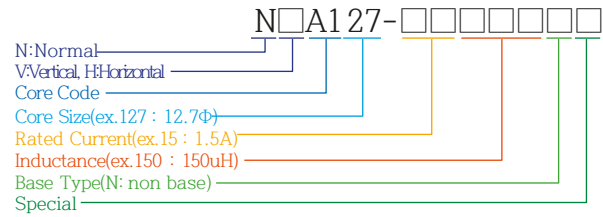
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Normal

12.7Φ-SERIES



■ PRODUCT NAME MEANING



■ FEATURES

127-SERIES Line Filter series is compact in size. And Low Leakage of flux and vibration noise of gap-less structure.

■ APPLICATIONS

For smoothing switching power supplies / For normal mode line filter / For measuring instrument / For noise prevention of SMPS,TV,etc

■ PART NUMBER AND SPECIFICATIONS

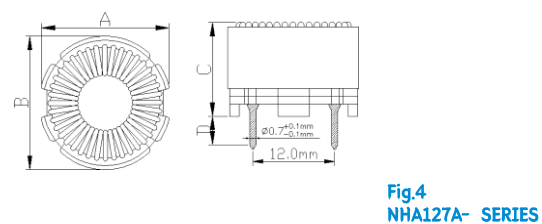
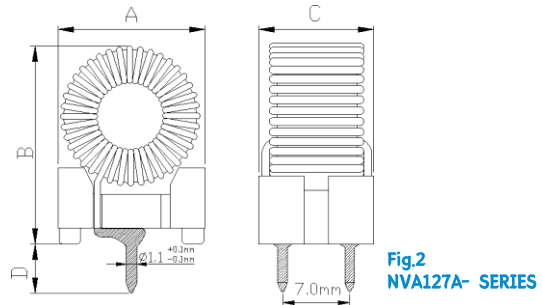
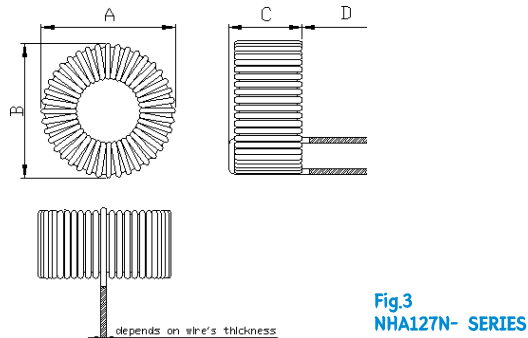
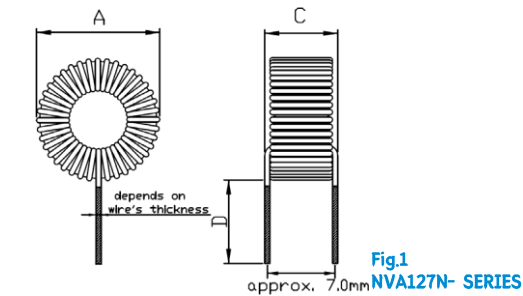
PartNo.	Ratedcurrent(A)	Inductance(uH)	DCR(mΩ)	RatedVoltage(V)
N□□127-15200□□	1.5	200.0	290	300
N□□127-15330□□	1.5	330.0	301	300
N□□127-20220□□	2.0	220.0	152	300

PartNo.	Ratedcurrent(A)	Inductance(uH)	DCR(mΩ)	RatedVoltage(V)
N□□127-40082□□	4.0	82.0	46	300
N□□127-45065□□	4.5	65.0	87	300
N□□127-10004□□	40.0	4.0	1.2	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics. Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available

■ SHAPE AND DIMENSION

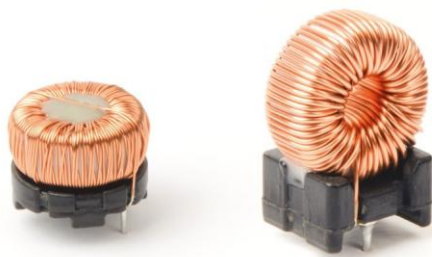


MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
NVA127N(FIG.1)	16.0	16.0	10.0	8.0±2.0
NVA127A(FIG.2)	18.0	22.0	14.0	4.0±1.0

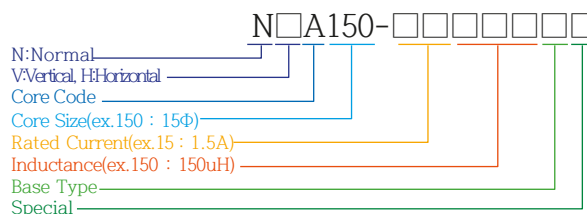
MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
NHA127N(FIG.3)	15.5	15.5	10.0	8.0±2.0
NHA127A(FIG.4)	16.0	16.0	10.0	4.0±1.0

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Normal 150-SERIES



PRODUCT NAME MEANING



FEATURES

150-SERIES Line Filter series is compact in size. And Low Leakage of flux and vibration noise of gap-less structure.

APPLICATIONS

For smoothing switching power supplies / For normal mode line filter / For measuring instrument / For noise prevention of SMPS,TV,etc

PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)
N□□150-10A00□□	1.0	1000.0	1152	300
N□□150-30300□□	3.0	300.0	196	300
N□□150-35200□□	3.5	200.0	109	300
N□□150-38150□□	3.8	150.0	80	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available

SHAPE AND DIMENSION

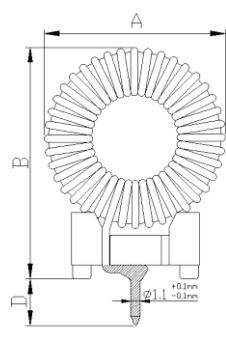


Fig.1 NVA150R- SERIES

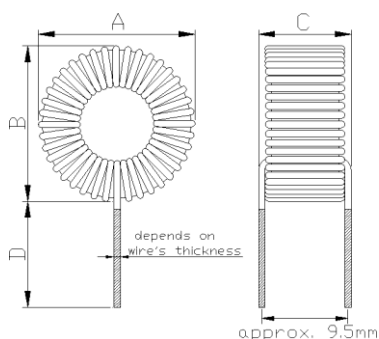


Fig.2 NVA150N- SERIES

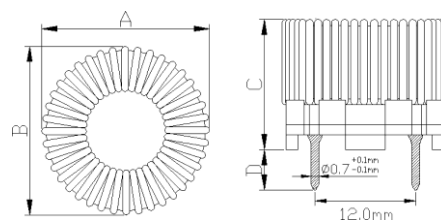


Fig.3 NHA150A- SERIES

MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
NVA150R(FIG.1)	20.0	25.0	14.0	4.0±1.0
NVA150N(FIG.2)	19.0	19.0	12.0	8.0±2.0
NHA150A(FIG.3)	18.5	18.5	15.5	4.0±1.0

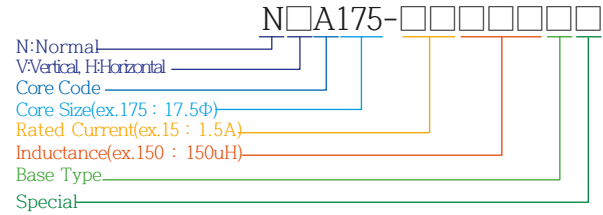
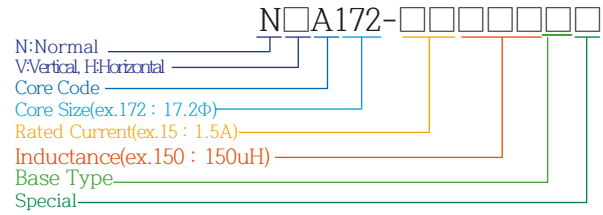
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Normal

17Φ-SERIES



PRODUCT NAME MEANING



FEATURES

172/175-SERIES Line Filter series is compact in size. And Low Leakage of flux and vibration noise of gap-less structure.

APPLICATIONS

For smoothing switching power supplies / For normal mode line filter / For measuring instrument / For noise prevention of SMPS,TV,etc

PART NUMBER AND SPECIFICATIONS

PartNo.	Ratedcurrent(A)	Inductance(uH)	DCR(mΩ)	RatedVoltage(V)
N□□172-80033□□	8.0	33.0	24	300
N□□172-90045□□	9.0	45.0	20	300
N□□172-30670□□	3.0	670.0	122	300

PartNo.	Ratedcurrent(A)	Inductance(uH)	DCR(mΩ)	RatedVoltage(V)
N□□175-25400□□	2.5	400.0	218	300
N□□175-30200□□	3.0	200.0	140	300
N□□175-70045□□	7.0	45.0	32	300
N□□175-50045□□	5.0	45.0	38	300
N□□175-55140□□	5.5	140.0	53	300
N□□175-65080□□	6.5	80.0	57	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
 - Winding Temperature Rise(at Rated Current)is under 55°C
 - Rising temperature is affected by PCB condition and an amount of harmonics.
- Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available

SHAPE AND DIMENSION

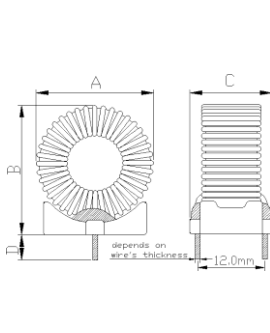


Fig.1 NVS172A- SERIES

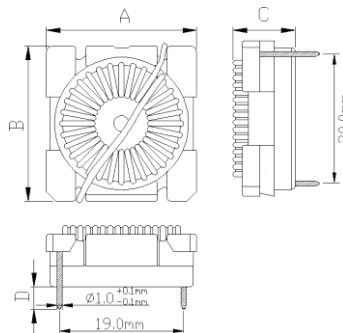


Fig.2 NHS172E- SERIES

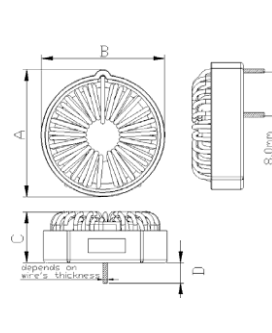


Fig.3 NHS172A- SERIES

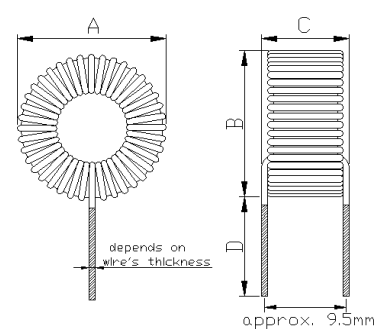


Fig.4 NVA175N- SERIES

MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
NVS172A(FIG.1)	22.0	23.0	18.0	4.0±1.0
NHS172E(FIG.2)	25.0	25.0	12.0	4.0±1.0

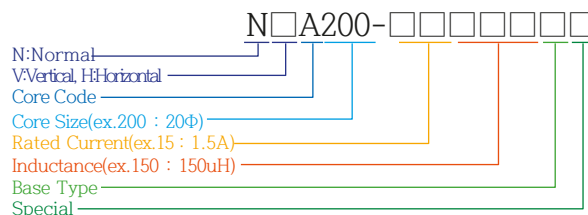
MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
NHS172A(FIG.3)	23.5	23.5	12.0	4.0±1.0
NVA175N(FIG.4)	28.0	28.0	17.0	15.0±5.0

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Normal 200-SERIES



PRODUCT NAME MEANING



FEATURES

200-SERIES Line Filter series is compact in size. And Low Leakage of flux and vibration noise of gap-less structure.

APPLICATIONS

For smoothing switching power supplies / For normal mode line filter / For measuring instrument / For noise prevention of SMPS,TV,etc

PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)
N□□200-30450□□	3.5	450.0	140	300
N□□200-50200□□	5.0	200.0	67	300
N□□200-60150□□	6.0	150.0	41	300
N□□200-60110□□	6.0	110.0	43	300
N□□200-65130□□	6.5	130.0	39	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available

SHAPE AND DIMENSION

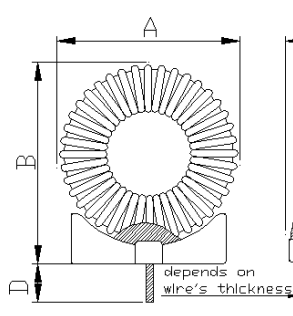


Fig.1 NVA200A- SERIES

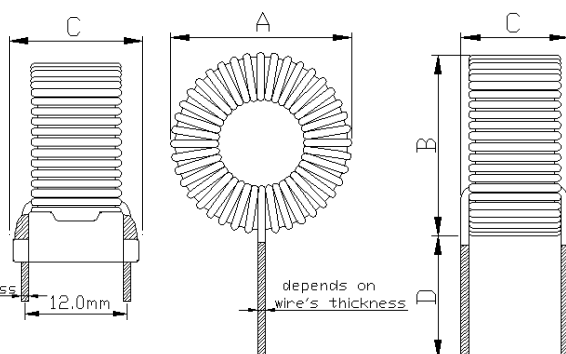


Fig.2 NVA200N- SERIES

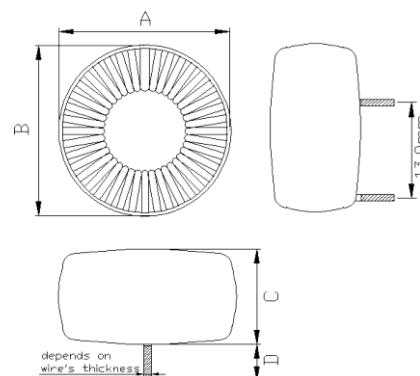


Fig.3 NHA200N- SERIES

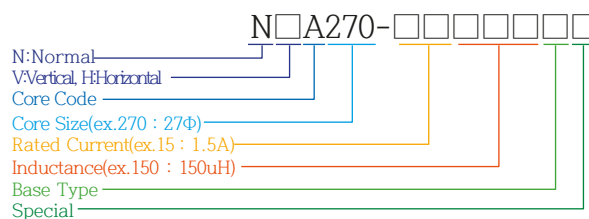
MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
NVA200A(FIG.1)	27.0	27.0	16.0	4.0±1.0
NVA200N(FIG.2)	27.0	27.0	14.0	15.0±5.0
NHA200N(FIG.3)	27.0	27.0	14.0	15.0±5.0

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Normal 27Φ-SERIES



■ PRODUCT NAME MEANING



■ FEATURES

270-SERIES Line Filter series is compact in size. And Low Leakage of flux and vibration noise of gap-less structure.

■ APPLICATIONS

For smoothing switching power supplies / For normal mode line filter / For measuring instrument / For noise prevention of SMPS, TV, etc

■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)
N□□270-40013□□	4.0	1300.0	142	300
N□□270-50500□□	5.0	500.0	66	300
N□□270-70300□□	7.0	300.0	38	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current) is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available

■ SHAPE AND DIMENSION

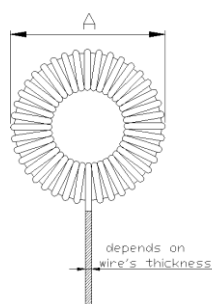


Fig.1 NVB270N- SERIES

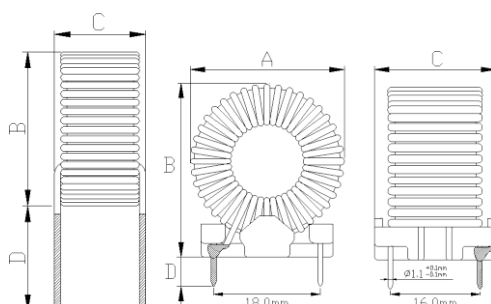


Fig.2 NVA270K- SERIES

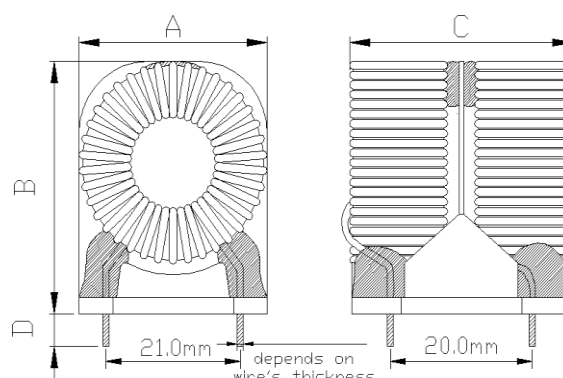


Fig.3 NVB270D- SERIES

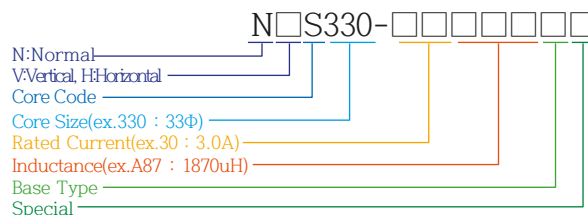
MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
NVB270N(FIG.1)	33.0	33.0	22.0	15.0±5.0
NVA270K(FIG.2)	33.0	35.0	25.0	4.0±1.0
NVB270D(FIG.3)	40.0	40.0	45.0	4.0±1.0

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Normal 33Φ-SERIES



■ PRODUCT NAME MEANING



■ FEATURES

330-SERIES Line Filter series is compact in size. And Low Leakage of flux and vibration noise of gap-less structure.

■ APPLICATIONS

For smoothing switching power supplies / For normal mode line filter / For measuring instrument / For noise prevention of SMPS,TV,etc

■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)
N□□330-30A87□□	3.0	1870.0	350	300
N□□330-80260□□	8.0	260.0	49	300
N□□330-80300□□	8.0	300.0	40	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available

■ SHAPE AND DIMENSION

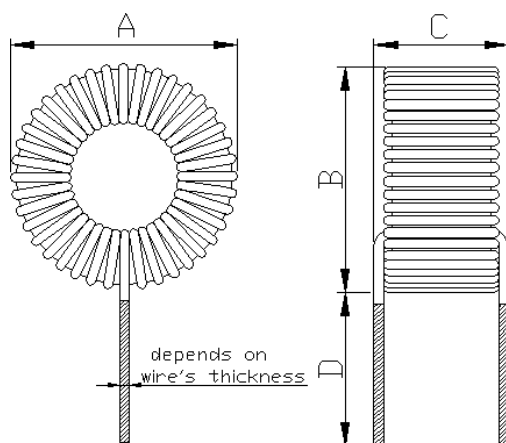


Fig.1 NVS330N- SERIES

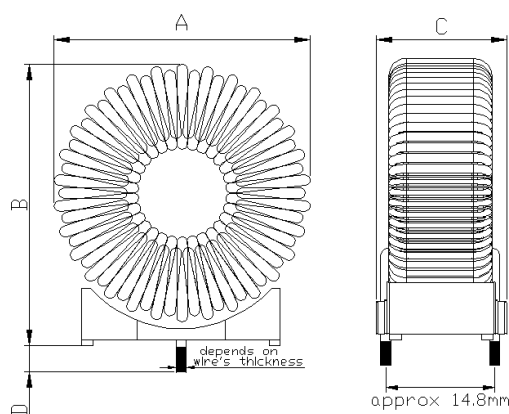


Fig.2 NVS330B- SERIES

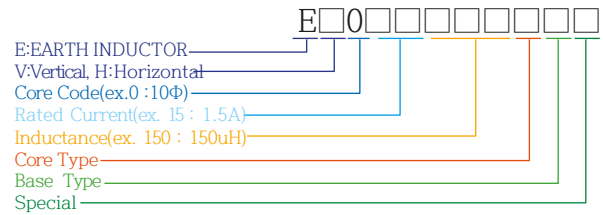
MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
NVS330N(FIG.1)	38.0	38.0	15.0	15.0±5.0
NVS330B(FIG.2)	40.0	42.0	20.0	5.0±1.0

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Normal EV-SERIES



■ PRODUCT NAME MEANING



■ FEATURES

EV-SERIES Line Filter series is compact in size. And Low Leakage of flux and vibration noise of gap-less structure. This product is often used to connect primary or secondary ground to Earth

■ APPLICATIONS

For smoothing switching power supplies / For normal mode line filter / For measuring instrument / For noise prevention of SMPS, TV, etc

■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)
E 0 0 B 0 0 0 5 N 0 0	20.0	5.0	4	300
E 0 0 B 0 0 0 1 8 N 0 0	20.0	18.0	6	300
E 0 1 B 0 0 8 0 S 0 0	20.0	80.0	9	300

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current) is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics. Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available
- Halogen free available

■ SHAPE AND DIMENSION

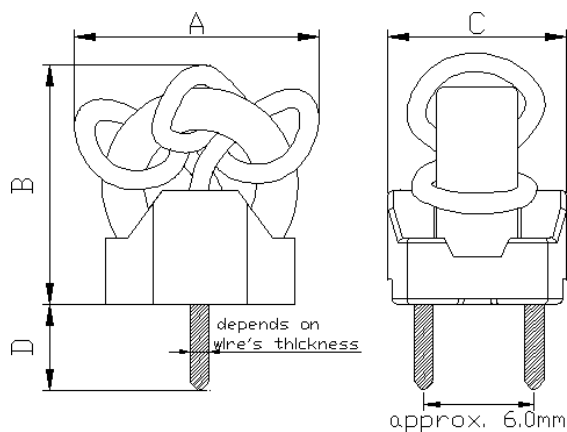


Fig.1 EV0A- SERIES

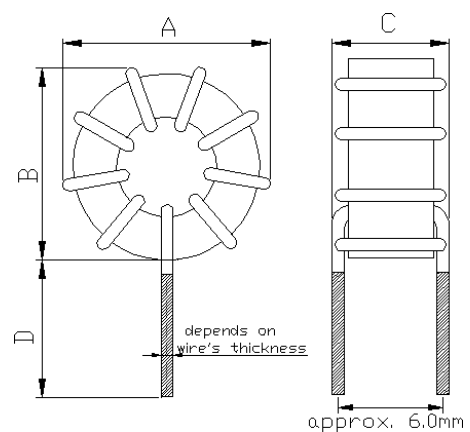


Fig.2 EV0N- SERIES

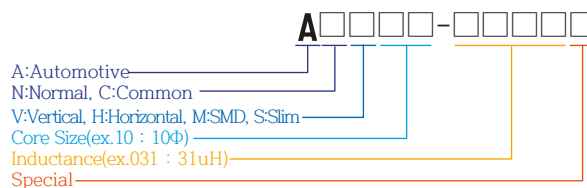
MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
EV0 0 A (FIG.1)	15.0	14.9	11.0	4.0±1.0
EV0 0 N (FIG.2)	15.0	14.0	9.0	8.0±2.0

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Automotive ACV SERIES



PRODUCT NAME MEANING



PART NUMBER AND SPECIFICATIONS

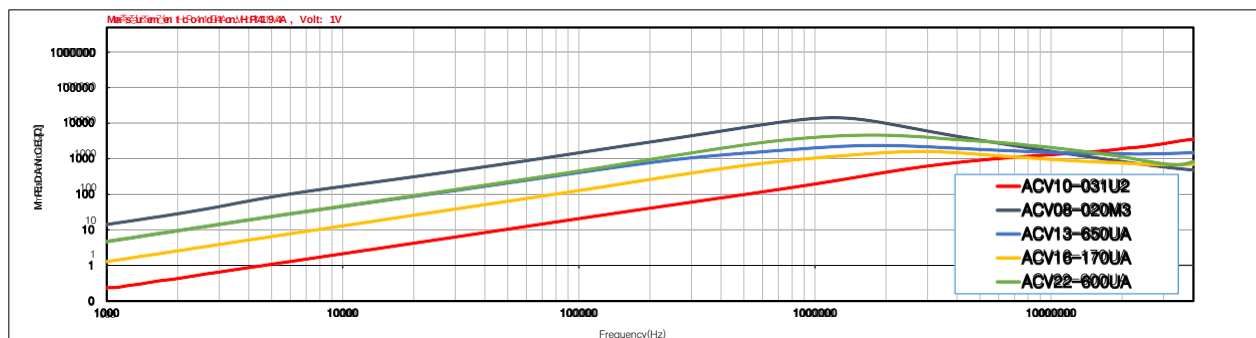
Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)
ACV08-020M3	0.5	2000.0	400	DC 30
ACV10-031U2	4.0	31.0	21	DC 120
ACV13-650UA	4.0	650.0	34	DC 100
ACV16-170UA	15.0	170.0	8	DC 450
ACV22-600UA	13.0	600.0	12	DC 450

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -40°C to 130°C
 - Winding Temperature Rise(at Rated Current) is under 55°C
 - Rising temperature is affected by PCB condition and an amount of harmonics.
- Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- Automotive Apply
- AEC-Q200 Reliability Test Complete
- UL94 V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available

IMPEDANCE CHARACTERISTIC GRAPH



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SHAPE AND DIMENSION

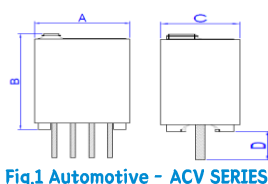


Fig.1 Automotive - ACV SERIES

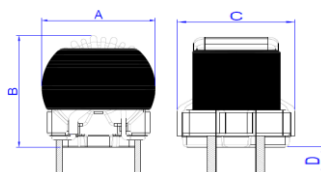


Fig.2

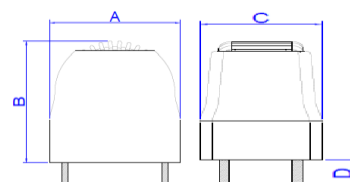


Fig.3

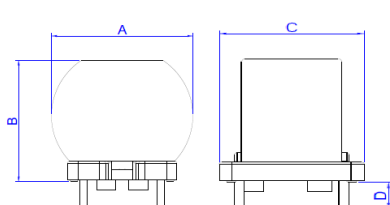


Fig.4

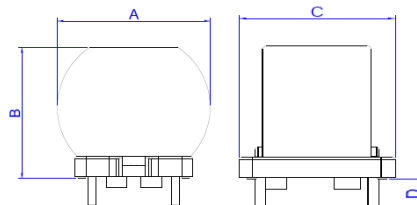


Fig.5

MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
Automotive(FIG.1)	13.0	15.5	8.0	4.0±1.0
Automotive(FIG.2)	14.0	15.0	11.0	3.2±0.5
Automotive(FIG.3)	18.0	20.0	11.0	3.8±0.5

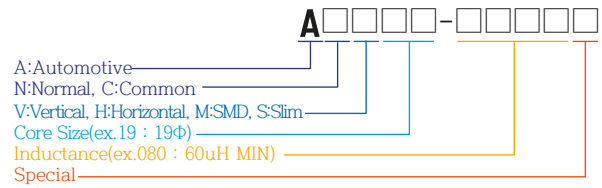
MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
Automotive (FIG.4)	23.0	21.0	19.0	3.5±0.5
Automotive (FIG.5)	29.0	29.0	22.5	3.5±0.5

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Automotive ACH SERIES



■ PRODUCT NAME MEANING



■ PART NUMBER AND SPECIFICATIONS

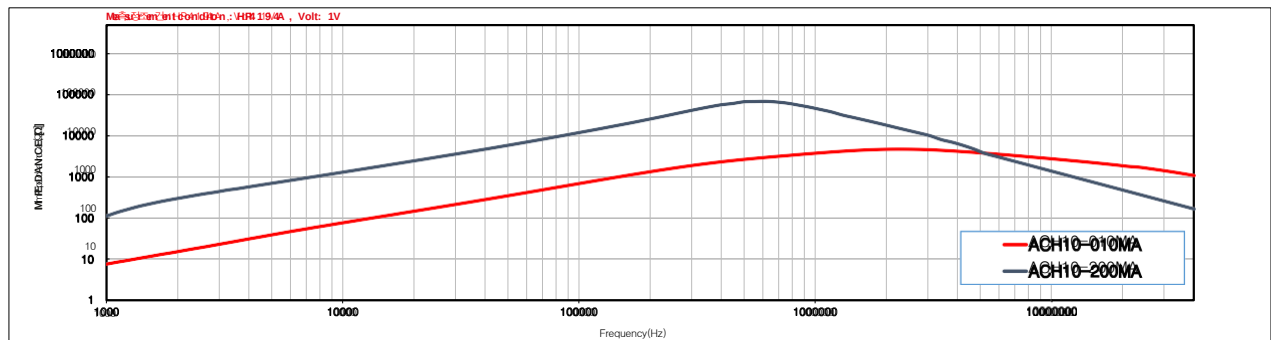
Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
ACH10-010MA	2.5	1.0	3.6	DC 300
ACH10-200MA	0.5	20.0	1194	DC 250

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -40°C to 105°C
- Winding Temperature Rise(at Rated Current) is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- Automotive Apply
- AEC-Q200 Reliability Test Complete
- UL94 V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available

■ IMPEDANCE CHARACTERISTIC GRAPH



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■ SHAPE AND DIMENSION

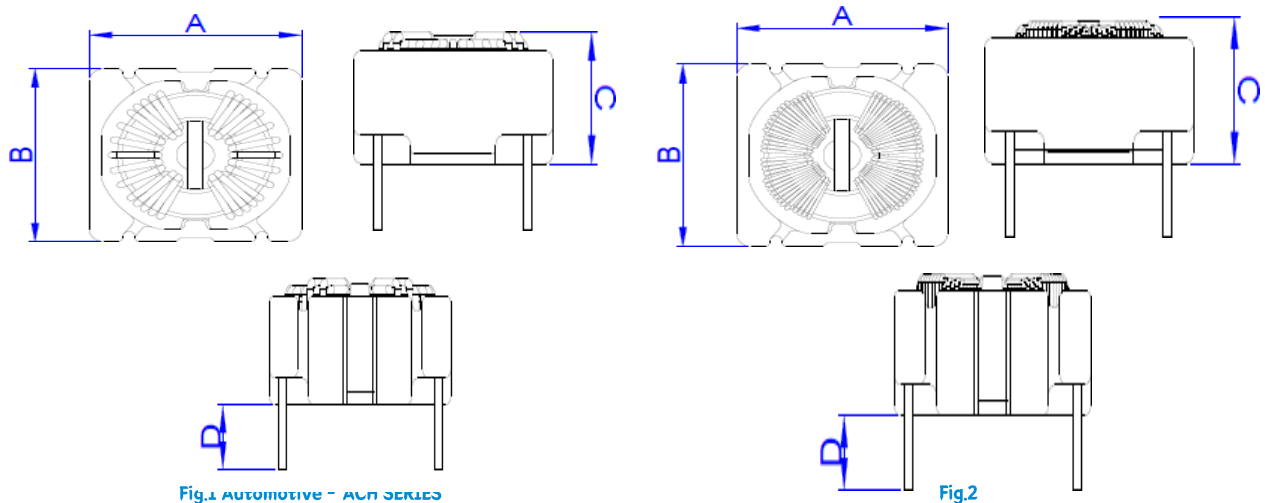


Fig.1 Automotive - ACH SERIES

Fig.2

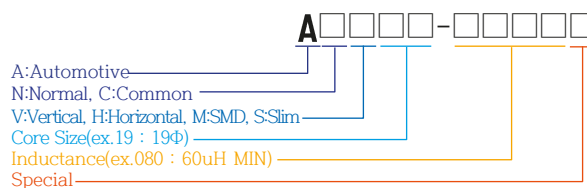
MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
Automotive(FIG.1)	14.5	14.5	8.0	4.0±1.0
Automotive(FIG.2)	14.5	14.5	8.0	4.0±1.0

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Automotive ACS SERIES



■ PRODUCT NAME MEANING



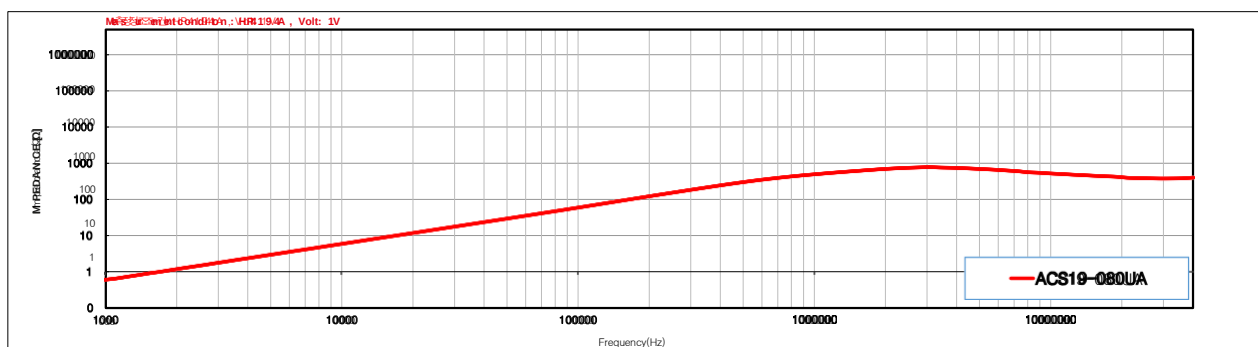
■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)
ACS19-080UA	20.0	80.0	4	DC 400

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -40°C to 120°C
- Winding Temperature Rise(at Rated Current) is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- Automotive Apply
- AEC-Q200 Reliability Test Complete
- UL94 V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available

■ IMPEDANCE CHARACTERISTIC GRAPH



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■ SHAPE AND DIMENSION

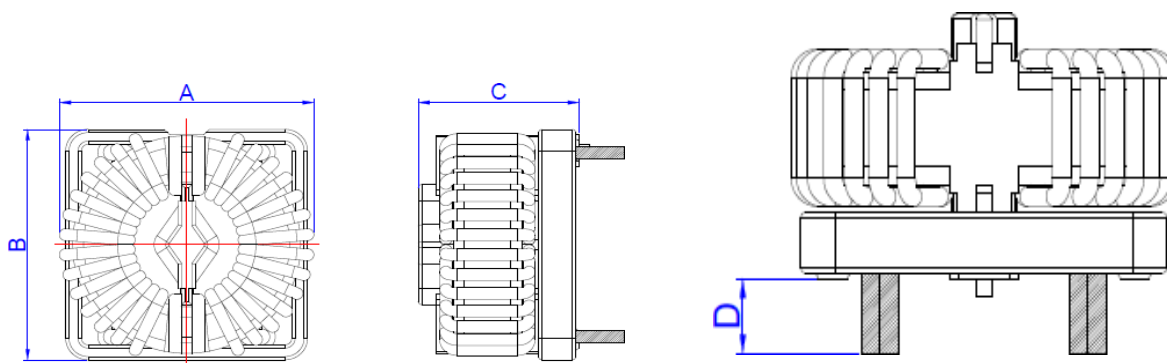
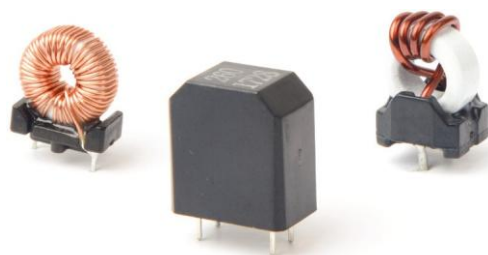


Fig.1 Automotive - ACS SERIES

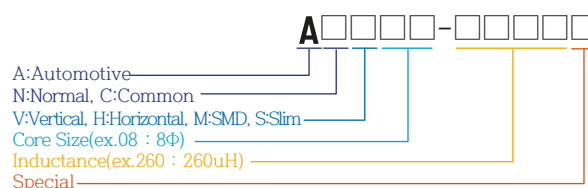
MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
Automotive(FIG.1)	26.0	24.0	16.5	4.1±1.0

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Automotive ANV SERIES



■ PRODUCT NAME MEANING



■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)
ANV09-080U2	2.0	80.0	120	DC 120
ANV09-260UA	1.0	260.0	522.0	DC 450
ANV10-007UA	13.0	7.5	6	DC 100

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -40°C to 130°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- Automotive Apply
- AEC-Q200 Reliability Test Complete
- UL94 V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available

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■ SHAPE AND DIMENSION

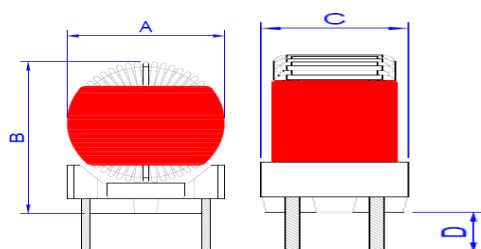


Fig.1 Automotive - ANV SERIES

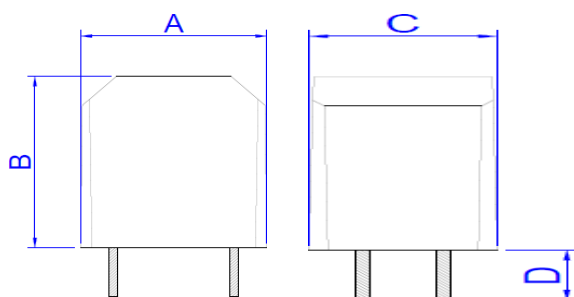


Fig.2

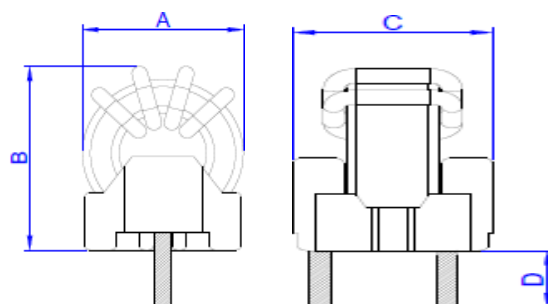


Fig.3

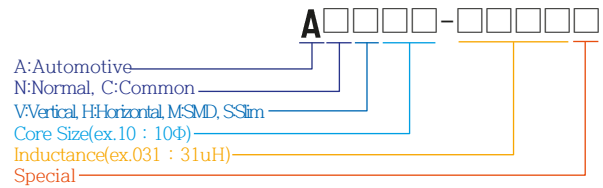
MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
Automotive(FIG.1)	13.0	15.0	8.0	3.4±0.5
Automotive(FIG.2)	14.0	15.0	8.5	3.4±0.5
Automotive(FIG.3)	12.0	15.0	10.5	4.0±1.0

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Automotive ANH SERIES



PRODUCT NAME MEANING



PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)
ANH13-045UA	4.0	45.0	67	DC 300
ANH33-010UA	60.0	10.5	1.05	DC 300
ANH33-010UB	60.0	10.5	1.05	DC 120

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -40°C to 120°C
- Winding Temperature Rise(at Rated Current) is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.

- Automotive Apply
- AEC-Q200 Reliability Test Complete
- UL94 V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available

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SHAPE AND DIMENSION

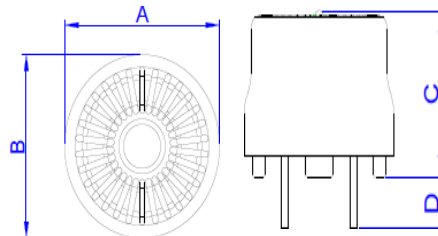


Fig.1 Automotive - ANV SERIES

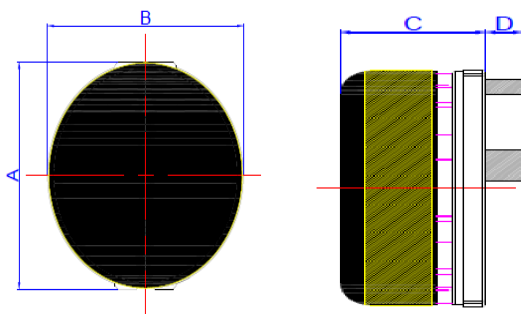


Fig.2

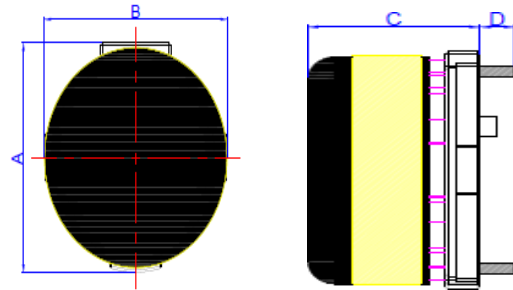


Fig.3

MODEL TYPE	A(mm)	B(mm)	C(mm)	D(mm)
Automotive(FIG.1)	18.5	18.5	13.5	3.8±0.5
Automotive(FIG.2)	42.0	42.1	22.0	5.0±0.5
Automotive(FIG.3)	42.6	44.5	22.2	5.0±1.0

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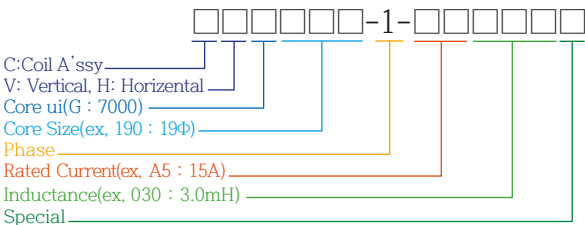
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Coil A'ssy (Ground Line)

CVG190-1-75030 SERIES



PRODUCT NAME MEANING

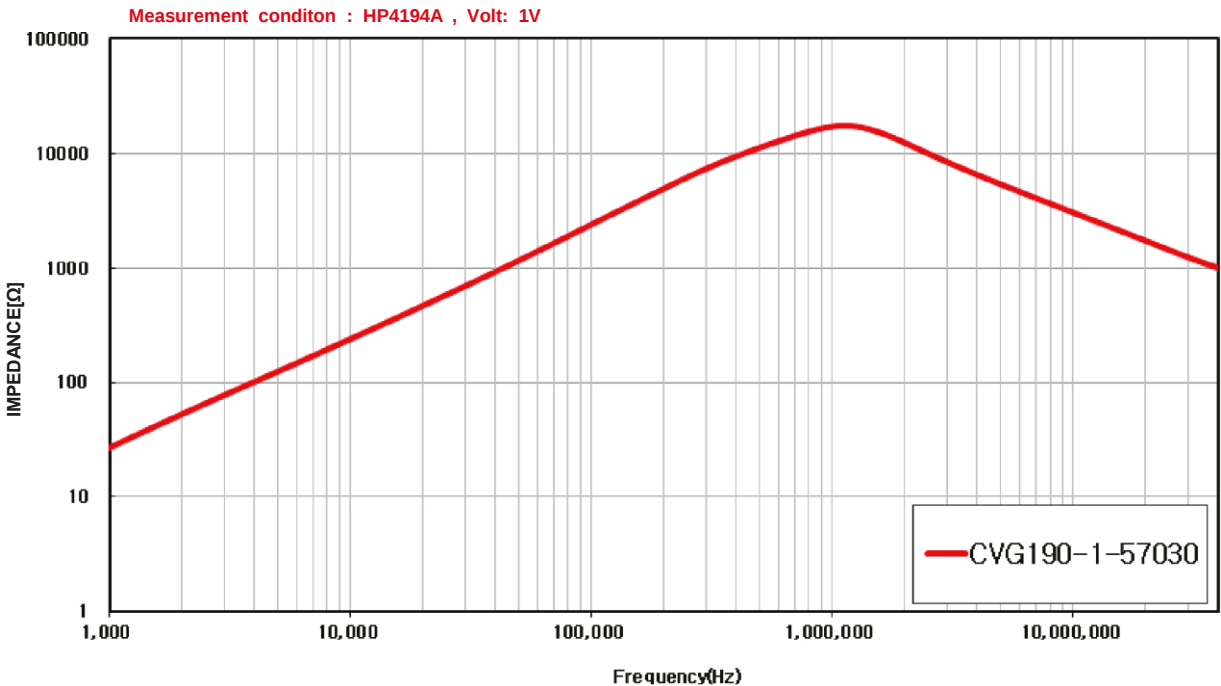


PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
CVG190-1-75030A	7.5	3.0	200	300V	AWG 12

Notice

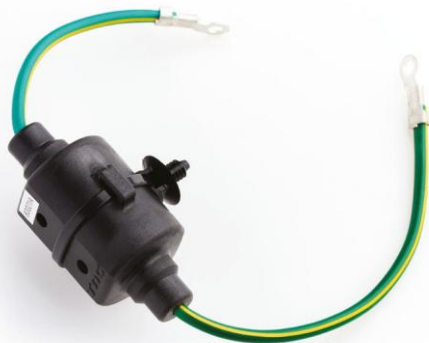
- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available



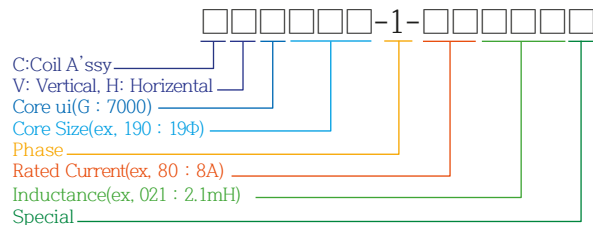
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Coil A'ssy (Ground Line)

CVG190-1-80021 SERIES



■ PRODUCT NAME MEANING

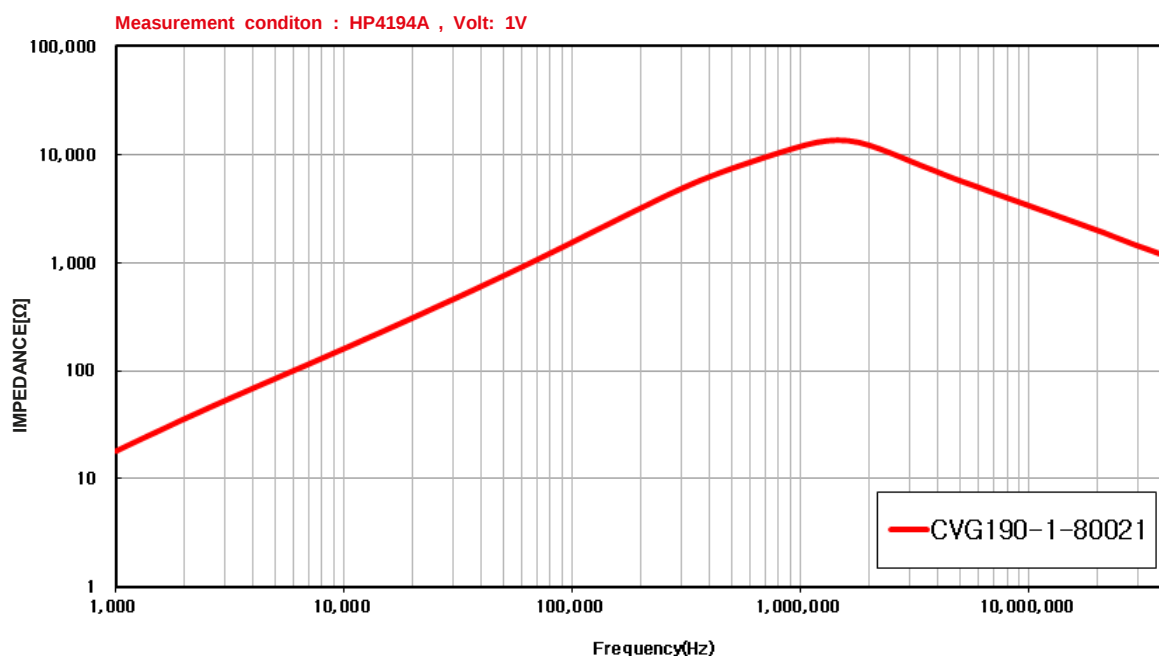


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
CVG190-1-80021B	8.0	2.1	200	300	AWG 12
CVG190-1-80021B	8.0	2.1	200	300	AWG 12
CVG190-1-80021C	8.0	2.1	200	300	AWG 12

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available



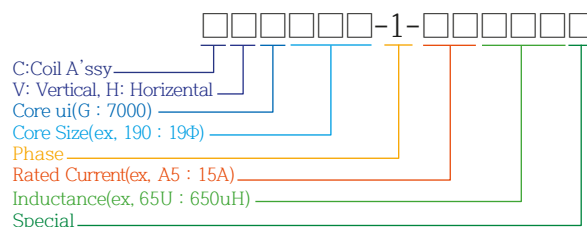
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Coil A'ssy (Ground Line)

CVG190-1-A565U SERIES



■ PRODUCT NAME MEANING

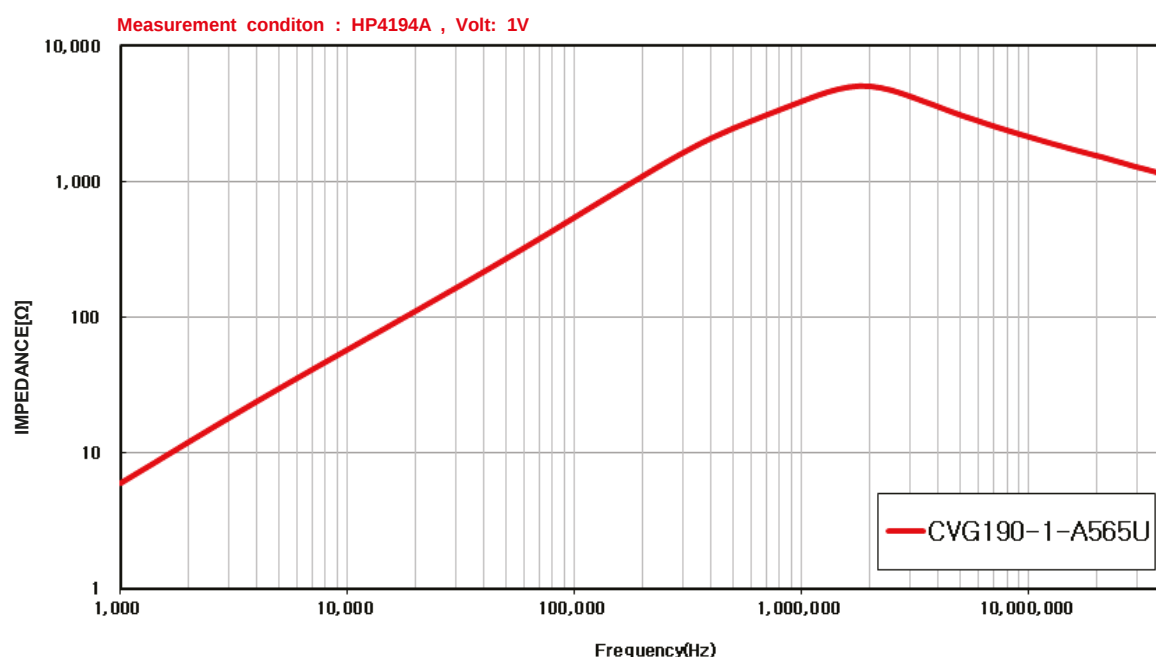


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
CVG190-1-A565UC	15.0	0.9	200	300	AWG 12
CVG190-1-A565UD	15.0	0.9	200	300	AWG 12
CVG190-1-A565UE	15.0	0.9	200	300	AWG 12
CVG190-1-A565UG	15.0	0.9	200	300	AWG 12

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available



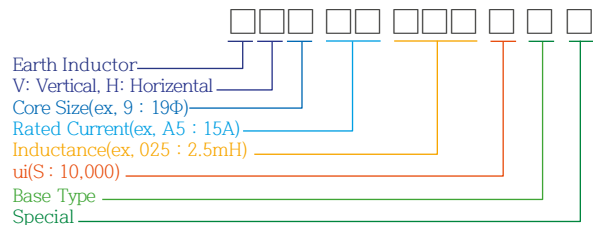
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Coil A'ssy (Ground Line)

EV9A5025SN SERIES



■ PRODUCT NAME MEANING

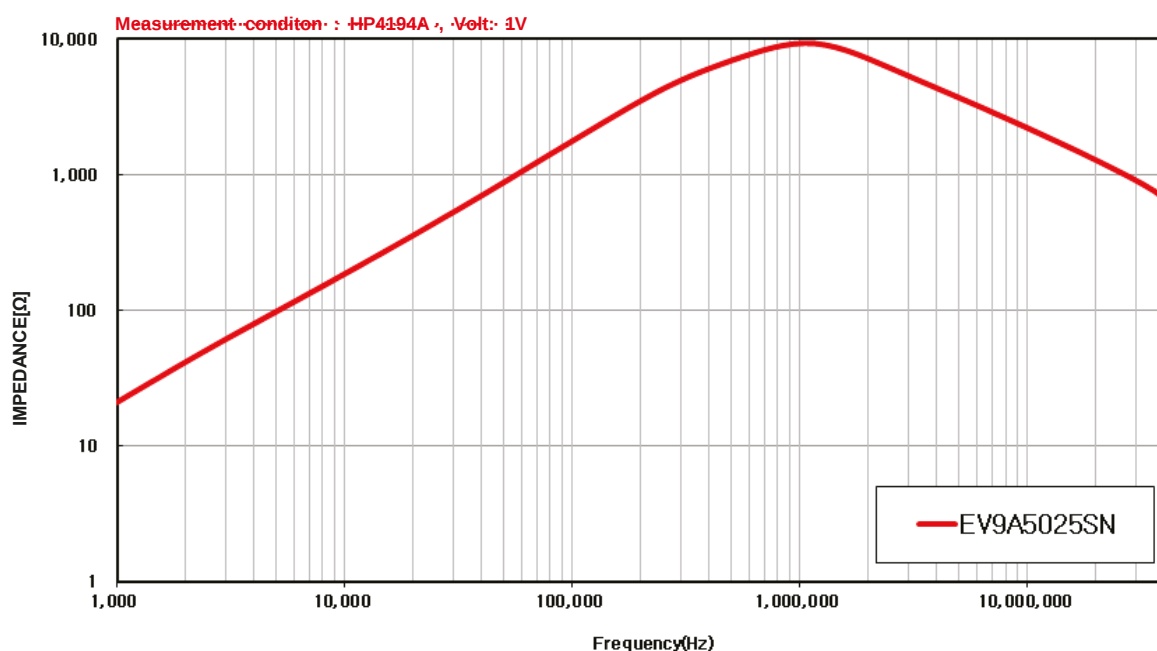


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
EV9A5025SNA	15.0	2.5	200	300	AWG 14
EV9A5025SNB	15.0	2.5	200	300	AWG 14
EV9A5025SNC	15.0	2.5	200	300	AWG 14
EV9A5025SND	15.0	2.5	200	300	AWG 14
EV9A5025SNE	15.0	2.5	200	300	AWG 14

Notice

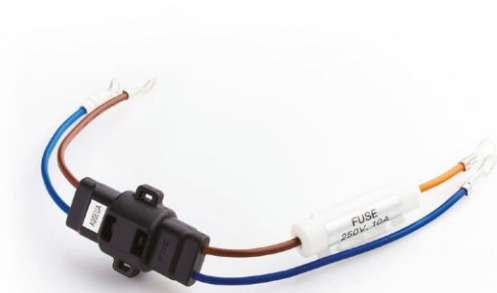
- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available



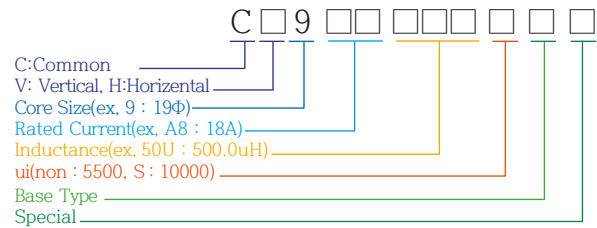
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Coil A'ssy (Power Line)

CH9A850USN SERIES



■ PRODUCT NAME MEANING

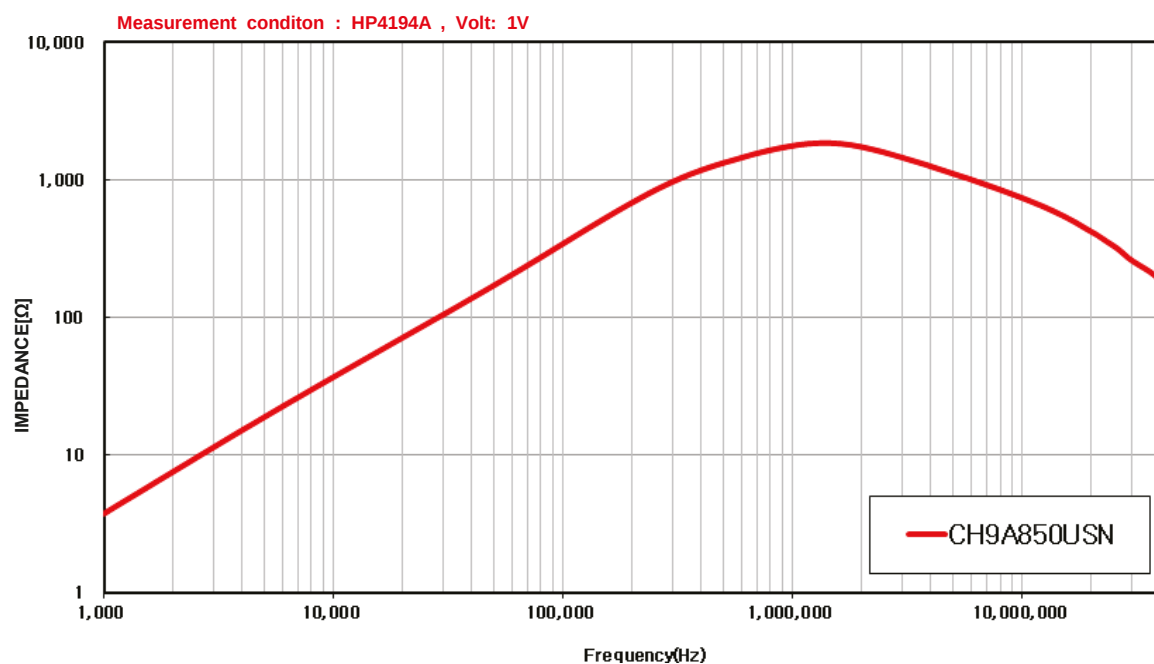


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
CH9A850USNA	18.0	500.0	200	300	AWG 12
CH9A850USNB	18.0	500.0	200	300	AWG 12
CH9A850USND	18.0	500.0	200	300	AWG 12

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current) is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available



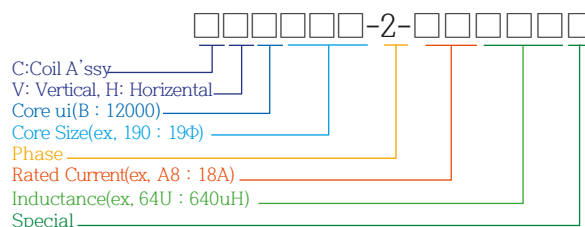
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Coil A'ssy (Power Line)

CVB190-2-A864U SERIES



■ PRODUCT NAME MEANING

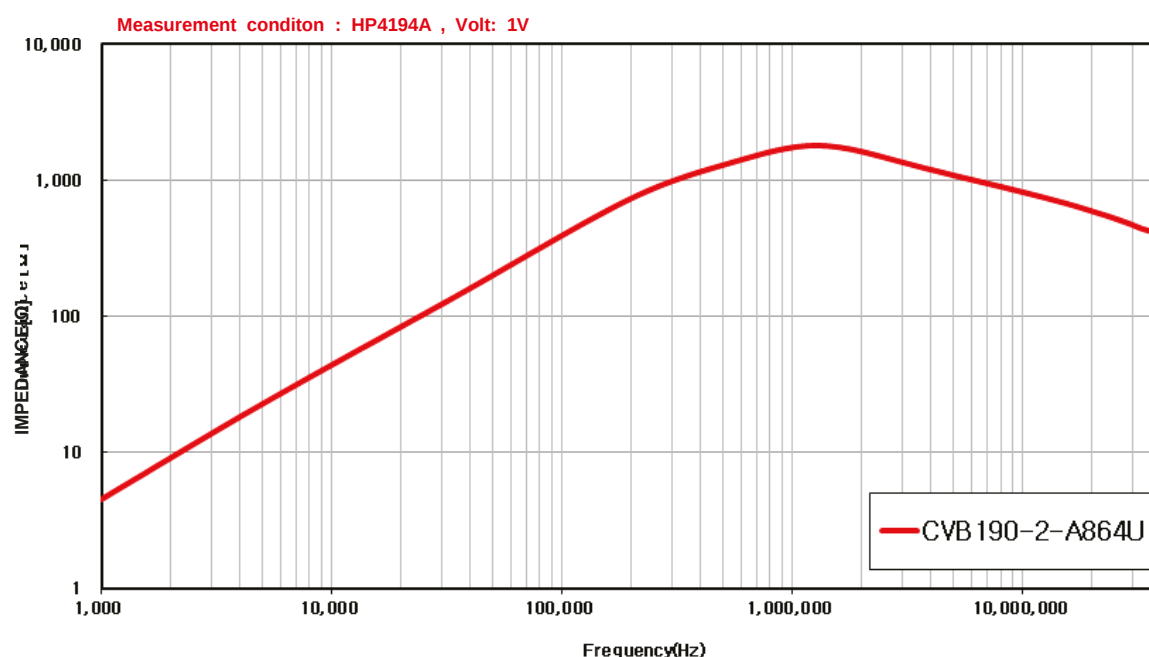


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
CVB190-2-A864UB	18.0	640.0	200	300	AWG 12
CVB190-2-A864UD	18.0	640.0	200	300	AWG 12
CVB190-2-A864UE	18.0	640.0	200	300	AWG 12

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available



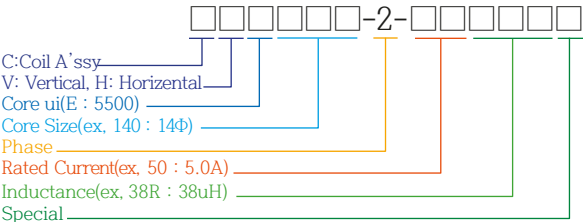
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Coil A'ssy (Power Line)

CVE140-2-5038R SERIES



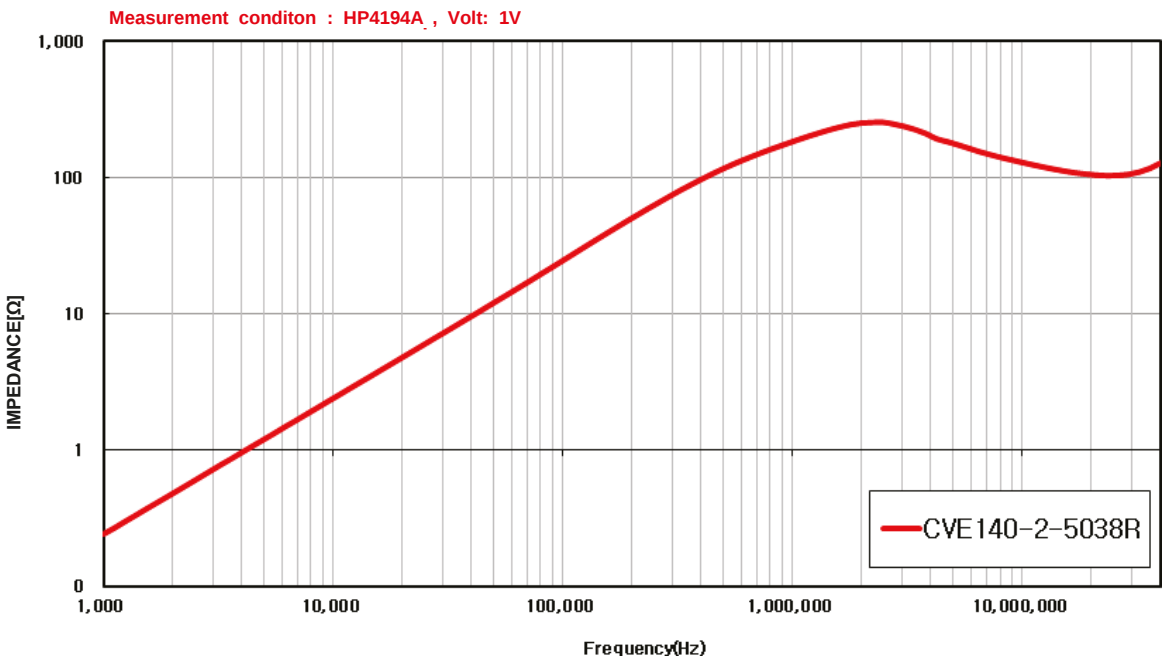
PRODUCT NAME MEANING



PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
CVE140-2-5038RA	5.0	38.0	200	300	AWG 18

- Notice
- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30℃ to 105℃
 - Winding Temperature Rise(at Rated Current)is under 55℃
 - Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
 - UL94V-0 certified resin used
 - Pb-free solder used
 - RoHS free
 - Custom made Products are also available



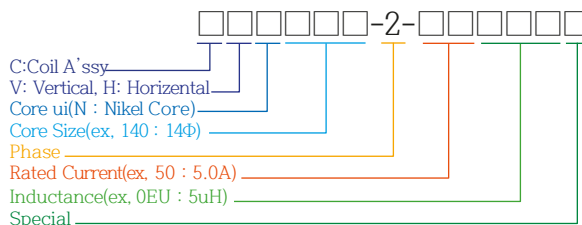
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Coil A'ssy (Power Line)

CVN140-2-500EU SERIES



■ PRODUCT NAME MEANING

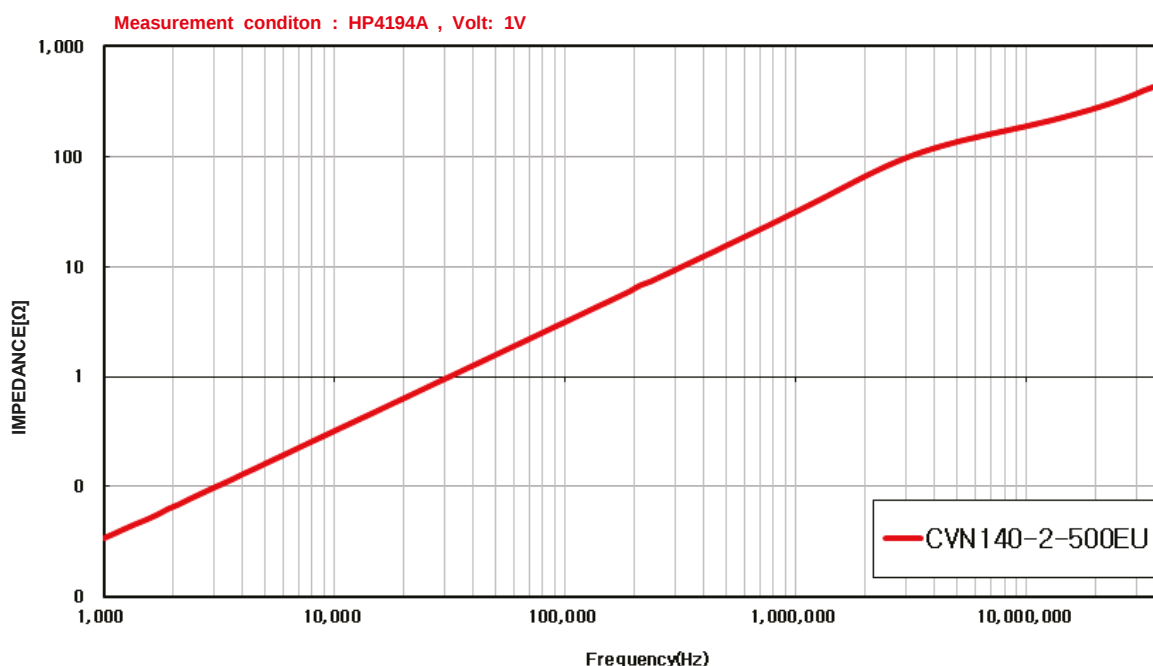


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
CVN140-2-500EUA	5.0	5.0	200	300	AWG 18
CVN140-2-500EUB	5.0	5.0	200	300	AWG 18
CVN140-2-500EUC	5.0	5.0	200	300	AWG 18

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available



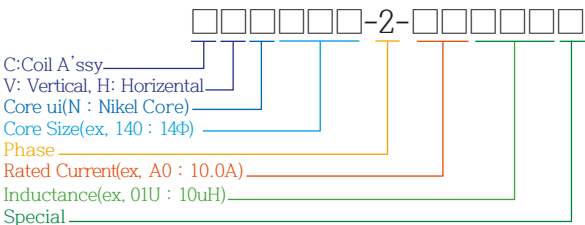
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Coil A'ssy (Power Line)

CVN140-2-A001U SERIES



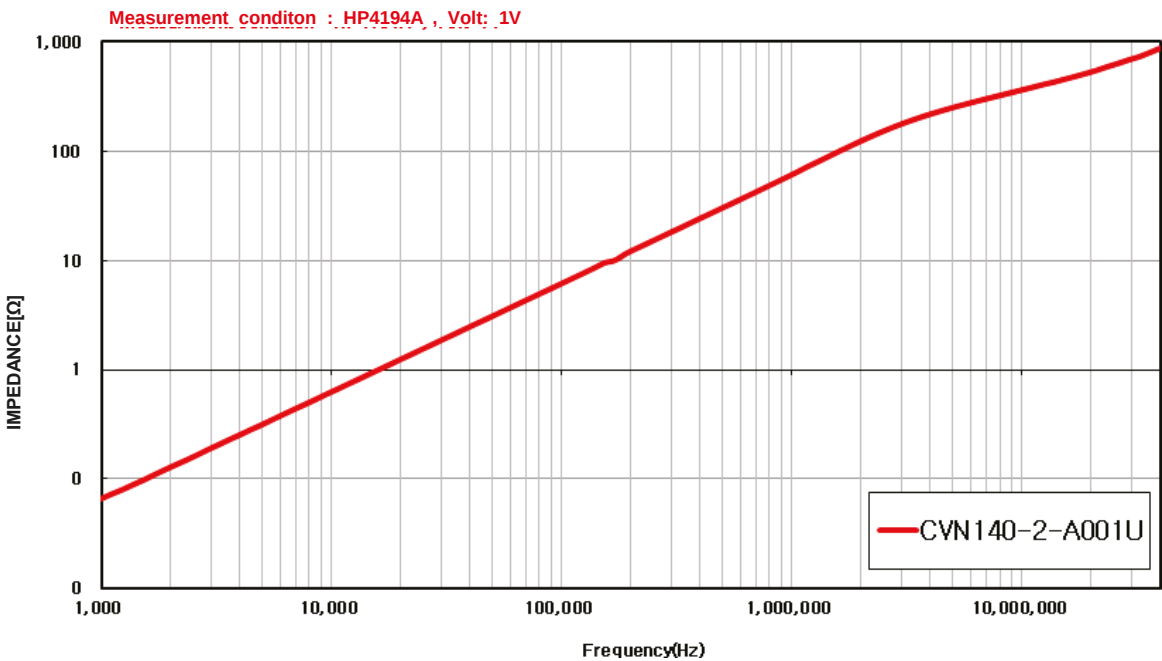
PRODUCT NAME MEANING



PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
CVN140-2-A001UB	10.0	9.5	200	300	AWG 18

- Notice
- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
 - Winding Temperature Rise(at Rated Current)is under 55°C
 - Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
 - UL94V-0 certified resin used
 - Pb-free solder used
 - RoHS free
 - Custom made Products are also available



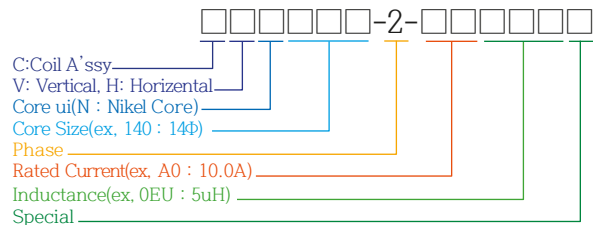
For safety and the proper usage, you are requested to approve our product specification
This contents subject to change without advance notice. Please check with our sales or R&D before ordering.

Coil Assy (Power Line)

CVN140-2-A00EU SERIES



PRODUCT NAME MEANING

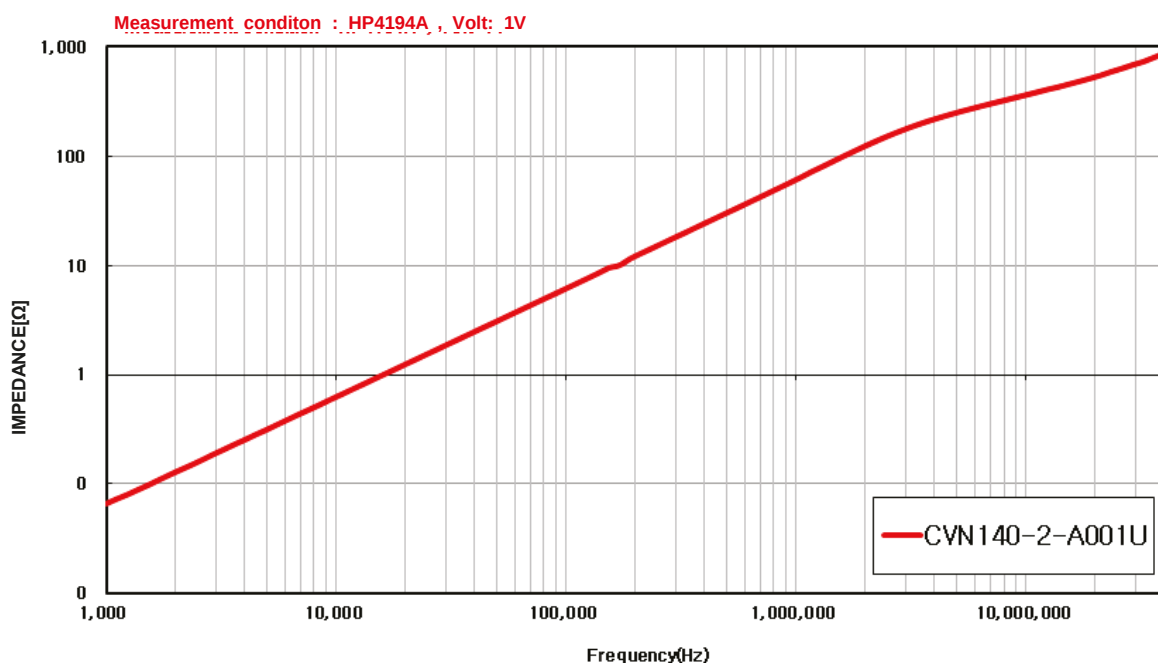


PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
CVN140-2-A001UB	10.0	5.0	200	300	AWG 18

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
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Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available



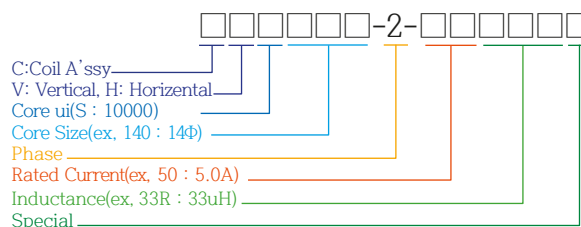
For safety and the proper usage, you are requested to approve our product specification
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Coil A'ssy (Ground Line)

CVS140-2-5033R SERIES



■ PRODUCT NAME MEANING

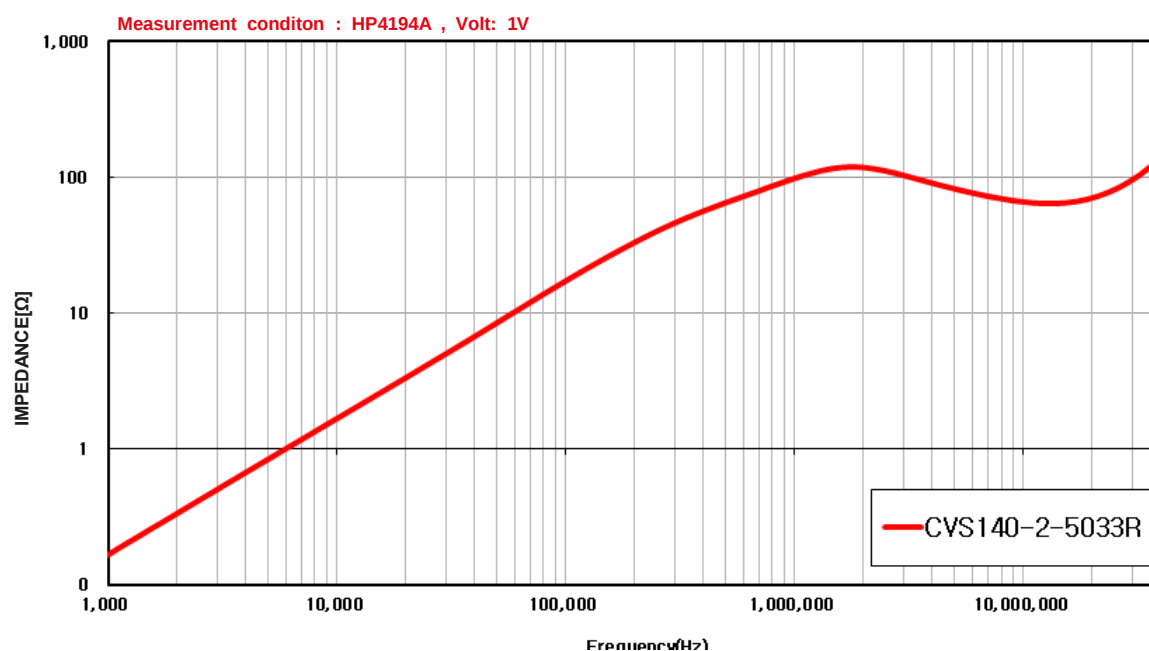


■ PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
CVS140-2-5033RA	5.0	33.0	200	300	AWG 18
CVS140-2-5033RB	5.0	33.0	200	300	AWG 18
CVS140-2-5033RC	5.0	33.0	200	300	AWG 18
CVS140-2-5033RD	5.0	33.0	200	300	AWG 18

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available



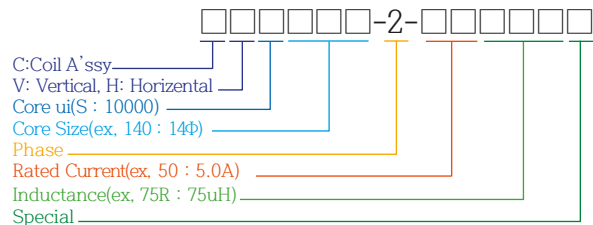
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Coil Assy (Power Line)

CVS140-2-5075R SERIES



PRODUCT NAME MEANING

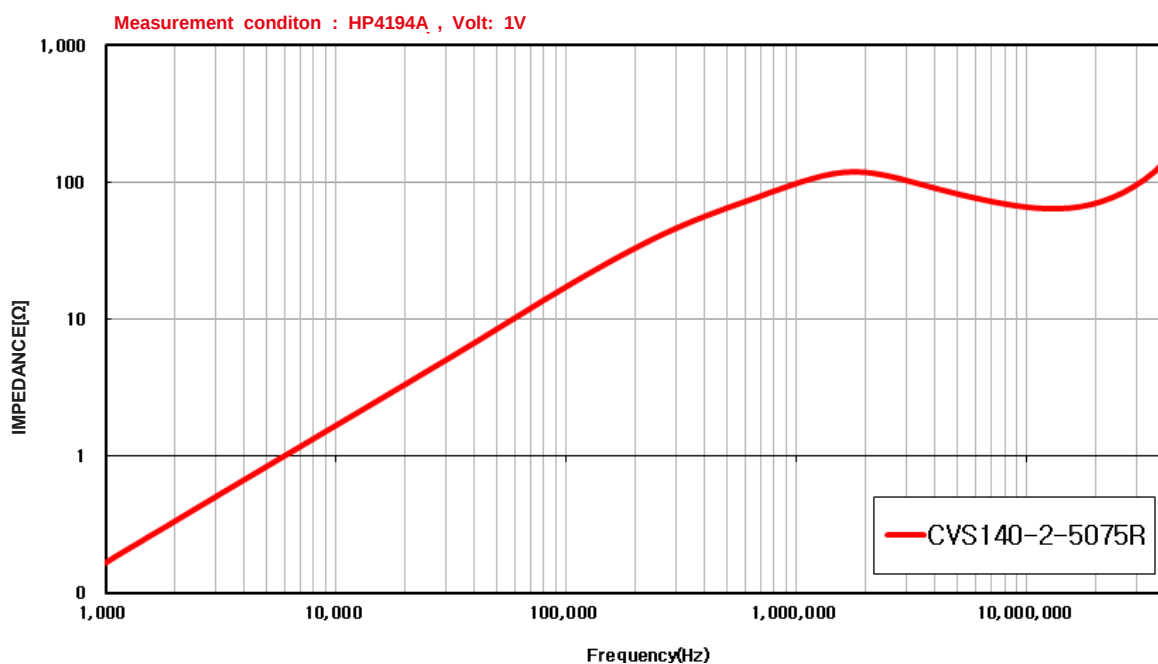


PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(uH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
CVS140-2-5075RA	5.0	75.0	200	300	AWG 18

Notice

- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
- Winding Temperature Rise(at Rated Current)is under 55°C
- Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
- UL94V-0 certified resin used
- Pb-free solder used
- RoHS free
- Custom made Products are also available



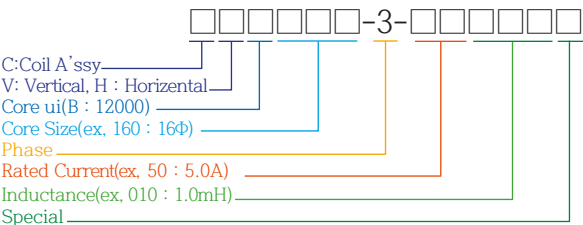
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Coil A'ssy (Comp Line)

CVB160-3-50010 SERIES



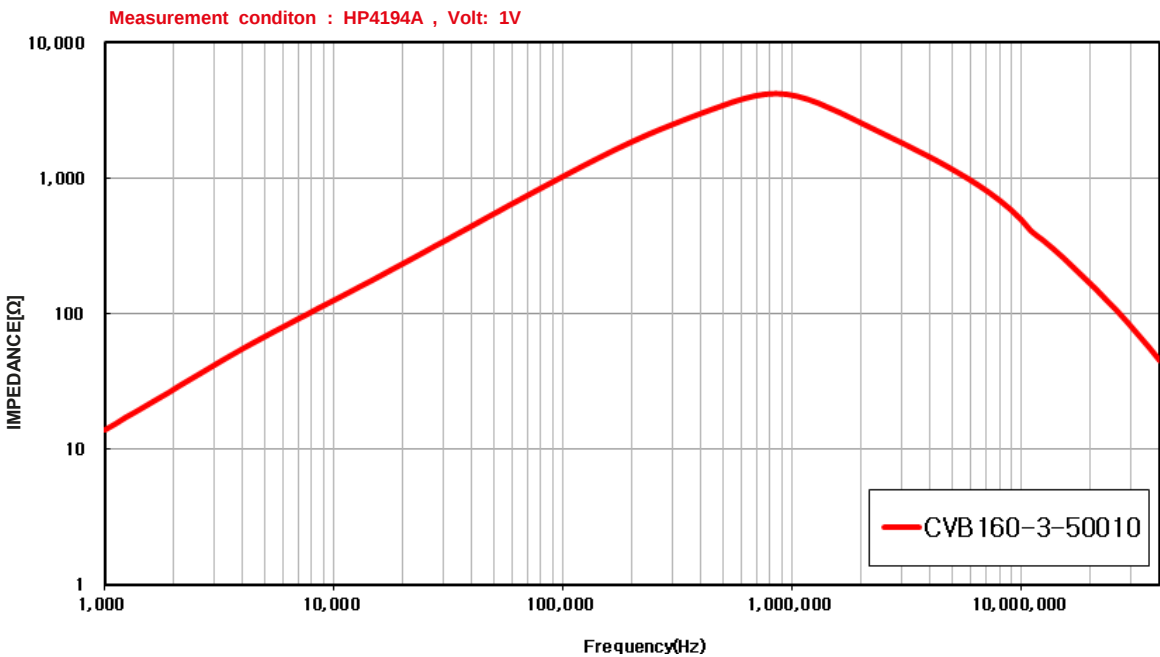
PRODUCT NAME MEANING



PART NUMBER AND SPECIFICATIONS

Part No.	Rated current(A)	Inductance(mH)	DC R(mΩ)	Rated Voltage(V)	Harness Wire
CVB160-3-50010	5.0	1.9	200	300	IEC 0.5SQ

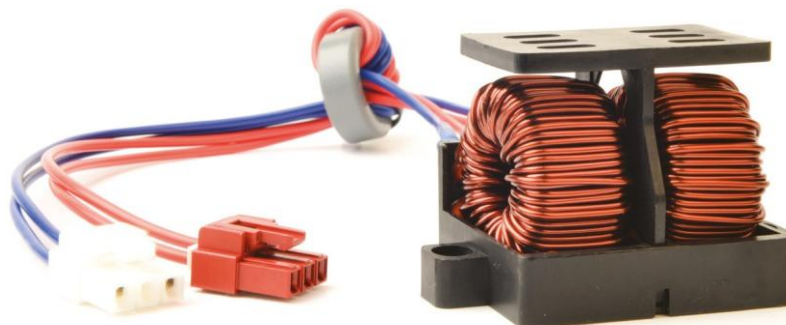
- Notice
- Operating Temperature Range(Ambient Temperature Range and Winding Temperature Rise) : -30°C to 105°C
 - Winding Temperature Rise(at Rated Current)is under 55°C
 - Rising temperature is affected by PCB condition and an amount of harmonics.
Please make sure that the temperature of the coil is not exceeded the operating temperature range.
 - UL94V-0 certified resin used
 - Pb-free solder used
 - RoHS free
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For safety and the proper usage, you are requested to approve our product specification
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REACTOR

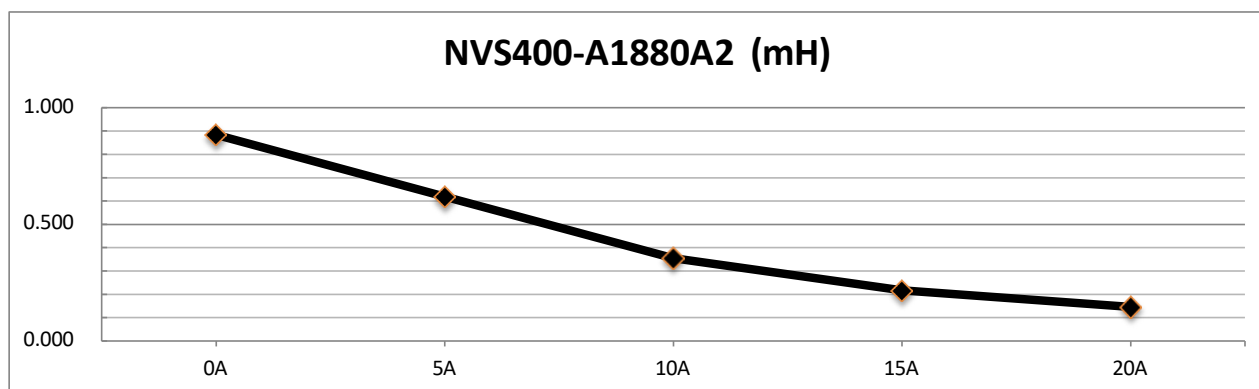
NVS400-A1880A2

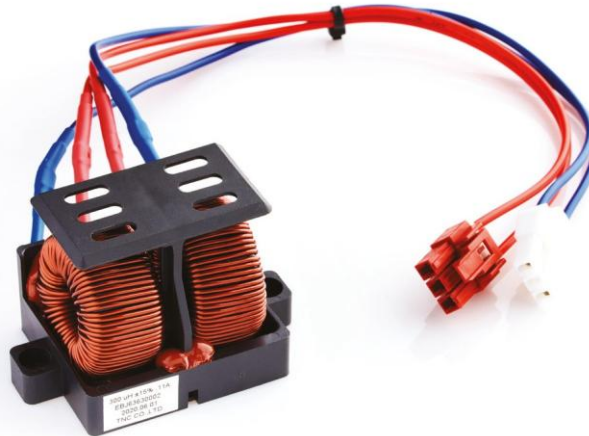


■ STANDARD SPECIFICATIONS

Part No.	NVS400-A1880A2
Division	DC
Capacity	3KW
Form	Toroidal
L (mH)	0.880
Current(A)	11
Wire Φ	1.50
Turns	86T

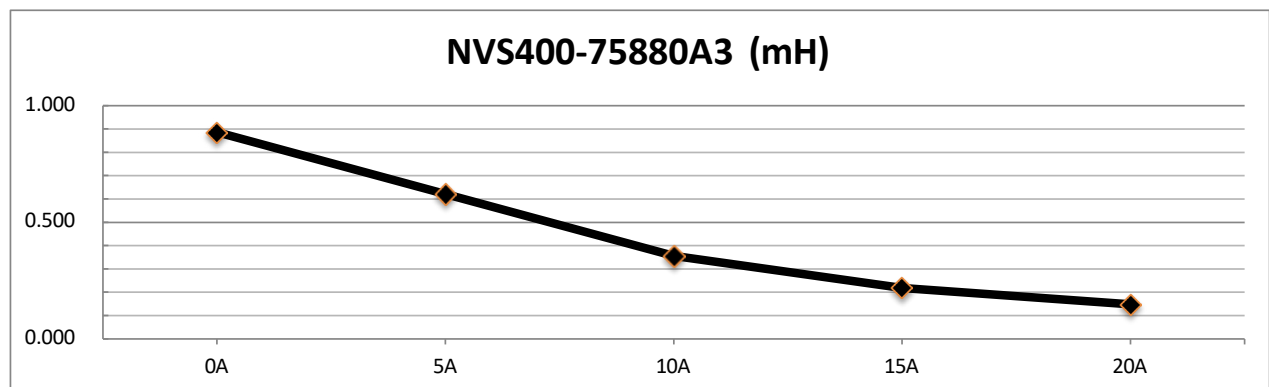
Current	DC-BIAS
0A	0.883
5A	0.618
10A	0.354
15A	0.216
20A	0.145



REACTOR**NVS400-75880A3****■ STANDARD SPECIFICATIONS**

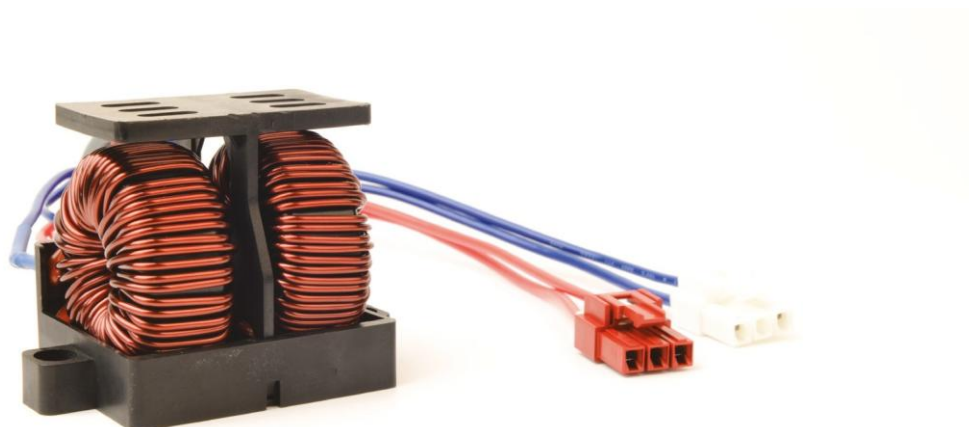
Part No.	NVS400-A1880A2
Division	DC
Capacity	3KW
Form	Toroidal
L (mH)	0.880
Current(A)	7.5
Wire Φ	1.30
Turns	86T

Current	DC-BIAS
0A	0.885
5A	0.621
10A	0.355
15A	0.218
20A	0.147



REACTOR

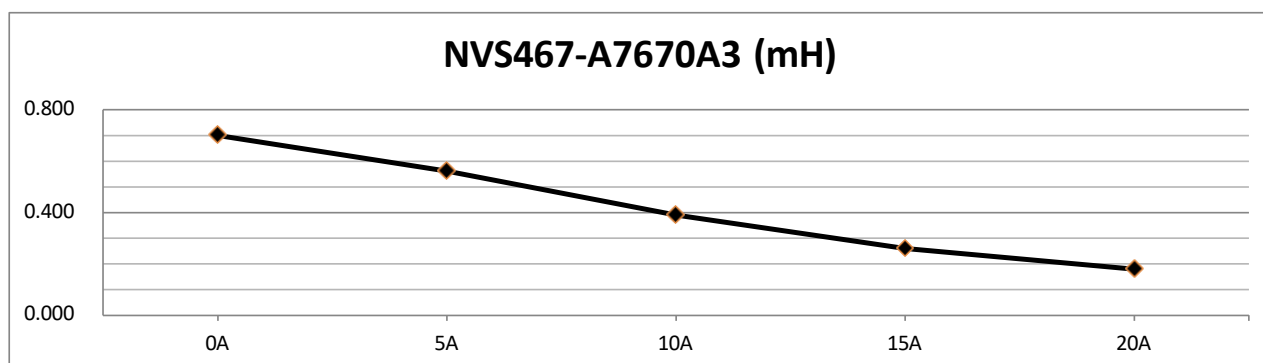
NVS467-A7670A3



■ STANDARD SPECIFICATIONS

Part No.	NVS467-A7670A3
Division	DC
Capacity	4KW
Form	Toroidal
L (mH)	0.670
Current(A)	17
Wire Φ	1.80
Turns	70T

Current	DC-BIAS
0A	0.700
5A	0.561
10A	0.390
15A	0.260
20A	0.179



REACTOR

AHK740-1-A5B00□

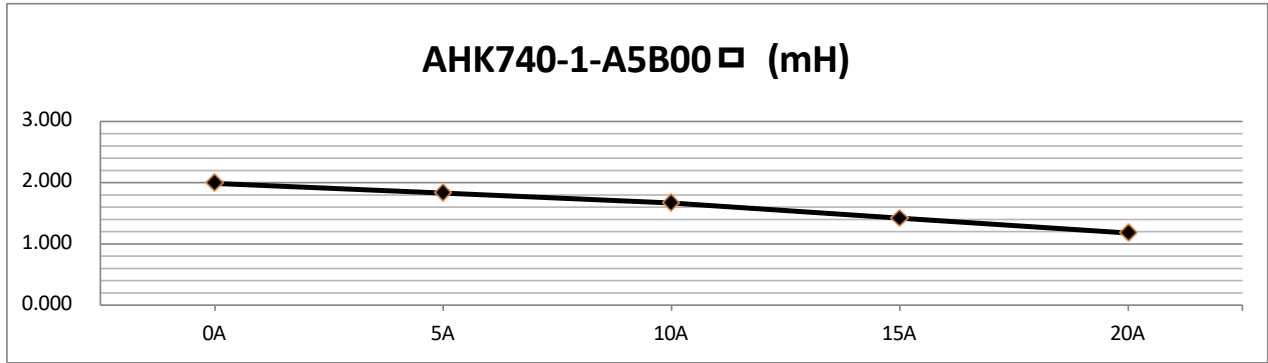


■

STANDARD SPECIFICATIONS

Part No.	AHK740-1-A5B00□
Division	DC
Capacity	3KW
Form	Toroidal
L (mH)	2.000
Current(A)	15
Wire Φ	2.50
Turns	98T

Current	DC-BIAS
0A	1.990
5A	1.830
10A	1.670
15A	1.420
20A	1.180



REACTOR

AHK740-2-B0800□



■ STANDARD SPECIFICATIONS

Part No.	AHK740-2-B0800□
Division	AC
Capacity	3KW
Form	Toroidal
L (mH)	0.800
Current(A)	20
Wire Φ	2.30
Turns	59T

Current	DC-BIAS
0A	0.808
5A	0.770
10A	0.728
15A	0.675
20A	0.616

