

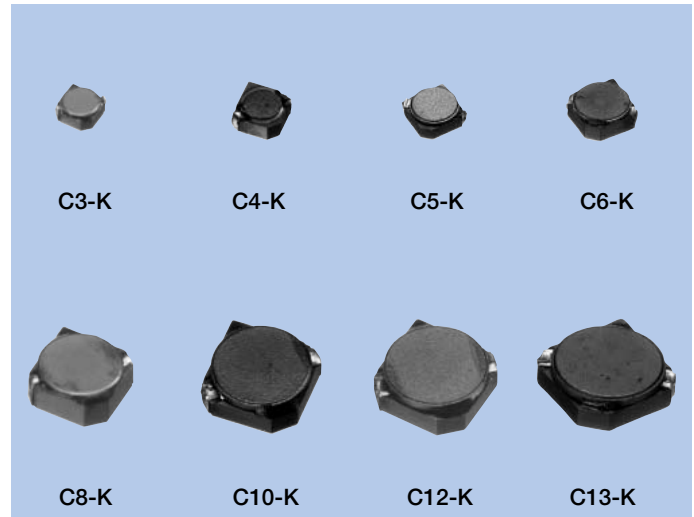
Power Inductors

C3-K, C4-K, C5-K, C6-K, C8-K, C10-K, C12-K, C13-K Series

Coils, Filters

OUTLINE

High efficiency (low DCR) choke coil for battery-driven portable electronic equipment power supplies (DC-DC converter, switching power supply) and other electronic equipment.



FEATURES

1. Less than one-half the conventional number of DC resistors.
2. Low height, able to handle high power.
3. The "closed magnetic circuit" structure reduces electromagnetic interference.

USES

Use in DSC, DVD, MD/MP3/DVD Player, CDMA, HANDY PHONE, PDA, NOTE-PC, LCD, PDP, CAR NAVIGATION, and other electronic equipments.

SPECIFICATIONS

Type	Size (mm)	H length (mm)	Inductance	Operational Frequency (kHz)	Rated Current (A)	DC Resistance (mΩ)	Pcs/Reel
C3-K1.5L	3.8×3.8	1.5	2.2~68	10~500	0.14~0.85	60~1050	3000
C3-K1.8L	3.8×3.8	1.8	1.2~68	10~500	0.27~1.8	25~980	3000
C4-K1.8R	4.8×4.8	1.9	1.0~150	10~500	0.22~2.4	18~1420	2000
C4-K1.8RA	4.8×4.8	1.9	1.0~150	10~500	0.31~3.5	22~2100	2000
C4-K3R	4.8×4.8	3.0	1.0~150	10~500	0.16~1.95	12~655	2000
C4-K3RA	4.8×4.8	3.0	1.0~150	10~500	0.28~2.7	15~845	2000
C5-K1.8R	5.6×5.6	1.9	1.0~150	10~500	0.31~3.5	25~1210	2000
C5-K1.8RA	5.6×5.6	1.9	1.0~150	10~500	0.33~3.1	25~1850	2000
C5-K2.5R	5.6×5.6	2.6	1.2~150	10~500	0.32~3.4	15~867	2000
C5-K3R	5.6×5.6	3.0	1.0~150	10~500	0.32~3.8	16~645	2000
C5-K3RA	5.6×5.6	3.0	1.0~150	10~500	0.40~3.7	17~850	2000
C6-K1.8R	6.6×6.6	1.9	1.0~150	10~500	0.48~5.0	24~1360	1000
C6-K3L	6.6×6.6	3.2	1.0~150	10~500	0.4~5.5	9~539	1000
C6-K3LA	6.6×6.6	3.2	1.2~150	10~500	0.55~5.6	16~685	1000
C6-K5LA	6.6×6.6	5.0	1.0~100	10~500	0.8~7.0	10~510	500
C8-K4L	8×8	4.0	1.0~150	10~500	0.73~7.0	10~421	500
C8-K5L	8×8	5.0	1.0~150	10~500	0.73~7.0	10~348	500
C8-K5LA	8×8	5.0	1.2~150	10~500	1.1~10.3	11~438	500
C10-K3L	10×10	3.0	1.2~150	10~500	0.7~6.2	16~696	500
C10-K4L	10×10	4.0	1.0~150	10~500	0.85~7.1	11~313	500
C12-K4.5L	11.5×11.5	4.5	1.0~150	10~500	1.2~7.1	7~430	500
C12-K7.5L	11.5×11.5	7.5	1.0~150	10~500	2.2~23.5	6~136	400
C13-K4.5L	13×13	4.5	1.0~150	10~500	1.33~11.02	8~339	500

DATA LIST (C3-K1.5L Series)

C3-K1.5L (Height : 1.5mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DE	2R2	2.2	±30	1kHz	—	60	0.85	1.10
DF	2R7	2.7	±30	1kHz	—	70	0.70	1.02
DG	3R3	3.3	±30	1kHz	—	80	0.66	0.96
DH	3R9	3.9	±30	1kHz	—	90	0.60	0.90
DJ	4R7	4.7	±30	1kHz	—	95	0.53	0.84
DK	5R6	5.6	±30	1kHz	—	100	0.50	0.78
DL	6R8	6.8	±30	1kHz	—	110	0.48	0.73
DM	8R2	8.2	±30	1kHz	—	120	0.45	0.68
EA	100	10	±20	1kHz	—	160	0.40	0.60
EB	120	12	±20	1kHz	—	225	0.34	0.54
EC	150	15	±20	1kHz	—	250	0.32	0.51
ED	180	18	±20	1kHz	—	260	0.30	0.48
EE	220	22	±20	1kHz	—	300	0.28	0.40
EF	270	27	±20	1kHz	—	430	0.24	0.38
EG	330	33	±20	1kHz	—	490	0.21	0.36
EH	390	39	±20	1kHz	—	610	0.20	0.32
EJ	470	47	±20	1kHz	—	740	0.18	0.30
EK	560	56	±20	1kHz	—	950	0.16	0.28
EL	680	68	±20	1kHz	—	1050	0.14	0.26

DATA LIST (C3-K1.8L Series)

C3-K1.8L (Height : 1.8mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DB	1R2	1.2	±30	1kHz	—	25	1.80	2.30
DD	1R8	1.8	±30	1kHz	—	30	1.55	2.10
DE	2R2	2.2	±30	1kHz	—	43	1.35	1.90
DF	2R7	2.7	±30	1kHz	—	47	1.25	1.80
DG	3R3	3.3	±30	1kHz	—	55	1.15	1.70
DH	3R9	3.9	±30	1kHz	—	65	1.05	1.50
DJ	4R7	4.7	±30	1kHz	—	75	0.92	1.40
DK	5R6	5.6	±30	1kHz	—	100	0.86	1.20
DL	6R8	6.8	±30	1kHz	—	110	0.81	1.10
DM	8R2	8.2	±30	1kHz	—	120	0.78	1.00
EA	100	10	±20	1kHz	—	160	0.70	0.90
EB	120	12	±20	1kHz	—	175	0.65	0.82
EC	150	15	±20	1kHz	—	210	0.58	0.75
ED	180	18	±20	1kHz	—	275	0.52	0.65
EE	220	22	±20	1kHz	—	300	0.46	0.60
EF	270	27	±20	1kHz	—	390	0.42	0.52
EG	330	33	±20	1kHz	—	520	0.38	0.46
EH	390	39	±20	1kHz	—	560	0.35	0.42
EJ	470	47	±20	1kHz	—	775	0.31	0.36
EK	560	56	±20	1kHz	—	860	0.29	0.33
EL	680	68	±20	1kHz	—	980	0.27	0.30

DATA LIST (C4-K1.8R Series)

C4-K1.8R (Height : 1.9mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	18	2.40	3.20
DC	1R5	1.5	±30	1kHz	—	23	2.20	2.70
DE	2R2	2.2	±30	1kHz	—	29	2.00	2.40
DF	2R7	2.7	±30	1kHz	—	34	1.80	2.30
DG	3R3	3.3	±30	1kHz	—	39	1.70	2.20
DH	3R9	3.9	±30	1kHz	—	53	1.50	2.10
DJ	4R7	4.7	±30	1kHz	—	57	1.40	1.90
DK	5R6	5.6	±30	1kHz	—	65	1.30	1.80
DL	6R8	6.8	±30	1kHz	—	82	1.20	1.60
DM	8R2	8.2	±30	1kHz	—	95	1.10	1.55
EA	100	10	±20	1kHz	—	110	0.98	1.25
EB	120	12	±20	1kHz	—	117	0.88	1.20
EC	150	15	±20	1kHz	—	165	0.80	1.10
ED	180	18	±20	1kHz	—	185	0.75	1.05
EE	220	22	±20	1kHz	—	212	0.70	1.00
EF	270	27	±20	1kHz	—	288	0.60	0.80
EG	330	33	±20	1kHz	—	345	0.52	0.70
EH	390	39	±20	1kHz	—	487	0.45	0.60
EJ	470	47	±20	1kHz	—	545	0.40	0.55
EK	560	56	±20	1kHz	—	595	0.35	0.53
EL	680	68	±20	1kHz	—	693	0.33	0.50
EM	820	82	±20	1kHz	—	850	0.31	0.45
FA	101	100	±20	1kHz	—	1030	0.29	0.38
FB	121	120	±20	1kHz	—	1260	0.25	0.32
FC	151	150	±20	1kHz	—	1420	0.22	0.30

DATA LIST (C4-K1.8RA Series)

C4-K1.8RA (Height : 1.9mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	22	3.50	2.30
DC	1R5	1.5	±30	1kHz	—	26	3.10	2.10
DD	1R8	1.8	±30	1kHz	—	32	2.80	2.00
DF	2R7	2.7	±30	1kHz	—	39	2.20	1.80
DG	3R3	3.3	±30	1kHz	—	52	2.10	1.50
DH	3R9	3.9	±30	1kHz	—	70	2.00	1.30
DJ	4R7	4.7	±30	1kHz	—	80	1.90	1.20
DK	5R6	5.6	±30	1kHz	—	86	1.70	1.15
DL	6R8	6.8	±30	1kHz	—	97	1.50	1.05
DM	8R2	8.2	±30	1kHz	—	137	1.40	0.90
EA	100	10	±20	1kHz	—	147	1.30	0.82
EB	120	12	±20	1kHz	—	181	1.10	0.71
EC	150	15	±20	1kHz	—	244	0.96	0.59
ED	180	18	±20	1kHz	—	271	0.93	0.56
EE	220	22	±20	1kHz	—	305	0.82	0.50
EF	270	27	±20	1kHz	—	375	0.73	0.44
EG	330	33	±20	1kHz	—	510	0.65	0.42
EH	390	39	±20	1kHz	—	550	0.61	0.38
EJ	470	47	±20	1kHz	—	635	0.57	0.35
EK	560	56	±20	1kHz	—	740	0.51	0.32
EL	680	68	±20	1kHz	—	1110	0.46	0.28
EM	820	82	±20	1kHz	—	1230	0.43	0.26
FA	101	100	±20	1kHz	—	1345	0.41	0.24
FB	121	120	±20	1kHz	—	1550	0.37	0.22
FC	151	150	±20	1kHz	—	2100	0.31	0.19

DATA LIST (C4-K3R Series)

C4-K3R (Height : 3mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	12	1.95	4.00
DC	1R5	1.5	±30	1kHz	—	15	1.80	3.80
DD	1R8	1.8	±30	1kHz	—	18	1.50	3.50
DF	2R7	2.7	±30	1kHz	—	20	1.20	3.20
DG	3R3	3.3	±30	1kHz	—	23	1.05	3.00
DH	3R9	3.9	±30	1kHz	—	25	0.95	2.80
DJ	4R7	4.7	±30	1kHz	—	29	0.88	2.60
DK	5R6	5.6	±30	1kHz	—	32	0.81	2.40
DL	6R8	6.8	±30	1kHz	—	35	0.72	2.20
DM	8R2	8.2	±30	1kHz	—	45	0.67	2.00
EA	100	10	±20	1kHz	—	49	0.65	1.90
EB	120	12	±20	1kHz	—	55	0.57	1.75
EC	150	15	±20	1kHz	—	76	0.48	1.50
ED	180	18	±20	1kHz	—	82	0.45	1.40
EE	220	22	±20	1kHz	—	93	0.42	1.30
EF	270	27	±20	1kHz	—	125	0.36	1.25
EG	330	33	±20	1kHz	—	138	0.34	1.15
EH	390	39	±20	1kHz	—	155	0.31	1.05
EJ	470	47	±20	1kHz	—	205	0.28	0.85
EK	560	56	±20	1kHz	—	230	0.25	0.81
EL	680	68	±20	1kHz	—	255	0.23	0.78
EM	820	82	±20	1kHz	—	350	0.21	0.63
FA	101	100	±20	1kHz	—	388	0.20	0.60
FB	121	120	±20	1kHz	—	445	0.19	0.57
FC	151	150	±20	1kHz	—	655	0.16	0.42

DATA LIST (C4-K3RA Series)

C4-K3RA (Height : 3mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	15	2.70	4.00
DC	1R5	1.5	±30	1kHz	—	18	2.50	3.60
DE	2R2	2.2	±30	1kHz	—	21	2.20	3.30
DF	2R7	2.7	±30	1kHz	—	24	2.00	3.00
DG	3R3	3.3	±30	1kHz	—	27	1.85	2.70
DH	3R9	3.9	±30	1kHz	—	31	1.70	2.40
DJ	4R7	4.7	±30	1kHz	—	40	1.50	2.20
DK	5R6	5.6	±30	1kHz	—	45	1.30	1.90
DL	6R8	6.8	±30	1kHz	—	58	1.20	1.70
DM	8R2	8.2	±30	1kHz	—	65	1.10	1.60
EA	100	10	±20	1kHz	—	72	1.05	1.50
EB	120	12	±20	1kHz	—	79	0.95	1.45
EC	150	15	±20	1kHz	—	105	0.85	1.25
ED	180	18	±20	1kHz	—	118	0.83	1.15
EE	220	22	±20	1kHz	—	135	0.80	1.05
EF	270	27	±20	1kHz	—	184	0.65	0.90
EG	330	33	±20	1kHz	—	208	0.59	0.82
EH	390	39	±20	1kHz	—	228	0.56	0.75
EJ	470	47	±20	1kHz	—	258	0.53	0.65
EK	560	56	±20	1kHz	—	345	0.44	0.56
EL	680	68	±20	1kHz	—	385	0.40	0.46
EM	820	82	±20	1kHz	—	530	0.36	0.44
FA	101	100	±20	1kHz	—	630	0.33	0.42
FB	121	120	±20	1kHz	—	727	0.31	0.40
FC	151	150	±20	1kHz	—	845	0.28	0.38

DATA LIST (C5-K1.8R Series)

C5-K1.8R (Height : 1.9mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	25	3.50	3.10
DC	1R5	1.5	±30	1kHz	—	30	2.70	2.70
DE	2R2	2.2	±30	1kHz	—	35	2.20	2.60
DG	3R3	3.3	±30	1kHz	—	39	2.00	2.40
DH	3R9	3.9	±30	1kHz	—	49	1.75	2.20
DJ	4R7	4.7	±30	1kHz	—	54	1.60	1.90
DK	5R6	5.6	±30	1kHz	—	63	1.50	1.75
DL	6R8	6.8	±30	1kHz	—	68	1.40	1.65
DM	8R2	8.2	±30	1kHz	—	79	1.35	1.55
EA	100	10	±20	1kHz	—	85	1.10	1.45
EB	120	12	±20	1kHz	—	108	0.97	1.30
EC	150	15	±20	1kHz	—	120	0.94	1.20
ED	180	18	±20	1kHz	—	158	0.84	1.05
EE	220	22	±20	1kHz	—	182	0.78	0.97
EF	270	27	±20	1kHz	—	231	0.68	0.82
EG	330	33	±20	1kHz	—	287	0.61	0.77
EH	390	39	±20	1kHz	—	315	0.57	0.73
EJ	470	47	±20	1kHz	—	460	0.52	0.62
EK	560	56	±20	1kHz	—	503	0.47	0.59
EL	680	68	±20	1kHz	—	572	0.41	0.55
EM	820	82	±20	1kHz	—	828	0.37	0.45
FA	101	100	±20	1kHz	—	925	0.35	0.42
FB	121	120	±20	1kHz	—	1030	0.33	0.40
FC	151	150	±20	1kHz	—	1210	0.31	0.38

DATA LIST (C5-K1.8RA Series)

C5-K1.8RA (Height : 1.9mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	25	3.10	3.10
DC	1R5	1.5	±30	1kHz	—	32	2.70	2.70
DE	2R2	2.2	±30	1kHz	—	38	2.50	2.50
DF	2R7	2.7	±30	1kHz	—	44	2.30	2.25
DH	3R9	3.9	±30	1kHz	—	50	2.05	2.05
DJ	4R7	4.7	±30	1kHz	—	56	1.95	1.95
DK	5R6	5.6	±30	1kHz	—	66	1.85	1.80
DL	6R8	6.8	±30	1kHz	—	83	1.65	1.65
DM	8R2	8.2	±30	1kHz	—	98	1.50	1.50
EA	100	10	±20	1kHz	—	115	1.35	1.30
EB	120	12	±20	1kHz	—	130	1.25	1.25
EC	150	15	±20	1kHz	—	155	1.15	1.15
ED	180	18	±20	1kHz	—	174	1.05	1.05
EE	220	22	±20	1kHz	—	229	0.91	0.90
EF	270	27	±20	1kHz	—	282	0.83	0.82
EG	330	33	±20	1kHz	—	353	0.74	0.73
EH	390	39	±20	1kHz	—	450	0.69	0.68
EJ	470	47	±20	1kHz	—	588	0.62	0.60
EK	560	56	±20	1kHz	—	620	0.57	0.55
EL	680	68	±20	1kHz	—	695	0.52	0.50
EM	820	82	±20	1kHz	—	930	0.47	0.45
FA	101	100	±20	1kHz	—	1195	0.42	0.39
FB	121	120	±20	1kHz	—	1331	0.38	0.35
FC	151	150	±20	1kHz	—	1850	0.33	0.30

DATA LIST (C5-K2.5R Series)

C5-K2.5R (Height : 2.6mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DB	1R2	1.2	±30	1kHz	—	15	3.40	4.00
DD	1R8	1.8	±30	1kHz	—	18	2.90	3.70
DE	2R2	2.2	±30	1kHz	—	22	2.40	3.30
DG	3R3	3.3	±30	1kHz	—	27	2.10	2.90
DH	3R9	3.9	±30	1kHz	—	32	1.90	2.70
DJ	4R7	4.7	±30	1kHz	—	37	1.80	2.50
DK	5R6	5.6	±30	1kHz	—	45	1.60	2.30
DL	6R8	6.8	±30	1kHz	—	50	1.50	2.10
DM	8R2	8.2	±30	1kHz	—	60	1.40	1.80
EA	100	10	±20	1kHz	—	68	1.30	1.70
EB	120	12	±20	1kHz	—	77	1.15	1.40
EC	150	15	±20	1kHz	—	104	1.00	1.20
ED	180	18	±20	1kHz	—	128	0.87	1.10
EE	220	22	±20	1kHz	—	147	0.75	1.05
EF	270	27	±20	1kHz	—	197	0.67	0.85
EG	330	33	±20	1kHz	—	220	0.62	0.78
EH	390	39	±20	1kHz	—	245	0.57	0.74
EJ	470	47	±20	1kHz	—	342	0.54	0.68
EK	560	56	±20	1kHz	—	384	0.51	0.63
EL	680	68	±20	1kHz	—	421	0.47	0.58
EM	820	82	±20	1kHz	—	469	0.43	0.55
FA	101	100	±20	1kHz	—	657	0.40	0.43
FB	121	120	±20	1kHz	—	755	0.36	0.40
FC	151	150	±20	1kHz	—	867	0.32	0.36

DATA LIST (C5-K3R Series)

C5-K3R (Height : 3mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	16	3.80	4.00
DC	1R5	1.5	±30	1kHz	—	19	3.20	3.60
DE	2R2	2.2	±30	1kHz	—	22	2.80	3.20
DF	2R7	2.7	±30	1kHz	—	26	2.40	2.80
DG	3R3	3.3	±30	1kHz	—	28	2.20	2.70
DJ	4R7	4.7	±30	1kHz	—	35	1.65	2.50
DK	5R6	5.6	±30	1kHz	—	38	1.55	2.20
DL	6R8	6.8	±30	1kHz	—	43	1.40	2.10
DM	8R2	8.2	±30	1kHz	—	47	1.30	2.00
EA	100	10	±20	1kHz	—	53	1.15	1.90
EB	120	12	±20	1kHz	—	67	1.05	1.70
EC	150	15	±20	1kHz	—	78	0.92	1.60
ED	180	18	±20	1kHz	—	98	0.87	1.45
EE	220	22	±20	1kHz	—	105	0.83	1.25
EF	270	27	±20	1kHz	—	128	0.70	1.10
EG	330	33	±20	1kHz	—	180	0.65	0.88
EH	390	39	±20	1kHz	—	205	0.60	0.77
EJ	470	47	±20	1kHz	—	255	0.53	0.75
EK	560	56	±20	1kHz	—	285	0.48	0.70
EL	680	68	±20	1kHz	—	316	0.45	0.67
EM	820	82	±20	1kHz	—	445	0.42	0.55
FA	101	100	±20	1kHz	—	495	0.38	0.49
FB	121	120	±20	1kHz	—	570	0.35	0.45
FC	151	150	±20	1kHz	—	645	0.32	0.36

DATA LIST (C5-K3RA Series)

C5-K3RA (Height : 3mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	17	3.70	3.90
DC	1R5	1.5	±30	1kHz	—	20	3.30	3.50
DE	2R2	2.2	±30	1kHz	—	23	3.10	3.20
DF	2R7	2.7	±30	1kHz	—	27	2.70	2.80
DH	3R9	3.9	±30	1kHz	—	30	2.20	2.70
DJ	4R7	4.7	±30	1kHz	—	35	2.10	2.50
DK	5R6	5.6	±30	1kHz	—	41	2.00	2.40
DL	6R8	6.8	±30	1kHz	—	50	1.90	2.20
DM	8R2	8.2	±30	1kHz	—	55	1.85	2.15
EA	100	10	±20	1kHz	—	60	1.80	2.10
EB	120	12	±20	1kHz	—	80	1.40	1.60
EC	150	15	±20	1kHz	—	100	1.25	1.55
ED	180	18	±20	1kHz	—	115	1.20	1.45
EE	220	22	±20	1kHz	—	145	1.10	1.40
EF	270	27	±20	1kHz	—	170	1.00	1.20
EG	330	33	±20	1kHz	—	200	0.90	0.95
EH	390	39	±20	1kHz	—	265	0.75	0.90
EJ	470	47	±20	1kHz	—	295	0.70	0.80
EK	560	56	±20	1kHz	—	352	0.63	0.76
EL	680	68	±20	1kHz	—	393	0.61	0.71
EM	820	82	±20	1kHz	—	490	0.52	0.65
FA	101	100	±20	1kHz	—	550	0.50	0.60
FB	121	120	±20	1kHz	—	666	0.45	0.55
FC	151	150	±20	1kHz	—	850	0.40	0.50

DATA LIST (C6-K1.8R Series)

C6-K1.8R (Height : 1.9mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	24	5.00	3.10
DC	1R5	1.5	±30	1kHz	—	31	4.00	2.40
DE	2R2	2.2	±30	1kHz	—	35	3.10	2.10
DG	3R3	3.3	±30	1kHz	—	46	2.90	1.90
DH	3R9	3.9	±30	1kHz	—	54	2.80	1.80
DJ	4R7	4.7	±30	1kHz	—	58	2.50	1.70
DK	5R6	5.6	±30	1kHz	—	70	2.30	1.60
DL	6R8	6.8	±30	1kHz	—	79	2.20	1.50
DM	8R2	8.2	±30	1kHz	—	94	2.00	1.45
EA	100	10	±20	1kHz	—	105	1.80	1.40
EB	120	12	±20	1kHz	—	123	1.60	1.35
EC	150	15	±20	1kHz	—	135	1.40	1.30
ED	180	18	±20	1kHz	—	183	1.30	1.05
EE	220	22	±20	1kHz	—	210	1.20	1.00
EF	270	27	±20	1kHz	—	280	1.10	0.90
EG	330	33	±20	1kHz	—	320	1.00	0.85
EH	390	39	±20	1kHz	—	355	0.90	0.75
EJ	470	47	±20	1kHz	—	430	0.80	0.67
EK	560	56	±20	1kHz	—	485	0.75	0.64
EL	680	68	±20	1kHz	—	615	0.68	0.60
EM	820	82	±20	1kHz	—	685	0.62	0.55
FA	101	100	±20	1kHz	—	1050	0.55	0.44
FB	121	120	±20	1kHz	—	1170	0.51	0.40
FC	151	150	±20	1kHz	—	1360	0.48	0.36

DATA LIST (C6-K3L Series)

C6-K3L (Height : 3.2mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	9	5.50	—
DC	1R5	1.5	±30	1kHz	—	11	4.60	—
DE	2R2	2.2	±30	1kHz	—	13	4.10	—
DG	3R3	3.3	±30	1kHz	—	17	3.30	—
DH	3R9	3.9	±30	1kHz	—	18	2.60	—
DJ	4R7	4.7	±30	1kHz	—	20	2.40	—
DL	6R8	6.8	±30	1kHz	—	24	1.90	—
DM	8R2	8.2	±30	1kHz	—	27	1.80	—
EA	100	10	±30	1kHz	—	31	1.60	—
EB	120	12	±20	1kHz	—	100	1.40	—
EC	150	15	±20	1kHz	—	121	1.30	—
ED	180	18	±20	1kHz	—	125	1.20	—
EE	220	22	±20	1kHz	—	143	1.10	—
EF	270	27	±20	1kHz	—	160	1.00	—
EG	330	33	±20	1kHz	—	176	0.90	—
EH	390	39	±20	1kHz	—	195	0.80	—
EJ	470	47	±20	1kHz	—	213	0.73	—
EK	560	56	±20	1kHz	—	244	0.70	—
EL	680	68	±20	1kHz	—	274	0.50	—
EM	820	82	±20	1kHz	—	306	0.45	—
FA	101	100	±20	1kHz	—	385	0.43	—
FB	121	120	±20	1kHz	—	463	0.42	—
FC	151	150	±20	1kHz	—	539	0.40	—

DATA LIST (C6-K3LA Series)

C6-K3LA (Height : 3.2mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DB	1R2	1.2	±30	1kHz	—	16	5.6	—
DD	1R8	1.8	±30	1kHz	—	20	4.8	—
DF	2R7	2.7	±30	1kHz	—	23	4.0	—
DG	3R3	3.3	±30	1kHz	—	27	3.6	—
DJ	4R7	4.7	±30	1kHz	—	30	3.3	—
DK	5R6	5.6	±30	1kHz	—	34	3.0	—
DL	6R8	6.8	±30	1kHz	—	38	2.7	—
DM	8R2	8.2	±30	1kHz	—	42	2.3	—
EA	100	10	±20	1kHz	—	52	2.1	—
EB	120	12	±20	1kHz	—	61	1.9	—
EC	150	15	±20	1kHz	—	73	1.8	—
ED	180	18	±20	1kHz	—	80	1.7	—
EE	220	22	±20	1kHz	—	125	1.5	—
EF	270	27	±20	1kHz	—	131	1.3	—
EG	330	33	±20	1kHz	—	188	1.2	—
EH	390	39	±20	1kHz	—	204	1.0	—
EJ	470	47	±20	1kHz	—	222	0.90	—
EK	560	56	±20	1kHz	—	251	0.84	—
EL	680	68	±20	1kHz	—	282	0.80	—
EM	820	82	±20	1kHz	—	374	0.75	—
FA	101	100	±20	1kHz	—	458	0.70	—
FB	121	120	±20	1kHz	—	545	0.60	—
FC	151	150	±20	1kHz	—	685	0.55	—

DATA LIST (C6-K5LA Series)

C6-K5LA (Height : 5mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ40K typ.
DA	1R0	1.0	±30	1kHz	—	10	7.0	5.2
DC	1R5	1.5	±30	1kHz	—	12	6.2	4.9
DE	2R2	2.2	±30	1kHz	—	14	5.5	4.5
DG	3R3	3.3	±30	1kHz	—	18	4.8	4.3
DH	3R9	3.9	±30	1kHz	—	22	4.3	4.0
DJ	4R7	4.7	±30	1kHz	—	34	3.9	3.4
DL	6R8	6.8	±30	1kHz	—	40	3.60	3.00
DM	8R2	8.2	±30	1kHz	—	45	3.40	2.80
EA	100	10	±30	1kHz	—	50	3.10	2.60
EB	120	12	±30	1kHz	—	55	2.90	2.50
EC	150	15	±20	1kHz	—	60	2.70	2.40
ED	180	18	±20	1kHz	—	80	2.20	2.20
EE	220	22	±20	1kHz	—	90	2.10	2.10
EF	270	27	±20	1kHz	—	100	2.00	1.90
EG	330	33	±20	1kHz	—	140	1.80	1.70
EH	390	39	±20	1kHz	—	160	1.60	1.60
EJ	470	47	±20	1kHz	—	180	1.40	1.40
EK	560	56	±20	1kHz	—	205	1.30	1.30
EL	680	68	±20	1kHz	—	340	1.05	1.10
EM	820	82	±20	1kHz	—	485	0.90	0.90
FA	101	100	±20	1kHz	—	510	0.80	0.85

DATA LIST (C8-K4L Series)

C8-K4L (Height : 4mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	10	7.0	—
DC	1R5	1.5	±30	1kHz	—	12	6.5	—
DE	2R2	2.2	±30	1kHz	—	14	5.6	—
DF	2R7	2.7	±30	1kHz	—	16	5.2	—
DH	3R9	3.9	±30	1kHz	—	18	4.3	—
DJ	4R7	4.7	±30	1kHz	—	21	4.2	—
DK	5R6	5.6	±30	1kHz	—	23	4.1	—
DL	6R8	6.8	±30	1kHz	—	28	3.5	—
DM	8R2	8.2	±30	1kHz	—	33	3.1	—
EA	100	10	±20	1kHz	—	38	2.7	—
EB	120	12	±20	1kHz	—	44	2.6	—
EC	150	15	±20	1kHz	—	50	2.3	—
ED	180	18	±20	1kHz	—	54	2.2	—
EE	220	22	±20	1kHz	—	78	1.9	—
EF	270	27	±20	1kHz	—	89	1.5	—
EG	330	33	±20	1kHz	—	111	1.4	—
EH	390	39	±20	1kHz	—	121	1.3	—
EJ	470	47	±20	1kHz	—	142	1.2	—
EK	560	56	±20	1kHz	—	155	1.1	—
EL	680	68	±20	1kHz	—	200	1.05	—
EM	820	82	±20	1kHz	—	250	1.00	—
FA	101	100	±20	1kHz	—	310	0.95	—
FB	121	120	±20	1kHz	—	341	0.82	—
FC	151	150	±20	1kHz	—	421	0.73	—

DATA LIST (C8-K5L Series)

C8-K5L (Height : 5mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	10	7.0	—
DC	1R5	1.5	±30	1kHz	—	12	6.5	—
DE	2R2	2.2	±30	1kHz	—	14	5.6	—
DF	2R7	2.7	±30	1kHz	—	16	5.2	—
DH	3R9	3.9	±30	1kHz	—	18	4.3	—
DJ	4R7	4.7	±30	1kHz	—	20	4.2	—
DK	5R6	5.6	±30	1kHz	—	22	4.1	—
DL	6R8	6.8	±30	1kHz	—	26	3.5	—
DM	8R2	8.2	±30	1kHz	—	28	3.1	—
EA	100	10	±20	1kHz	—	31	2.7	—
EB	120	12	±20	1kHz	—	34	2.6	—
EC	150	15	±20	1kHz	—	40	2.3	—
ED	180	18	±20	1kHz	—	46	2.2	—
EE	220	22	±20	1kHz	—	53	1.9	—
EF	270	27	±20	1kHz	—	64	1.5	—
EG	330	33	±20	1kHz	—	74	1.4	—
EH	390	39	±20	1kHz	—	86	1.3	—
EJ	470	47	±20	1kHz	—	100	1.2	—
EK	560	56	±20	1kHz	—	128	1.1	—
EL	680	68	±20	1kHz	—	150	1.1	—
EM	820	82	±20	1kHz	—	174	1.00	—
FA	101	100	±20	1kHz	—	209	0.95	—
FB	121	120	±20	1kHz	—	260	0.82	—
FC	151	150	±20	1kHz	—	348	0.73	—

DATA LIST (C8-K5LA Series)

C8-K5LA (Height : 5mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -30% typ.	Temp. Δ40K typ.
DB	1R2	1.2	±30	1kHz	—	11	10.3	7.00
DD	1R8	1.8	±30	1kHz	—	12	9.0	6.20
DE	2R2	2.2	±30	1kHz	—	16	7.5	5.80
DG	3R3	3.3	±30	1kHz	—	19	6.8	5.00
DH	3R9	3.9	±30	1kHz	—	25	5.7	4.30
DJ	4R7	4.7	±30	1kHz	—	27	5.5	4.00
DK	5R6	5.6	±30	1kHz	—	35	4.8	3.50
DL	6R8	6.8	±30	1kHz	—	38	4.5	3.30
DM	8R2	8.2	±30	1kHz	—	42	4.2	3.10
EA	100	10	±20	1kHz	—	55	3.6	2.80
EB	120	12	±20	1kHz	—	60	3.40	2.70
EC	150	15	±20	1kHz	—	65	3.20	2.60
ED	180	18	±20	1kHz	—	77	2.80	2.30
EE	220	22	±20	1kHz	—	88	2.60	2.20
EF	270	27	±20	1kHz	—	112	2.40	1.90
EG	330	33	±20	1kHz	—	124	2.20	1.70
EH	390	39	±20	1kHz	—	134	2.10	1.60
EJ	470	47	±20	1kHz	—	160	1.80	1.50
EK	560	56	±20	1kHz	—	226	1.60	1.30
EL	680	68	±20	1kHz	—	250	1.50	1.10
EM	820	82	±20	1kHz	—	317	1.40	1.05
FA	101	100	±20	1kHz	—	352	1.30	0.95
FB	121	120	±20	1kHz	—	392	1.2	0.90
FC	151	150	±20	1kHz	—	438	1.1	0.85

DATA LIST (C10-K3L Series)

C10-K3L (Height : 3mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ40K typ.
DB	1R2	1.2	±30	1kHz	—	16	6.20	5.40
DD	1R8	1.8	±30	1kHz	—	21	5.60	4.80
DF	2R7	2.7	±30	1kHz	—	27	4.90	4.30
DH	3R9	3.9	±30	1kHz	—	29	4.30	3.70
DJ	4R7	4.7	±30	1kHz	—	35	3.90	3.60
DK	5R6	5.6	±30	1kHz	—	43	3.60	3.30
DM	8R2	8.2	±30	1kHz	—	48	3.20	3.20
EA	100	10	±20	1kHz	—	52	2.90	2.80
EB	120	12	±20	1kHz	—	68	2.60	2.60
EC	150	15	±20	1kHz	—	79	2.35	2.30
ED	180	18	±20	1kHz	—	98	2.20	2.25
EE	220	22	±20	1kHz	—	101	2.00	1.95
EF	270	27	±20	1kHz	—	131	1.85	1.80
EG	330	33	±20	1kHz	—	147	1.70	1.80
EH	390	39	±20	1kHz	—	194	1.55	1.75
EJ	470	47	±20	1kHz	—	219	1.40	1.65
EK	560	56	±20	1kHz	—	303	1.35	1.40
EL	680	68	±20	1kHz	—	346	1.20	1.30
EM	820	82	±20	1kHz	—	373	1.10	0.95
FA	101	100	±20	1kHz	—	490	0.95	0.90
FB	121	120	±20	1kHz	—	560	0.85	0.85
FC	151	150	±20	1kHz	—	696	0.70	0.70

DATA LIST (C10-K4L Series)

C10-K4L (Height : 4mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	11	7.10	—
DC	1R5	1.5	±30	1kHz	—	13	5.40	—
DE	2R2	2.2	±30	1kHz	—	16	5.30	—
DG	3R3	3.3	±30	1kHz	—	18	4.90	—
DJ	4R7	4.7	±30	1kHz	—	21	4.60	—
DK	5R6	5.6	±30	1kHz	—	23	4.10	—
DL	6R8	6.8	±30	1kHz	—	27	3.50	—
DM	8R2	8.2	±30	1kHz	—	30	3.30	—
EA	100	10	±30	1kHz	—	33	3.00	—
EB	120	12	±30	1kHz	—	36	2.90	—
EC	150	15	±30	1kHz	—	39	2.60	—
ED	180	18	±30	1kHz	—	43	2.40	—
EE	220	22	±30	1kHz	—	57	2.10	—
EF	270	27	±20	1kHz	—	91	2.00	—
EG	330	33	±20	1kHz	—	103	1.80	—
EH	390	39	±20	1kHz	—	116	1.70	—
EJ	470	47	±20	1kHz	—	128	1.50	—
EK	560	56	±20	1kHz	—	141	1.40	—
EL	680	68	±20	1kHz	—	161	1.20	—
EM	820	82	±20	1kHz	—	213	1.10	—
FA	101	100	±20	1kHz	—	255	1.00	—
FB	121	120	±20	1kHz	—	274	0.95	—
FC	151	150	±20	1kHz	—	313	0.85	—

DATA LIST (C12-K4.5L Series)

C12-K4.5L (Height : 4.5mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	7	7.1	—
DC	1R5	1.5	±30	1kHz	—	9	6.8	—
DE	2R2	2.2	±30	1kHz	—	12	6.6	—
DG	3R3	3.3	±30	1kHz	—	15	6.4	—
DJ	4R7	4.7	±30	1kHz	—	18	6.2	—
DL	6R8	6.8	±30	1kHz	—	21	6.0	—
DM	8R2	8.2	±30	1kHz	—	23	5.5	—
EA	100	10	±30	1kHz	—	26	5.2	—
EB	120	12	±30	1kHz	—	40	4.0	—
EC	150	15	±30	1kHz	—	45	3.9	—
ED	180	18	±30	1kHz	—	54	3.8	—
EE	220	22	±30	1kHz	—	58	3.2	—
EF	270	27	±30	1kHz	—	71	2.8	—
EG	330	33	±30	1kHz	—	102	2.6	—
EH	390	39	±20	1kHz	—	109	2.4	—
EJ	470	47	±20	1kHz	—	148	2.2	—
EK	560	56	±20	1kHz	—	163	1.9	—
EL	680	68	±20	1kHz	—	211	1.8	—
EM	820	82	±20	1kHz	—	228	1.7	—
FA	101	100	±20	1kHz	—	256	1.5	—
FB	121	120	±20	1kHz	—	298	1.3	—
FC	151	150	±20	1kHz	—	430	1.2	—

DATA LIST (C12-K7.5L Series)

C12-K7.5L (Height : 7.5mm max.)

Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -30% typ.	Temp. Δ40K typ.
DA	1R0	1.0	±30	1kHz	—	6.3	23.50	12.00
DC	1R5	1.5	±30	1kHz	—	7.1	17.10	10.00
DF	2R7	2.7	±30	1kHz	—	8.5	15.50	9.00
DH	3R9	3.9	±30	1kHz	—	10.2	13.20	8.20
DJ	4R7	4.7	±30	1kHz	—	11.7	11.30	7.50
DL	6R8	6.8	±30	1kHz	—	13.1	10.10	6.80
DM	8R2	8.2	±30	1kHz	—	14.7	8.55	6.30
EA	100	10	±20	1kHz	—	18.1	7.55	5.80
EB	120	12	±20	1kHz	—	19.9	7.10	5.60
EC	150	15	±20	1kHz	—	21.2	6.50	5.40
ED	180	18	±20	1kHz	—	23.3	6.15	5.20
EE	220	22	±20	1kHz	—	26.1	5.75	5.00
EF	270	27	±20	1kHz	—	32.9	4.65	4.20
EG	330	33	±20	1kHz	—	40.9	4.50	3.80
EH	390	39	±20	1kHz	—	43.0	4.25	3.60
EJ	470	47	±20	1kHz	—	56.6	3.90	3.30
EK	560	56	±20	1kHz	—	61.5	3.55	3.10
EL	680	68	±20	1kHz	—	67.8	3.20	2.90
EM	820	82	±20	1kHz	—	81.2	2.80	2.80
FA	101	100	±20	1kHz	—	91.1	2.55	2.60
FB	121	120	±20	1kHz	—	118.8	2.40	2.40
FC	151	150	±20	1kHz	—	135.6	2.20	2.20

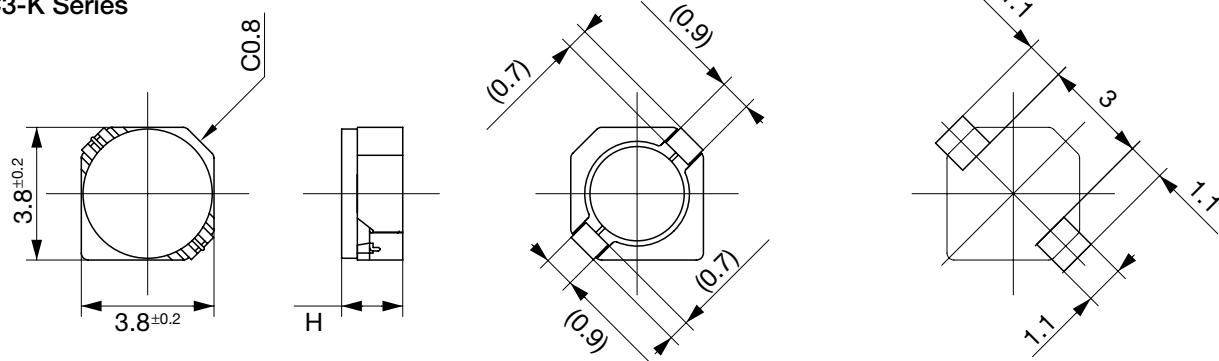
DATA LIST (C13-K4.5L Series)

C13-K4.5L (Height : 4.5mm max.)

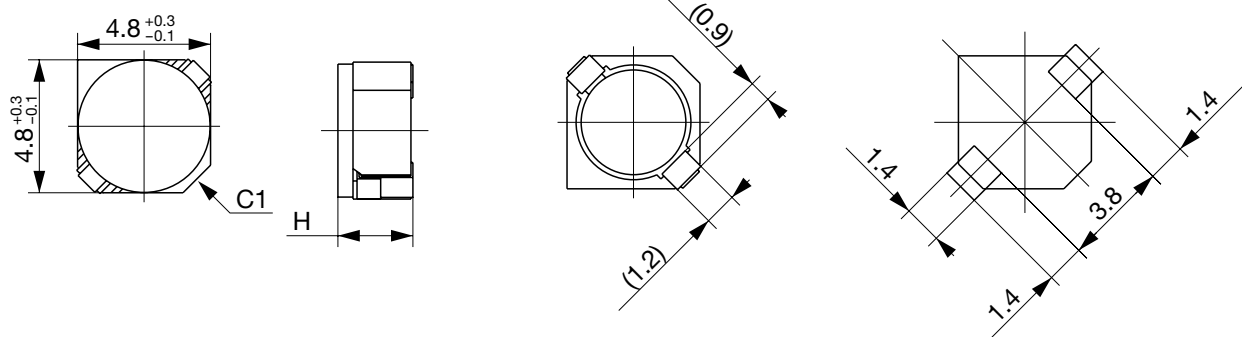
Item	Stamp	Inductance			SRF (MHz) min.	DCR (mΩ) typ.	DC Current (A)	
		(μH)	Tolerance (%)	Test Freq. (kHz)			Inductance -10% typ.	Temp. Δ25K typ.
DA	1R0	1.0	±30	1kHz	—	8	11.02	—
DC	1R5	1.5	±30	1kHz	—	10	9.21	—
DF	2R7	2.7	±30	1kHz	—	13	8.23	—
DH	3R9	3.9	±30	1kHz	—	18	7.08	—
DJ	4R7	4.7	±30	1kHz	—	22	6.36	—
DL	6R8	6.8	±30	1kHz	—	25	5.54	—
DM	8R2	8.2	±30	1kHz	—	28	5.07	—
EA	100	10	±30	1kHz	—	32	4.61	—
EB	120	12	±30	1kHz	—	36	4.25	—
EC	150	15	±30	1kHz	—	39	3.95	—
ED	180	18	±30	1kHz	—	43	3.68	—
EE	220	22	±30	1kHz	—	51	3.23	—
EF	270	27	±30	1kHz	—	59	3.00	—
EG	330	33	±30	1kHz	—	68	2.67	—
EH	390	39	±20	1kHz	—	151	2.33	—
EJ	470	47	±20	1kHz	—	171	2.10	—
EK	560	56	±20	1kHz	—	187	1.99	—
EL	680	68	±20	1kHz	—	215	1.80	—
EM	820	82	±20	1kHz	—	235	1.71	—
FA	101	100	±20	1kHz	—	265	1.57	—
FB	121	120	±20	1kHz	—	296	1.44	—
FC	151	150	±20	1kHz	—	339	1.33	—

DIMENSIONS

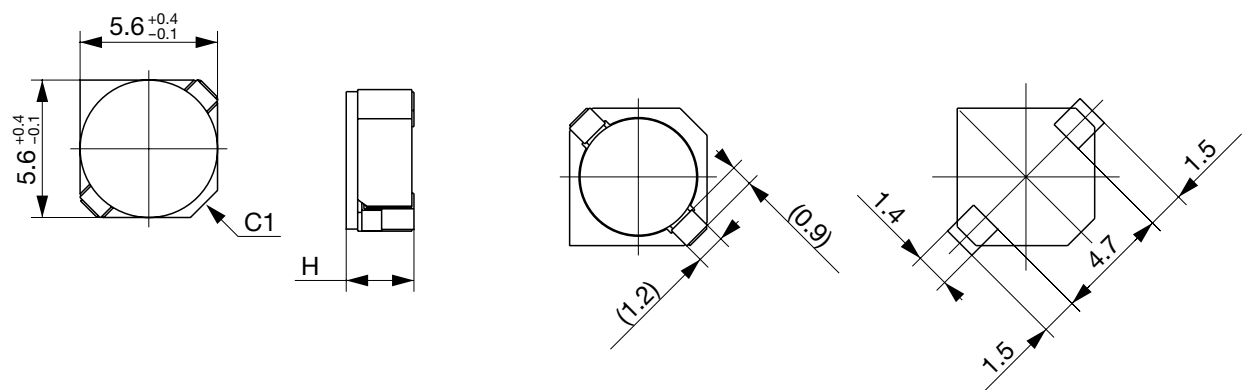
C3-K Series



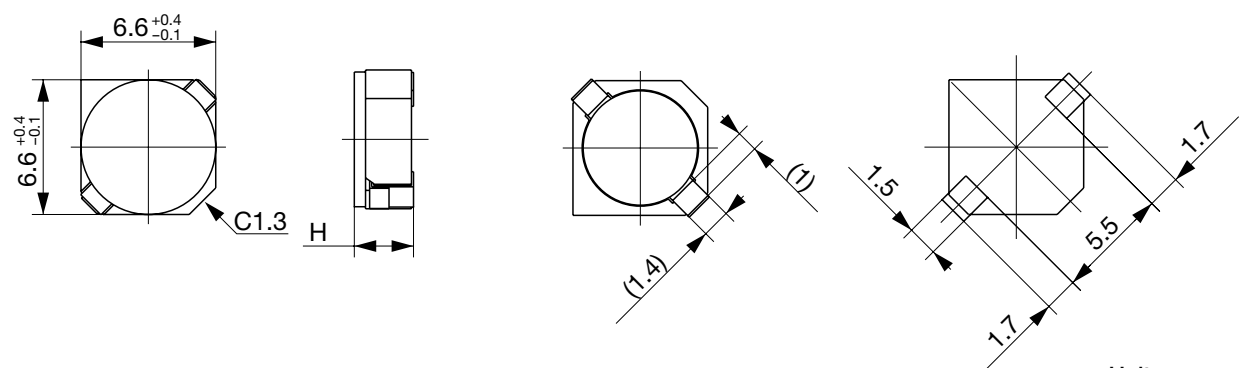
C4-K Series



C5-K Series

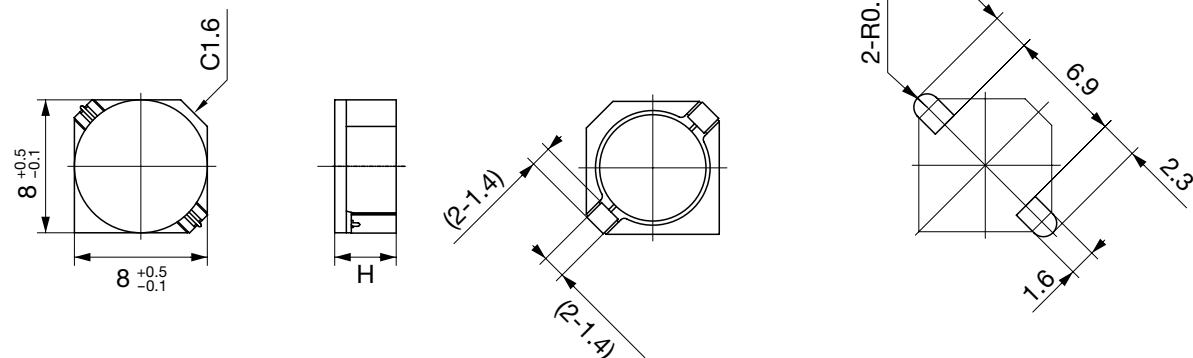


C6-K Series

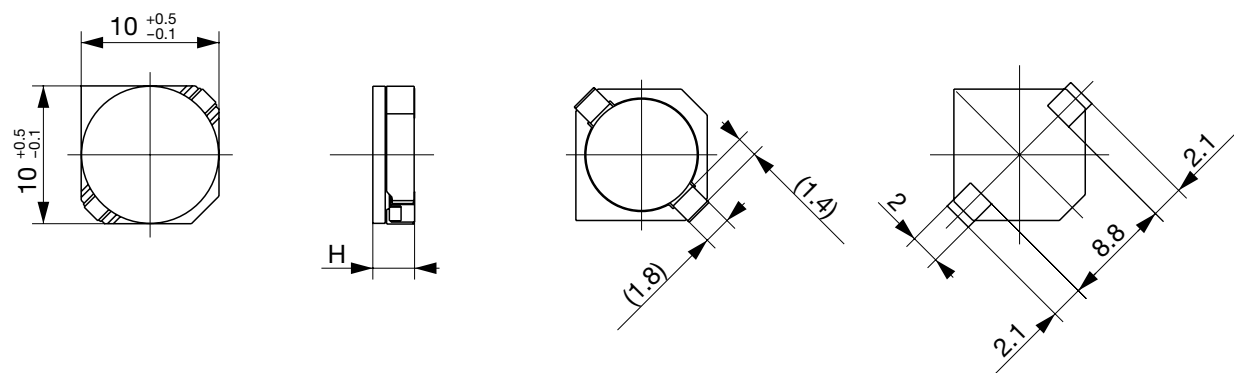


Unit : mm

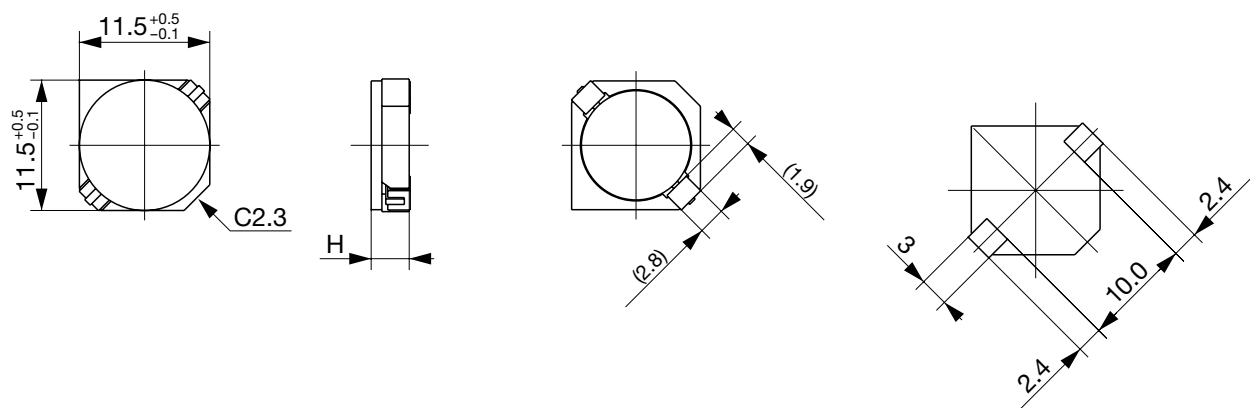
C8-K Series



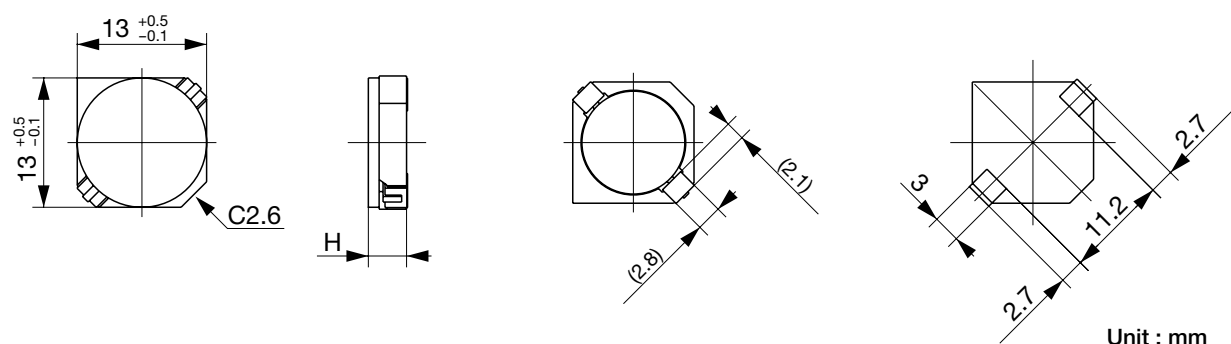
C10-K Series



C12-K Series



C13-K Series



Unit : mm