

SD SERIES

FEATURES

- 1. Leaching resistant terminations due to metal tebed electrodes.
- 2. Coils encapsulated in heat-proof resin makehigh accurate dimensions and resistant to mechanical shock or pressure.
- 3. High resistance to heat and humidity.

APPLICATIONS

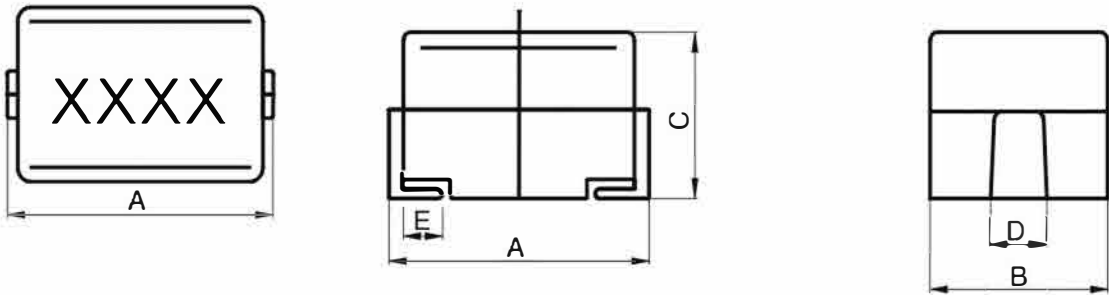
- 1. Personal computers.
- 2. Disk drives and computer peripherals.
- 3. Telecommunications devices.
- 4. VCD, DVD and TV circuits.
- 5. Test equipment.
- 6. Electronic control boards automobiles.



PART NUMBERING SYSTEM (品名系统)

SD	3	2	2	5	2	2	—	2	2	1	—	K	—	R	—	S	—	L	F
1	2							3	4				5						
TYPE		DIMENSIONS						INDUCTANCE			TOLERANCE			PACKING CODE					
								J: ± 5%, K: ± 10%, L: ± 15%, R: Tape&Reel(卷装) S: series(系列)											
								M: ± 20%, P: ± 25%, N: ± 30% B: In Bulk (散装) L: Lead Free(无铅)											
品名		尺寸						电感值			公差			包装					

SHAPES AND DIMENSIONS (形状及尺寸)



UNIT:mm

TYPE(型式)	A	B	C	D	E
SD252018(1008)	2.5±0.2	2.0±0.2	1.8±0.2	1.0±0.2	0.45
SD322522(1210)	3.2±0.2	2.5±0.2	2.2±0.2	1.2±0.2	0.5
SD453232(1812)	4.5±0.2	3.2±0.2	3.2±0.2	1.3±0.2	1.0

*所有产品的尺寸、电气性能均可按客户要求研发设计

SD SERIES

SD252018 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	TOLERANCE 公差	Q (min) 品质系数	SRF(min) (MHz) 自谐频率	DCR(max) (Ω) 直流电阻	IDC(max) (mA) 定格电流	TEST FREQUENCY 测试频率
SD252018-R12□	0.12	K(±10%) L(±15%) M(±20%)	30	600	0.37	520	25.2MHz
SD252018-R15□	0.15			550	0.42	480	
SD252018-R18□	0.18			500	0.46	460	
SD252018-R22□	0.22			450	0.52	430	
SD252018-R27□	0.27			425	0.56	420	
SD252018-R33□	0.33			400	0.60	400	
SD252018-R39□	0.39			375	0.65	375	
SD252018-R47□	0.47			350	0.68	350	
SD252018-R56□	0.56			300	0.75	325	
SD252018-R68□	0.68			270	0.85	300	
SD252018-R82□	0.82	J(±5%) K(±10%) L(±15%) M(±20%)	30	250	1.00	260	7.96MHz
SD252018-1R0□	1.0			220	1.10	245	
SD252018-1R2□	1.2			180	1.20	230	
SD252018-1R5□	1.5			135	1.30	220	
SD252018-1R8□	1.8			100	1.45	210	
SD252018-2R2□	2.2			75	1.55	200	
SD252018-2R7□	2.7			55	1.70	195	
SD252018-3R3□	3.3			48	1.90	185	
SD252018-3R9□	3.9			43	2.10	180	
SD252018-4R7□	4.7			40	2.30	175	
SD252018-5R6□	5.6	25		36	2.50	170	2.52MHz
SD252018-6R8□	6.8			33	2.70	165	
SD252018-8R2□	8.2			30	3.05	160	
SD252018-100□	10			27	3.50	155	
SD252018-120□	12			23	3.80	150	
SD252018-150□	15			20	4.40	140	
SD252018-180□	18			18	4.80	130	
SD252018-220□	22			17	5.50	125	
SD252018-270□	27			16	6.30	115	
SD252018-330□	33			15	7.10	110	
SD252018-390□	39	20		14	9.50	90	0.796MHz
SD252018-470□	47			13	11.10	80	
SD252018-560□	56			12	12.10	75	
SD252018-680□	68			11	16.60	70	
SD252018-820□	82			10	19.00	65	
SD252018-101□	100			9	21.00	60	

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SD SERIES

SD322522 SERIES
SPECIFICATION TABLE:

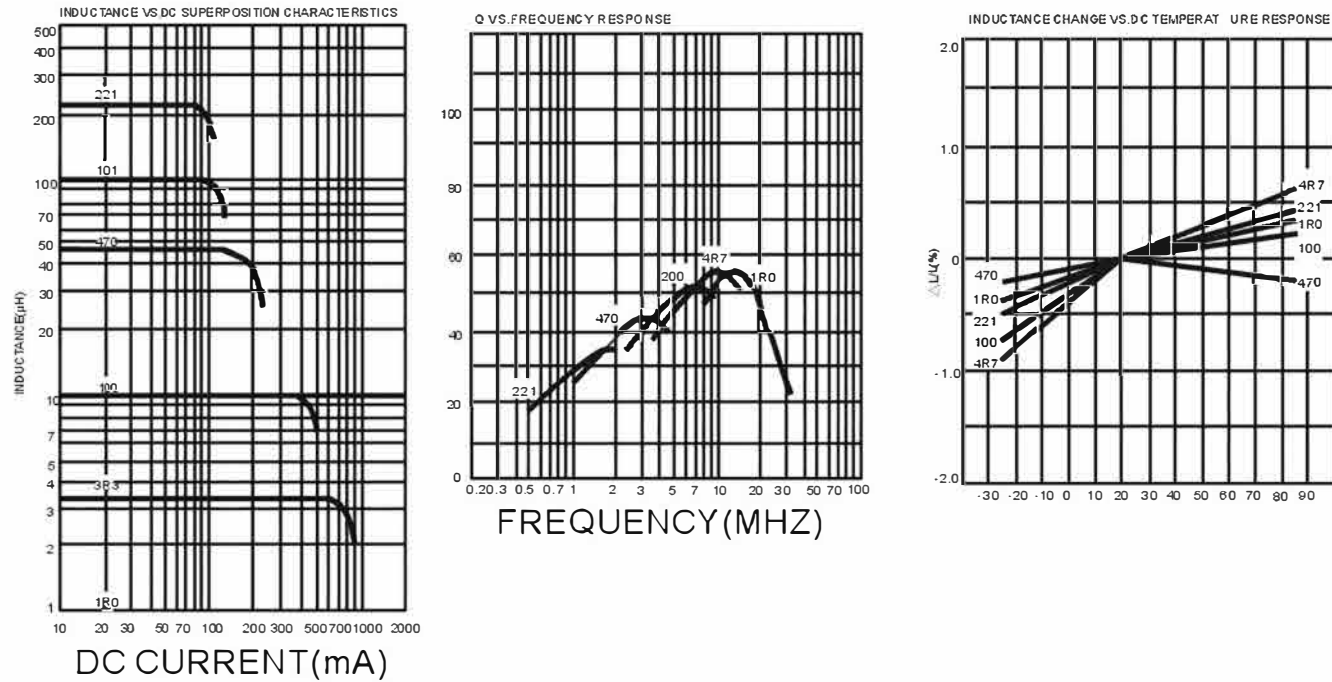
PART NUMBER 品名	INDUCTANCE (μ H) 电感值	TOLERANCE 公差	Q (min) 品质系数	SRF(min) (MHz) 自谐频率	DCR(max) (Ω) 直流电阻	IDC(max) (mA) 定格电流	TEST FREQUENCY 测试频率
SD322522-010□	0.010	K(±10%) L(±15%) M(±20%)	15	2500	0.13	450	100MHz
SD322522-012□	0.012		17	2300	0.14		
SD322522-015□	0.015		19	2100	0.16		
SD322522-018□	0.018		21	1900	0.18		
SD322522-022□	0.022		23	1700	0.20		
SD322522-027□	0.027		23	1500	0.22		
SD322522-033□	0.033	J(±5%) K(±10%) L(±15%) M(±20%)	25	1400	0.24	450	100MHz
SD322522-039□	0.039		25	1300	0.27		
SD322522-047□	0.047		26	1200	0.30		
SD322522-056□	0.056		26	1100	0.33		
SD322522-068□	0.068		27	1000	0.36		
SD322522-082□	0.082		27	900	0.40		
SD322522-R10□	0.10	J(±5%) K(±10%) L(±15%) M(±20%)	28	700	0.44	450	25.2MHz
SD322522-R12□	0.12		30	500	0.22		
SD322522-R15□	0.15		30	450	0.25		
SD322522-R18□	0.18		30	400	0.28		
SD322522-R22□	0.22		30	350	0.32		
SD322522-R27□	0.27		30	320	0.36		
SD322522-R33□	0.33		30	300	0.40		
SD322522-R39□	0.39		30	250	0.45		
SD322522-R47□	0.47		30	220	0.50		
SD322522-R56□	0.56		30	180	0.55		
SD322522-R68□	0.68		30	160	0.60		
SD322522-R82□	0.82		30	140	0.65		
SD322522-1R0□	1.0	J(±5%) K(±10%) L(±15%) M(±20%)	30	120	0.70	400	7.96MHz
SD322522-1R2□	1.2		30	100	0.75	390	
SD322522-1R5□	1.5		30	85	0.85	370	
SD322522-1R8□	1.8		30	80	0.90	350	
SD322522-2R2□	2.2		30	75	1.0	320	
SD322522-2R7□	2.7		30	70	1.1	290	
SD322522-3R3□	3.3		30	60	1.2	260	
SD322522-3R9□	3.9		30	55	1.3	250	
SD322522-4R7□	4.7		30	50	1.5	220	
SD322522-5R6□	5.6		30	47	1.6	200	
SD322522-6R8□	6.8		30	43	1.8	180	
SD322522-8R2□	8.2		30	40	2.0	170	

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SD322522 SERIES
SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	TOLERANCE 公差	Q (min) 品质系数	SRF(min) (MHz) 自谐频率	DCR(max) (Ω) 直流电阻	IDC(max) (mA) 定格电流	TEST FREQUENCY 测试频率
SD322522-100□	10	J(±5%) K(±10%) L(±15%) M(±20%)	30	36	2.1	150	2.52MHz
SD322522-120□	12		30	33	2.5	140	
SD322522-150□	15		30	28	2.8	130	
SD322522-180□	18		30	25	3.3	120	
SD322522-220□	22		30	23	3.7	110	
SD322522-270□	27		30	20	5.0	80	
SD322522-330□	33		30	17	5.6	70	
SD322522-390□	39		30	16	6.4	65	
SD322522-470□	47		30	15	7.0	60	
SD322522-560□	56		30	13	8.0	55	
SD322522-680□	68		30	12	9.0	50	
SD322522-820□	82		30	11	10	45	
SD322522-101□	100	J(±5%) K(±10%) L(±15%) M(±20%)	20	10	10	40	0.796MHz
SD322522-121□	120		20	10	11	70	
SD322522-151□	150		20	8	15	65	
SD322522-181□	180		20	7	17	60	
SD322522-221□	220		20	7	21	50	



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SD SERIES

SD453232 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	TOLERANCE 公差	Q (min) 品质系数	SRF(min) (MHz) 自谐频率	DCR(max) (Ω) 直流电阻	IDC(max) (mA) 定格电流	TEST FREQUENCY 测试频率
SD453232-R10□	0.10	J(± 5%) K(± 10%) L(± 15%) M(± 20%)	35	300	0.18	800	25.2MHz
SD453232-R12□	0.12		35	280	0.20	770	
SD453232-R15□	0.15		35	250	0.22	730	
SD453232-R18□	0.18		35	220	0.24	700	
SD453232-R22□	0.22		40	200	0.25	665	
SD453232-R27□	0.27		40	180	0.26	635	
SD453232-R33□	0.33		40	165	0.28	605	
SD453232-R39□	0.39		40	150	0.30	575	
SD453232-R47□	0.47		40	145	0.32	545	
SD453232-R56□	0.56		40	140	0.36	520	
SD453232-R68□	0.68		40	135	0.40	500	
SD453232-R82□	0.82		40	130	0.45	475	
SD453232-1R0□	1.0		50	100	0.50	450	
SD453232-1R2□	1.2		50	80	0.55	430	
SD453232-1R5□	1.5		50	70	0.60	410	
SD453232-1R8□	1.8		50	60	0.65	390	
SD453232-2R2□	2.2		50	55	0.70	380	7.96MHz
SD453232-2R7□	2.7		50	50	0.75	370	
SD453232-3R3□	3.3		50	45	0.80	355	
SD453232-3R9□	3.9		50	40	0.90	330	
SD453232-4R7□	4.7		50	35	1.00	315	
SD453232-5R6□	5.6		50	33	1.10	300	
SD453232-6R8□	6.8		50	27	1.20	285	
SD453232-8R2□	8.2		50	25	1.40	270	
SD453232-100□	10		50	20	1.60	250	
SD453232-120□	12		50	18	2.00	225	
SD453232-150□	15		50	17	2.50	200	2.52MHz
SD453232-180□	18		50	15	2.80	190	
SD453232-220□	22		50	13	3.20	180	
SD453232-270□	27		50	12	3.60	170	
SD453232-330□	33		50	11	4.00	160	
SD453232-390□	39		50	10	4.50	150	
SD453232-470□	47		50	10	5.00	140	
SD453232-560□	56		50	9.0	5.50	135	
SD453232-680□	68		50	9.0	6.00	130	
SD453232-820□	82		50	8.0	7.00	120	

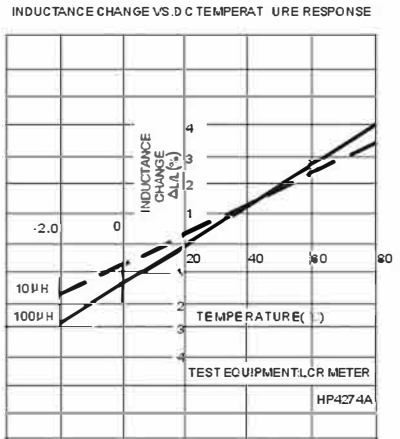
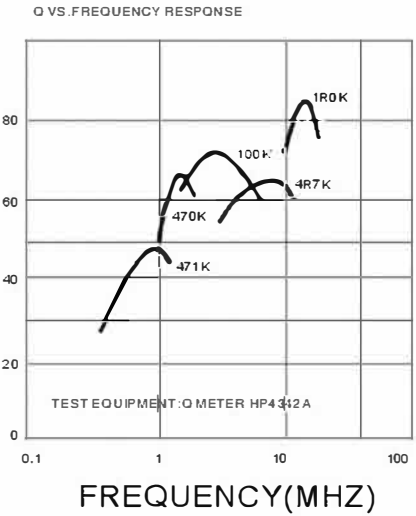
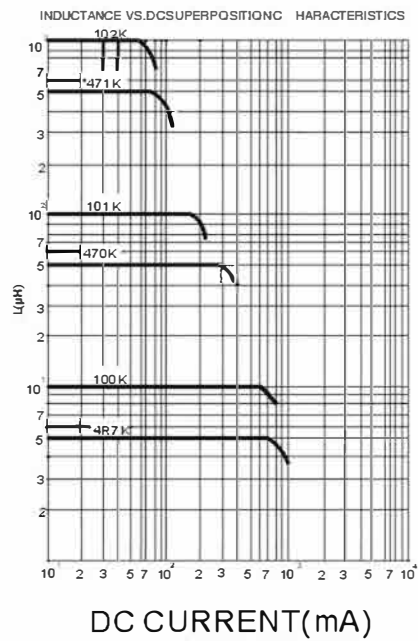
*所有产品的尺寸、电气性能均可按客户要求研发设计

SD SERIES

SD453232 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	TOLERANCE 公差	Q (min) 品质系数	SRF(min) (MHz) 自谐频率	DCR(max) (Ω) 直流电阻	IDC(max) (mA) 定格电流	TEST FREQUENCY 测试频率
SD453232-101□	100	J(± 5%) K(± 10%) L(± 15%) M(± 20%)	40	8.0	8.00	110	0.796MHz
SD453232-121□	120		40	6.0	8.00	110	
SD453232-151□	150		40	5.0	9.00	105	
SD453232-181□	180		40	5.0	9.50	102	
SD453232-221□	220		40	4.0	10.0	100	
SD453232-271□	270		40	4.0	12.0	92	
SD453232-331□	330		40	3.5	14.0	85	
SD453232-391□	390		40	3.0	18.0	80	
SD453232-471□	470		40	3.0	26.0	62	
SD453232-561□	560		30	3.0	30.0	50	
SD453232-681□	680		30	3.0	30.0	50	
SD453232-821□	820		30	2.5	35.0	30	
SD453232-102□	1000		20	2.5	40.0	30	0.252MHz



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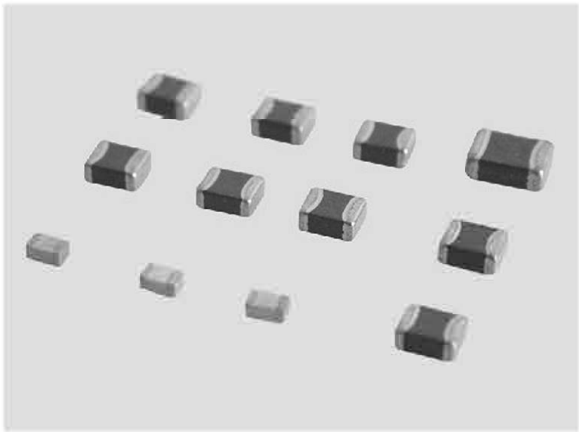
SD SERIES

FEATURES

- 1.Monolithic inorganic material construction.
- 2.Closed magnetic circuit avoids crosstalk.
- 3.S.M.T.type.
- 4.Suitable for flow and reflow soldering.
- 5.Shapes and dimensions follow E.I.A.Spec..
- 6.Available in varions sizes.
- 7.Excellent solderability and heat resistance.
- 8.High realiability.

特性

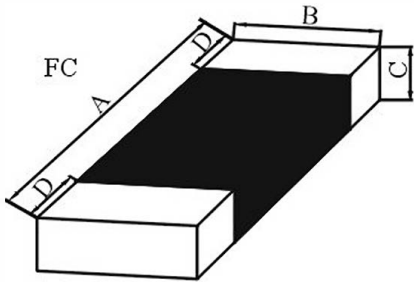
- 1.单一无机材料结构.
- 2.封闭磁路避免干扰.
- 3.表面粘着型式.
- 4.适合flow及reflow焊接.
- 5.形状及尺寸符合E.I.A.标准
- 6.多种尺寸可供选择
- 7.绝佳之焊锡性和耐热性.
- 8.高可靠性.



PART NUMBERING SYSTEM (品名系统)

S D	4 5 3 2	- 1 R 8	K	- R -	S - L F
1	2	3	4	5	
SERIESNAME DIMENSIONS		INDUCTANCE TOLERANCECODE		PACKINGCODE	
J: ± 5%,K: ± 10%,L: ± 15%, R:Tape&Reel(卷装) S:series(系列)					
M: ± 20%,P: ± 25%,N: ± 30% B:In Bulk (散装) Lf:Lead Free(无铅)					
品名	尺寸	电感值	公差	包装	

SHAPES AND DIMENSIONS (形状及尺寸)



TYPE(型式)	DIMENSIONS				UNIT:mm
	A	B	C	D	
SD4532(1812)	4.5 ± 0.2	3.2 ± 0.2	1.5 ± 0.2	0.5 ± 0.3	
SD3225(1210)	3.2 ± 0.2	2.5 ± 0.2	1.3 ± 0.2	0.5 ± 0.3	
SD3216(1206)	3.2 ± 0.2	1.6 ± 0.2	1.1 ± 0.3	0.5 ± 0.3	
SD2520(1008)	2.5 ± 0.2	2.0 ± 0.2	1.6 ± 0.3	0.5 ± 0.3	
SD2012(0805)	2.0 ± 0.2	1.25 ± 0.2	0.85 ± 0.2 OR 1.25 ± 0.2	0.5 ± 0.3	
SD1608(0603)	1.6 ± 0.15	0.8 ± 0.15	0.8 ± 0.15	0.3 ± 0.2	

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SD SERIES

SD4532 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	THICKNESS C SIZE (mm) 厚度	INDUCTANCE (μH) 电感值	Q (min) 品质系数	DCR(max) (Ω) 直流电阻	IDC(max) (mA) 定格电流	SRF(min) (MHz) 自谐频率	TEST FREQUENCY 测试频率
SD4532-R10□	1.5 ± 0.2	0.10	35	0.18	800	300	25.2MHz
SD4532-R15□	1.5 ± 0.2	0.15	35	0.22	730	250	25.2MHz
SD4532-R27□	1.5 ± 0.2	0.27	40	0.26	635	180	25.2MHz
SD4532-R39□	1.5 ± 0.2	0.39	40	0.30	575	150	25.2MHz
SD4532-R56□	1.5 ± 0.2	0.56	40	0.36	520	140	25.2MHz
SD4532-R82□	1.5 ± 0.2	0.82	40	0.45	475	130	25.2MHz
SD4532-1R2□	1.5 ± 0.2	1.2	50	0.55	430	80	7.96MHz
SD4532-2R2□	1.5 ± 0.2	2.2	50	0.70	380	55	7.96MHz
SD4532-3R3□	1.5 ± 0.2	3.3	50	0.80	355	45	7.96MHz
SD4532-4R7□	1.5 ± 0.2	4.7	50	1.00	315	35	7.96MHz
SD4532-6R8□	1.5 ± 0.2	6.8	50	1.20	285	27	7.96MHz
SD4532-100□	1.5 ± 0.2	10.0	50	1.60	250	20	2.52MHz
SD4532-150□	1.5 ± 0.2	15.0	50	2.50	200	17	2.52MHz
SD4532-220□	1.5 ± 0.2	22.0	50	3.20	180	13	2.52MHz
SD4532-330□	1.5 ± 0.2	33.0	50	4.00	160	11	2.52MHz

SD3225 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	THICKNESS C SIZE (mm) 厚度	INDUCTANCE (μH) 电感值	Q (min) 品质系数	DCR(max) (Ω) 直流电阻	IDC(max) (mA) 定格电流	SRF(min) (MHz) 自谐频率	TEST FREQUENCY 测试频率
SD3225-R12□	1.3 ± 0.2	0.12	30	0.22	450	500	25.2MHz
SD3225-R22□	1.3 ± 0.2	0.22	30	0.32	450	350	25.2MHz
SD3225-R33□	1.3 ± 0.2	0.33	30	0.40	450	300	25.2MHz
SD3225-R47□	1.3 ± 0.2	0.47	30	0.50	450	220	25.2MHz
SD3225-R68□	1.3 ± 0.2	0.68	30	0.60	450	160	25.2MHz
SD3225-1R0□	1.3 ± 0.2	1.0	30	0.70	400	120	7.96MHz
SD3225-1R8□	1.3 ± 0.2	1.8	30	0.90	350	80	7.96MHz
SD3225-2R7□	1.3 ± 0.2	2.7	30	1.10	290	70	7.96MHz
SD3225-3R9□	1.3 ± 0.2	3.9	30	1.30	250	55	7.96MHz
SD3225-5R6□	1.3 ± 0.2	5.6	30	1.60	200	47	7.96MHz
SD3225-8R2□	1.3 ± 0.2	8.2	30	2.00	170	40	7.96MHz
SD3225-120□	1.3 ± 0.2	12.0	30	2.50	140	33	2.52MHz
SD3225-180□	1.3 ± 0.2	18.0	30	3.30	120	27	2.52MHz
SD3225-270□	1.3 ± 0.2	27.0	30	5.00	80	20	2.52MHz
SD3225-330□	1.3 ± 0.2	33.0	30	5.60	70	17	2.52MHz

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SD SERIES

SD3216 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	THICKNESS C SIZE (mm) 厚度	INDUCTANCE (μH) 电感值	Q (min) 品质系数	DCR(max) (Ω) 直流电阻	IDC(max) (mA) 定格电流	SRF(min) (MHz) 白谐频率	TEST FREQUENCY 测试频率
SD3216-47N□	1.1±0.3	0.047	20	0.15	300	320	50MHz
SD3216-82N□	1.1±0.3	0.082	20	0.25	300	260	50MHz
SD3216-R12□	1.1±0.3	0.12	20	0.30	250	220	25MHz
SD3216-R22□	1.1±0.3	0.22	20	0.40	250	170	25MHz
SD3216-R33□	1.1±0.3	0.33	20	0.50	250	145	25MHz
SD3216-R56□	1.1±0.3	0.56	25	0.70	200	115	25MHz
SD3216-R82□	1.1±0.3	0.82	25	0.90	150	100	25MHz
SD3216-1R5□	1.1±0.3	1.5	45	0.50	50	60	10MHz
SD3216-2R7□	1.1±0.3	2.7	45	0.60	50	45	10MHz
SD3216-3R9□	1.1±0.3	3.9	45	0.80	50	38	10MHz
SD3216-5R6□	1.1±0.3	5.6	50	0.70	25	32	4MHz
SD3216-8R2□	1.1±0.3	8.2	50	0.90	25	26	4MHz
SD3216-120□	1.1±0.3	12.0	50	1.05	15	22	2MHz
SD3216-180□	1.1±0.3	18.0	35	0.70	5	18	1MHz
SD3216-270□	1.1±0.3	27.0	35	0.90	5	14	1MHz
SD3216-330□	1.1±0.3	33.0	35	1.05	5	13	0.4MHz

SD2520 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	THICKNESS C SIZE (mm) 厚度	INDUCTANCE (μH) 电感值	Q (min) 品质系数	DCR(max) (Ω) 直流电阻	IDC(max) (mA) 定格电流	SRF(min) (MHz) 白谐频率	TEST FREQUENCY 测试频率
SD2520-R10□	1.6±0.3	0.10	30	0.21	570	680	25.2MHz
SD2520-R18□	1.6±0.3	0.18	30	0.29	460	520	25.2MHz
SD2520-R27□	1.6±0.3	0.27	30	0.33	420	330	25.2MHz
SD2520-R39□	1.6±0.3	0.39	30	0.40	375	290	25.2MHz
SD2520-R68□	1.6±0.3	0.68	30	0.52	320	220	25.2MHz
SD2520-1R2□	1.6±0.3	1.2	30	0.87	240	140	7.96MHz
SD2520-1R8□	1.6±0.3	1.8	30	1.10	220	120	7.96MHz
SD2520-3R3□	1.6±0.3	3.3	30	1.60	190	80	7.96MHz
SD2520-5R6□	1.6±0.3	5.6	30	2.20	170	60	7.96MHz
SD2520-8R2□	1.6±0.3	8.2	30	2.60	160	50	7.96MHz
SD2520-120□	1.6±0.3	12.0	25	2.50	150	27	2.52MHz
SD2520-220□	1.6±0.3	22.0	25	3.60	125	21	2.52MHz
SD2520-330□	1.6±0.3	33.0	25	4.70	110	17	2.52MHz

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SD SERIES

SD2012 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	THICKNESS C SIZE (mm) 厚度	INDUCTANCE (μH) 电感值	Q (min) 品质系数	DCR(max) (Ω) 直流电阻	IDC(max) (mA) 定格电流	SRF(min) (MHz) 白谐频率	TEST FREQUENCY 测试频率
SD2012-47N□	0.85±0.2	0.047	15	0.20	300	320	50MHz
SD2012-R10□	0.85±0.2	0.10	20	0.30	250	235	25MHz
SD2012-R22□	0.85±0.2	0.22	20	0.50	250	170	25MHz
SD2012-R39□	0.85±0.2	0.39	25	0.65	200	135	25MHz
SD2012-R68□	1.25±0.2	0.68	25	0.80	150	105	25MHz
SD2012-1R2□	0.85±0.2	1.2	45	0.50	50	65	10MHz
SD2012-2R2□	0.85±0.2	2.2	45	0.65	30	50	10MHz
SD2012-3R9□	1.25±0.2	3.9	45	0.90	30	38	10MHz
SD2012-5R6□	1.25±0.2	5.6	45	0.90	15	32	4MHz
SD2012-8R2□	1.25±0.2	8.2	45	1.10	15	26	4MHz
SD2012-120□	1.25±0.2	12.0	45	1.25	15	22	2MHz
SD2012-180□	1.25±0.2	18.0	30	0.90	5	18	1MHz
SD2012-270□	1.25±0.2	27.0	30	1.15	5	14	1MHz
SD2012-330□	1.25±0.2	33.0	30	1.25	5	13	0.4MHz

SD1608 SERIES

SPECIFICATION TABLE:

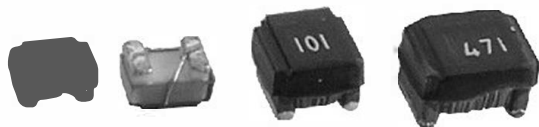
PART NUMBER 品名	THICKNESS C SIZE (mm) 厚度	INDUCTANCE (μH) 电感值	Q (min) 品质系数	DCR(max) (Ω) 直流电阻	IDC(max) (mA) 定格电流	SRF(min) (MHz) 白谐频率	TEST FREQUENCY 测试频率
SD1608-47N□	0.8±0.2	0.047	10	0.30	50	260	50MHz
SD1608-82N□	0.8±0.2	0.082	10	0.30	50	245	50MHz
SD1608-R12□	0.8±0.2	0.12	15	0.50	50	205	25MHz
SD1608-R22□	0.8±0.2	0.22	15	0.80	50	150	25MHz
SD1608-R39□	0.8±0.2	0.39	15	1.00	35	110	25MHz
SD1608-R68□	0.8±0.2	0.68	15	1.70	35	80	25MHz
SD1608-1R2□	0.8±0.2	1.2	30	0.80	25	60	10MHz
SD1608-2R2□	0.8±0.2	2.2	30	1.15	15	45	10MHz
SD1608-3R9□	0.8±0.2	3.9	30	1.70	15	36	10MHz
SD1608-5R6□	0.8±0.2	5.6	30	1.55	15	22	4MHz
SD1608-8R2□	0.8±0.2	8.2	30	2.10	15	18	4MHz
SD1608-120□	0.8±0.2	12.0	30	2.75	15	15	1MHz
SD1608-180□	0.8±0.2	18.0	20	1.85	15	13	1MHz
SD1608-270□	0.8±0.2	27.0	20	2.75	15	10	1MHz
SD1608-330□	0.8±0.2	33.0	20	2.95	15	9	1MHz

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SD SERIES

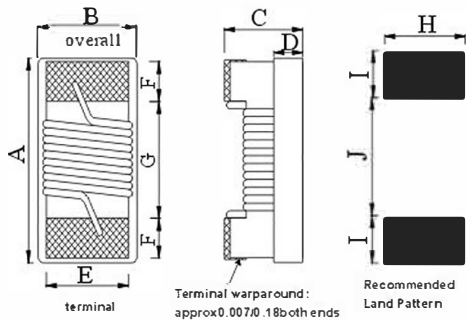
SD SERIES

SD0402CS



Continuing in our long tradition of innovation and leadership, Pulin introduced the industry's first 0402 wire wound inductor.

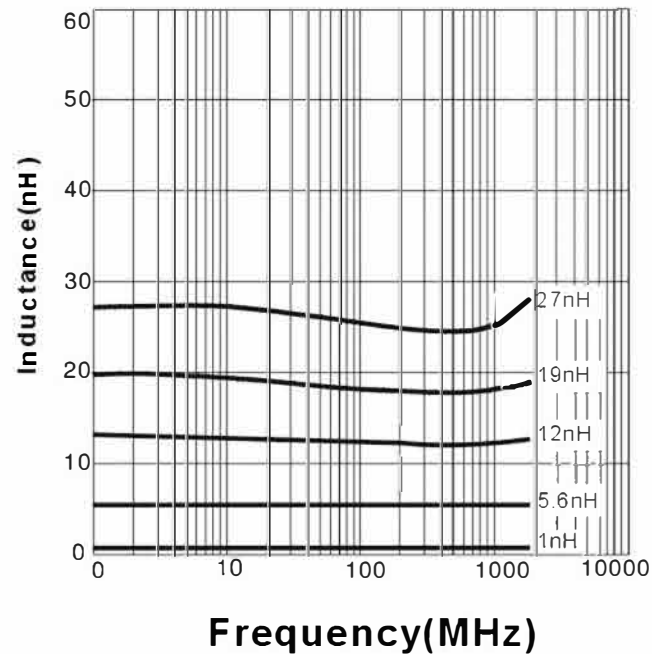
This series shares all of the characteristics of Pulin's other ceramic inductors: exceptionally high Q factors, especially at use frequencies; outstanding self-resonant frequency; tight inductance tolerance; and excellent batch to batch consistency.



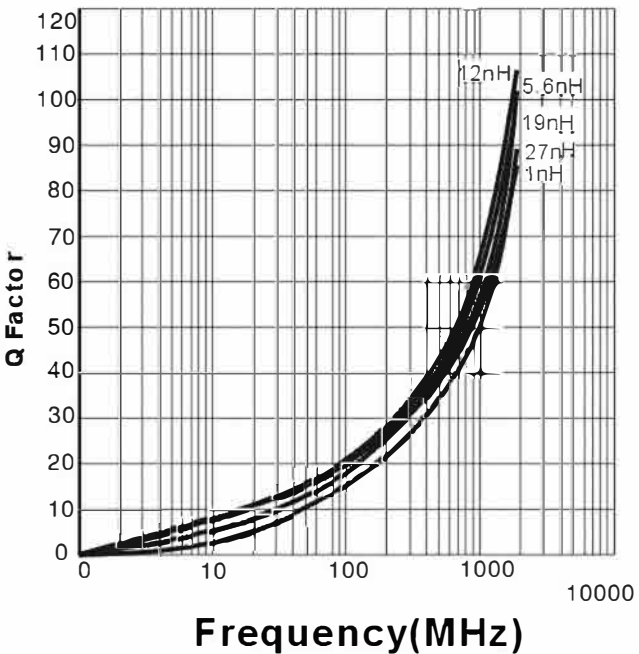
A	B	C	D						
max	max	max	ref	E	F	G	H	I	J
0.047	0.025	0.026	0.010	0.020	0.009	0.022	0.026	0.014	0.018
1,19	0,64	0,66	0,25	0,51	0,23	0,56	0,66	0,36	0,46

Weight: 0.8–1.0 mg
Terminations: Silver–palladium–platinum–glass frit
Tape and reel: 2000/7" reel 8mm tape width
For packaging data see Tape and Reel Specifications section.

Typical L vs Frequency



Typical Q vs Frequency



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SD0402CS

Part number	Inductance (nH)	Percent tolerance	900 MHz Ltyp Qtyp	1.7 GHz Ltyp Qtyp	SRF min (GHz)	DCR max (Ohms)	I _{rms} (mA)
SD0402CS-1N0J	1.0	5	1.02 77	1.02 69	12.70	0.045	1380
SD0402CS-1N8J	1.8	5	1.78 54	1.78 75	12.00	0.070	1040
SD0402CS-2N0J	2.0	5	1.93 54	1.93 75	11.10	0.070	1040
SD0402CS-2N7J	2.7	5	2.58 42	2.60 61	10.40	0.120	640
SD0402CS-3N6J	3.6	5, 2	3.56 45	3.62 71	6.80	0.066	840
SD0402CS-4N3J	4.3	5, 2	4.19 47	4.30 71	6.00	0.091	700
SD0402CS-5N6J	5.6	5, 2	5.16 54	5.28 81	4.80	0.083	760
SD0402CS-6N8J	6.8	5, 2	6.56 63	6.93 78	4.80	0.083	680
SD0402CS-7N5J	7.5	5, 2	7.91 60	8.22 88	4.80	0.10	680
SD0402CS-8N2J	8.2	5, 2	8.50 57	8.85 84	4.40	0.10	680
SD0402CS-9N5J	9.5	5, 2	9.42 54	9.98 69	4.00	0.20	480
SD0402CS-12NJ	12.0	5, 2	11.9 53	12.70 71	3.60	0.12	640
SD0402CS-11NJ	11.0	5, 2	10.7 52	11.20 78	3.68	0.12	640
SD0402CS-15NJ	15.0	5, 2	14.6 55	15.50 77	3.28	0.17	560
SD0402CS-19NJ	19.0	5, 2	19.1 50	21.10 67	3.04	0.20	480
SD0402CS-22NJ	22.0	5, 2	23.2 53	26.75 53	2.80	0.30	400
SD0402CS-24NJ	24.0	5, 2	25.1 51	29.50 50	2.48	0.30	400
SD0402CS-33NJ	33.0	5, 2	34.9 31	41.74 32	2.35	0.30	400
SD0402CS-39NJ	39.0	5, 2	41.7 47	50.23 45	2.10	0.55	200
SD0402CS-43NJ	43.0	5, 2	45.8 46	61.55 34	2.03	0.81	100
SD0402CS-56NJ	56.0	5, 2	62.8 42	- -	1.76	0.97	100
SD0402CS-68NJ	68.0	5, 2	78.2 36	- -	1.62	1.12	100
SD0402CS-82NJ	82.0	5, 2	- -	- -	1.26	1.55	50
SD0402CS-R10J	100.0	5, 2	- -	- -	1.16	3.00	30

- 1. When ordering, please specify tolerance and packaging codes:
Tolerance: G=2% J=5% (Table shows stock tolerances in bold.)
Packaging: W=7" machine-ready reel.
EIA-481 punched paper tape (2000 parts per full reel)
U = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), Use code letter W instead.
- 2. Measurement data obtained at 25°C
- 3. Operating temperature range is -40°C to + 125°C.

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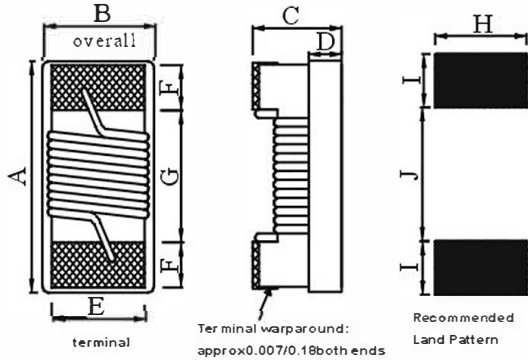
SD SERIES

SD SERIES

SD0603CS

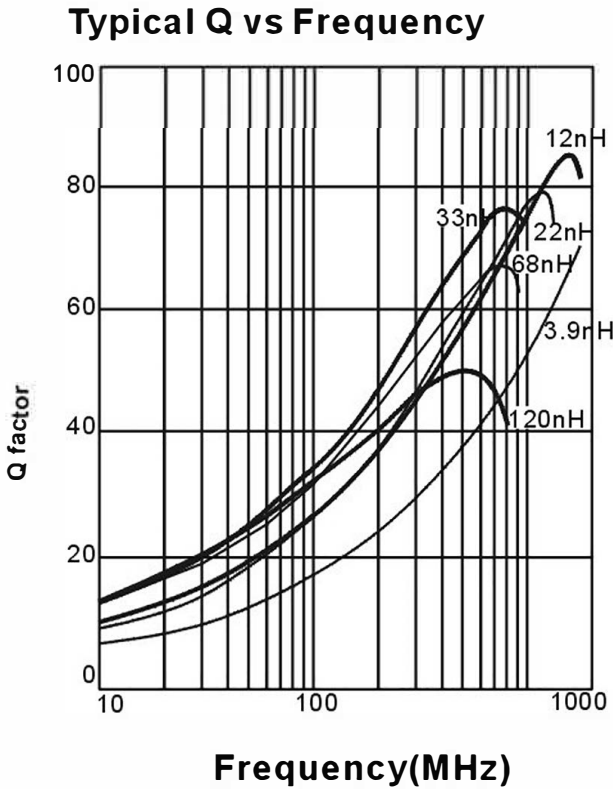
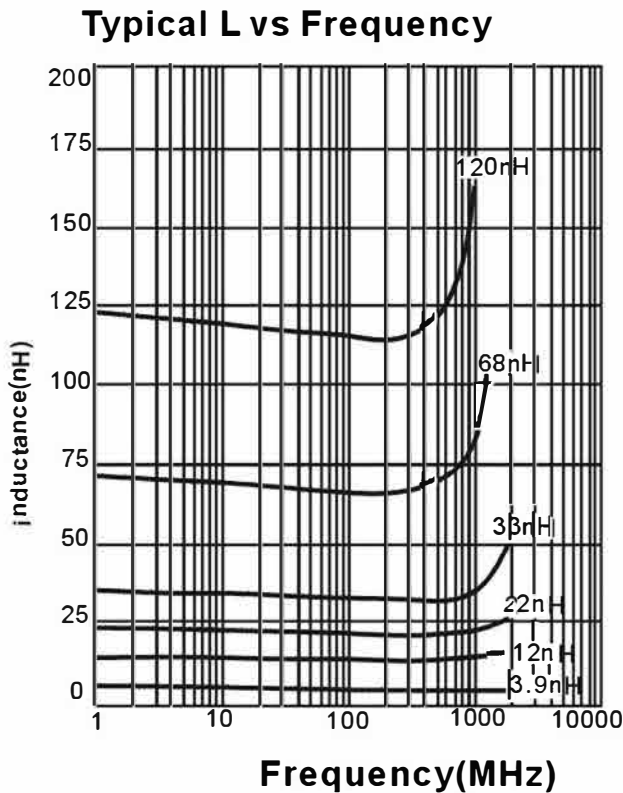


Ultra-small size, exceptional Q and high SRFs make these inductors ideal for high frequency applications where size is at a premium. They also have excellent DCR and current carrying Characteristics.



A	B	C	D						
max	max	max	ref	E	F	G	H	I	J
0.071	0.044	0.040	0.015	0.030	0.013	0.034	0.040	0.025	0.025
1.80	1.12	1.02	0.38	0.76	0.33	0.86	1.02	0.64	0.64

Weight: 3.2–3.7mg
Tape and reel: 2000/7" reel 8mm tape width
For packaging data see Tape and Reel Specifications section.



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SD0603CS

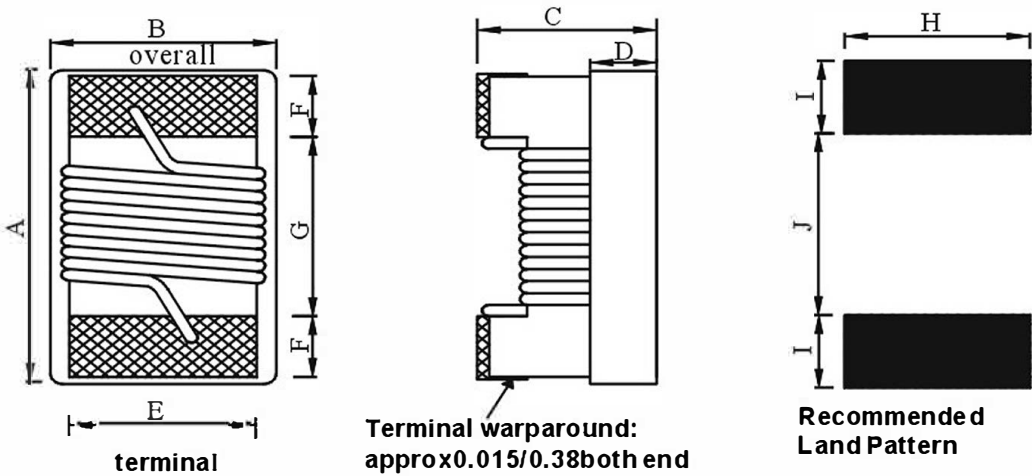
Part number	Inductance (nH)	Percent tolerance	Q min	900 MHz L typ Q typ	1.7 GHz L typ Q typ	SRF MIN (MHz)	DCR max (Ohms)	I rms (mA)	Color code
SD0603CS-1N6J	1.6@250MHz	5	24	1.67 49	1.65 63	12500	0.030	700	Red
SD0603CS-2N2J	2.2@250MHz	5	13	2.22 31	2.24 44	12500	0.250	100	Yellow
SD0603CS-3N6J	3.6@250MHz	5,2	22	3.72 53	3.71 65	5900	0.063	700	Red
SD0603CS-4N3J	4.3@250MHz	5,2	22	4.32 50	4.33 70	5900	0.063	700	Orange
SD0603CS-5N6J	5.6@250MHz	5,2	26	5.77 63	6.05 80	4760	0.075	700	Black
SD0603CS-6N8J	6.8@250MHz	5,2	27	6.75 60	7.10 81	5800	0.110	700	Red
SD0603CS-7N5J	7.5@250MHz	5,2	28	7.70 60	7.82 65	4800	0.106	700	Brown
SD0603CS-8N7J	8.7@250MHz	5,2	28	8.86 62	9.32 58	4600	0.109	700	Yellow
SD0603CS-10NJ	10@250MHz	5,2	31	10.0 66	10.6 83	4800	0.130	700	Orange
SD0603CS-12NJ	12@250MHz	5,2	35	12.3 72	13.5 83	4000	0.130	700	Yellow
SD0603CS-16NJ	16@250MHz	5,2	34	16.2 55	17.3 52	3300	0.170	700	White
SD0603CS-22NJ	22@250MHz	5,2	38	22.8 73	26.1 71	3000	0.190	700	Violet
SD0603CS-27NJ	27@250MHz	5,2	40	29.2 74	34.6 65	2800	0.220	600	Gray
SD0603CS-33NJ	33@250MHz	5,2	40	36.0 67	49.5 42	2300	0.220	600	White
SD0603CS-43NJ	43@250MHz	5,2	38	47.0 44	64.9 21	2000	0.280	600	Orange
SD0603CS-51NJ	51@200MHz	5,2	35	55.5 69	82.2 34	1900	0.270	600	Blue
SD0603CS-68NJ	68@200MHz	5,2	37	80.5 54	168 21	1700	0.340	600	Orange
SD0603CS-72NJ	72@150MHz	5,2	34	82.0 53	135 20	1700	0.490	400	Yellow
SD0603CS-R10J	100@150MHz	5,2	34	124 49	135 20	1400	0.580	400	Blue
SD0603CS-R12J	120@150MHz	5,2	32	166 39	— —	1300	0.650	300	Gray
SD0603CS-R15J	150@150MHz	5,2	28	250 25	— —	990	0.920	280	White
SD0603CS-R21J	210@100MHz	5,2	27	— —	— —	895	2.06	200	Gray
SD0603CS-R27J	270@100MHz	5,2	24	— —	— —	900	2.30	170	Red
SD0603CS-R33J	330@100MHz	5,2	25	— —	— —	900	3.89	100	Blue
SD0603CS-R39J	390@100MHz	5,2	25	— —	— —	900	4.35	100	Yellow

1. When ordering, please specify tolerance and packaging codes:
Tolerance: G=2% J=5% (Table shows stock tolerances in bold.)
Packaging: W=7" machine-ready reel.
EIA-481 punched paper tape (2000 parts per full reel)
U = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), Use code letter W instead.
2. Measurement data obtained at 25°C
3. Operating temperature range is -40°C to +125°C.

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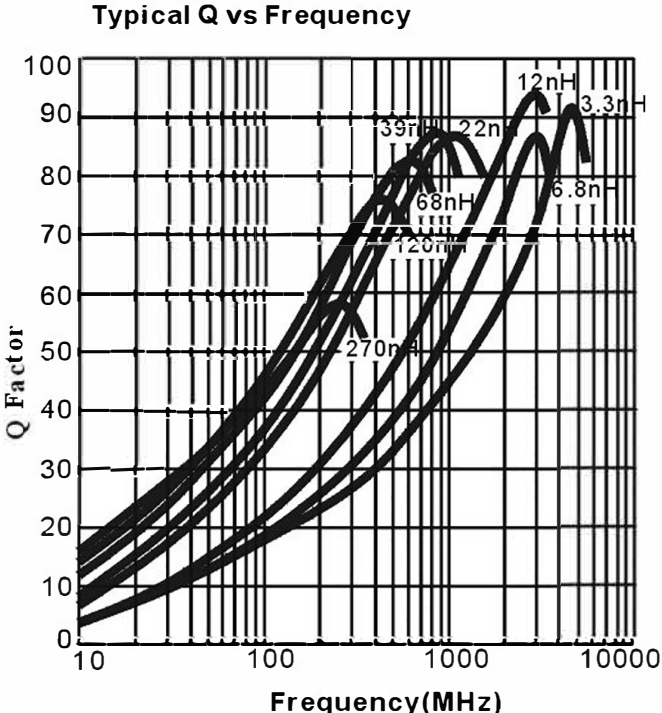
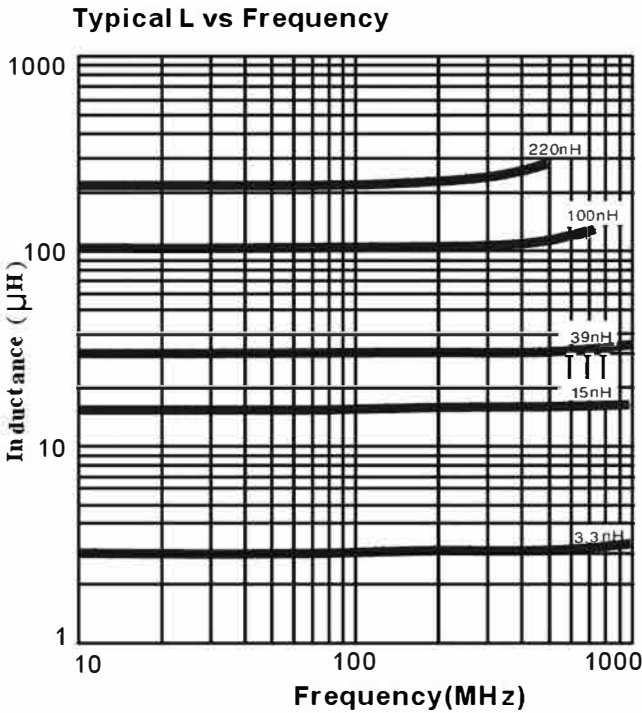
SD SERIES

SD0805CS



Amax	Bmax	Cmax	Dref	E	F	G	H	I	J
0.090	0.068	0.060	0.020	0.050	0.020	0.040	0.070	0.040	0.030
2,29	1,73	1,52	0,51	1,27	0,51	1,02	1,78	1,02	0,76

Weight: 10.2–11.6mg
Tape and reel: 2000/7" reel; 7500/13" reel 8mm tape width
For packaging data see Tape and Reel Specifications section.



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SD SERIES

SD0805CS

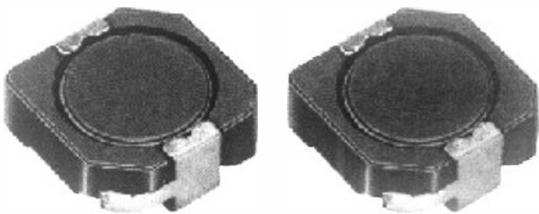
The 0805CS inductors provide exceptional Q values, even at high frequencies. They have a ceramic body and wire wound construction to provide the highest SRFs available in 0805 size.

Part number	Inductance (nH)	Tolerance	Q min	SRF MIN (MHz)	DCR max (Ohms)	Irms (mA)	Color code
SD0805CS-2N8J	2.8@250MHz	20,10,5	80@1500MHz	7900	0.06	800	Gray
SD0805CS-3N0J	3.0@250MHz	20,10,5	50@1500MHz	7900	0.08	600	Black
SD0805CS-3N3J	3.3@250MHz	20,10,5	65@1500MHz	5500	0.08	600	Orange
SD0805CS-6N8J	6.8@250MHz	20,10,5	50@1500MHz	5500	0.11	600	Brown
SD0805CS-7N5J	7.5@250MHz	20,10,5	50@1500MHz	4500	0.14	600	Green
SD0805CS-8N2J	8.2@250MHz	20,10,5,2	50@1500MHz	4700	0.12	600	Red
SD0805CS-120J	12@250MHz	20,10,5,2	50@1500MHz	4000	0.15	600	Orange
SD0805CS-180J	18@250MHz	20,10,5,2	50@1500MHz	3300	0.20	600	Green
SD0805CS-240J	24@250MHz	20,10,5,2	50@1500MHz	2000	0.22	500	Gray
SD0805CS-330J	33@250MHz	20,10,5,2,1	60@1500MHz	2050	0.27	500	Gray
SD0805CS-390J	39@250MHz	20,10,5,2,1	60@1500MHz	2000	0.29	500	White
SD0805CS-470J	47@200MHz	20,10,5,2,1	60@1500MHz	1650	0.31	500	Black
SD0805CS-560J	56@200MHz	10,5,2,1	60@1500MHz	1550	0.34	500	Brown
SD0805CS-680J	68@200MHz	10,5,2,1	60@1500MHz	1450	0.38	500	Red
SD0805CS-820J	82@150MHz	10,5,2,1	65@1500MHz	1300	0.42	400	Orange
SD0805CS-910J	91@150MHz	10,5,2	65@1500MHz	1200	0.48	400	Black
SD0805CS-111J	110@150MHz	10,5,2	80@1500MHz	1000	0.48	400	Brown
SD0805CS-151J	150@100MHz	10,5,2	50@1500MHz	920	0.56	400	Blue
SD0805CS-221J	220@100MHz	10,5,2	50@1500MHz	850	0.70	400	Gray
SD0805CS-271J	270@100MHz	10,5,2	48@1500MHz	650	1.00	350	White
SD0805CS-391J	390@100MHz	10,5,2	48@1500MHz	560	1.50	290	Brown
SD0805CS-471J	470@50MHz	10,5,2	33@1500MHz	375	1.76	250	Violet
SD0805CS-561J	560@25MHz	10,5,2	23@1500MHz	340	1.90	230	Orange
SD0805CS-681J	681@25MHz	10,5,2	23@1500MHz	188	2.20	190	Green
SD0805CS-821J	820@25MHz	10,5,2	23@1500MHz	215	2.35	180	Blue

- 1. When ordering, please specify tolerance, termination, and packaging codes:
Tolerance: F=1% G=2% J=5% (Table shows stock tolerances in bold.)
Termination: L=RoHS compliant silver-palladium platinum-glass frit.
Special order: T=RoHS tin-silver-copper (95.5/4/0.5) or S=non-RoHS tin-lead (63/37).
Packaging: C=7" machine-reedy reel.
EIA-481 embossed plastic Tape (2000 parts per full reel). B=Less than full reel. In tape, but not machine reedy. To have a leader and trailer added (\$25 charge) , use Code letter C instead. D=13" machine-reedy reel.
EIA-481 embossed plastic tape. Factory order only, not stocked (7500 parts Per full reel).
- 2. Measurement data obtained at 25°C
- 3. Operating temperature range is -40°C to + 125°C.

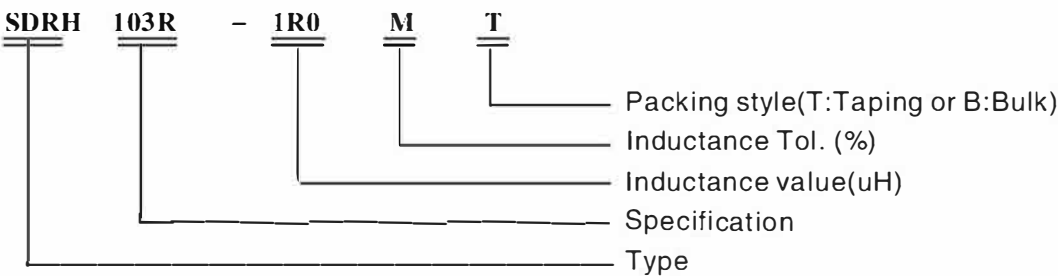
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贴片功率电感 SDRH SERIES



SMD POWER INDUCTORS

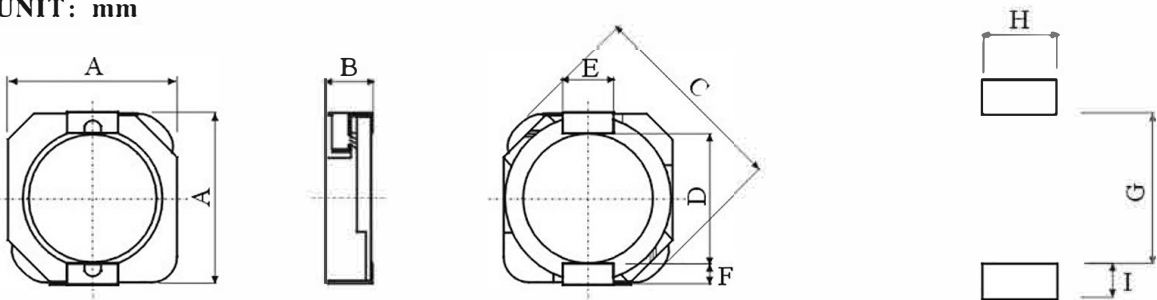
Ordering Code:



Inductance Tol. J: ±5%; K: ±10%; M: ±20%; N: ±30%
Inductance value. 1R0: 1.0(uH); 100:10(uH); 101:100(uH); 102:1000(uH)

Dimensions and Land Patterns

UNIT: mm



Type	A(max)	B(max)	C(max)	D	E	F	G	H	I
SDRH103R	10.50	3.10	13.50	7.70	3.00	1.20	7.30	3.20	1.60
SDRH104R	10.50	4.00	13.50	7.70	3.00	1.20	7.30	3.20	1.60
SDRH105R	10.50	5.10	13.50	7.70	3.00	1.20	7.30	3.20	1.60

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贴片功率电感 SDRH SERIES

SMD POWER INDUCTORS

TYPE:SDRH103R,SDRH104R,SDRH105R

Part NO.	L(H)	SDRH103R		SDRH104R		SDRH105R	
		D.C.R(Ω) MAX.	Rated Current (A)※3	D.C.R(Ω) MAX.	Rated Current (A)※3	D.C.R(Ω) MAX.	Rated Current (A)※3
1R2	1.2u	12m(9m)	4.80	12m(9.5m)	5.40		
1R5	1.5u					5.8m(4.5m)	8.30
1R8	1.8u	14m(11m)	4.50				
2R2	2.2u			17m(13m)	4.95	7.2m(5.6m)	7.50
2R7	2.7u	18m(14m)	4.10				
3R3	3.3u			22m(17m)	4.35	10.5m(8.0m)	6.50
3R9	3.9u	22m(17m)	3.76	26m(20m)	4.05		
4R7	4.7u					12.5m(9.5m)	6.10
5R6	5.6u			33m(25m)	3.80		
6R8	6.8u	36m(28m)	3.10			18m(14m)	5.40
8R2	8.2u	42m(32m)	3.00			20m(16m)	4.85
100	10u	52m(40m)	2.80	60m(46m)	3.15	26m(20m)	4.45
150	15u	62m(48m)	2.10	78m(60m)	2.90	41m(32m)	3.40
220	22u	91m(70m)	1.80	107m(82m)	2.50	61m(47m)	2.90
330	33u	150m(115m)	1.53	133m(102m)	2.00	84m(65m)	2.50
470	47u	208m(160m)	1.34	241m(185m)	1.80	130m(100m)	2.00
560	56u	228m(175m)	1.19	260m(200m)	1.62	149m(115m)	1.90
680	68u	289m(222m)	1.13	338m(260m)	1.35	201m(155m)	1.60
820	82u	312m(240m)	1.04	384m(295m)	1.26	227m(175m)	1.45
101	100u	377m(290m)	960m	429m(330m)	1.17	253m(195m)	1.35
121	120u	449m(345m)	882m			303m(233m)	1.18
151	150u	607m(467m)	747m	611m(470m)	1.05	370m(285m)	1.10
181	180u	676m(520m)	688m			420m(322m)	1.00
221	220u	826(635m)	666m	939m(722m)	900m	500m(385m)	940m
271	270u	933(718m)	580m	1.17(900m)	720m	672m(512m)	800m
331	330u	1.14(880m)	513m	1.30(1.00)	530m	812m(625m)	730m
391	390u	1.43(1.10)	490m	1.56(1.20)	450m	953m(733m)	700m
471	470u	1.61(1.24)	450m	1.76(1.35)	405m	1.29(992m)	540m
561	560u					1.43(1.10)	520m
681	680u					1.60(1.23)	510m
821	820u					1.78(1.37)	480m
102	1.0m					2.00(1.54)	420m

- 1.测试频率：(F)/Measuring Frequency
L≤8.2uH 100KHz/0.25V
L≥10uH 1KHz/0.25V
- 2.电感公差范围：/Tolerance of Inductance
L≤8.2uH ±30%
L≥10uH ±20%
- ※3.额定电流：/Rated Current
额定电流：电感值下降至初期值的35%或温度上升至40度时的直流电流值中的最小值。(环境温度20度)
Rated Current: This indicates the value of current when the inductance is 35% lower than its initial Value at D.C. superposition or D.C. current when ΔT=40℃ whichever is lower. (Ta=20℃)
4. 无铅制品：/Lead-free Products
※测试仪器：HP4284A&HP42841A;502BC;CH1062。

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一体成型电感 INTEGRATED INDUCTANCE

一体成型电感 INTEGRATED INDUCTANCE

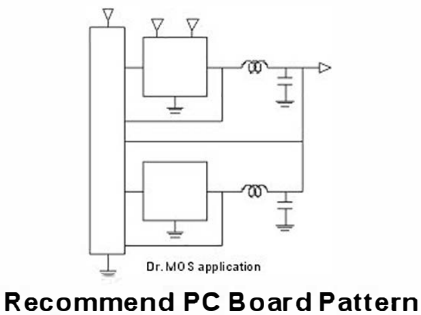
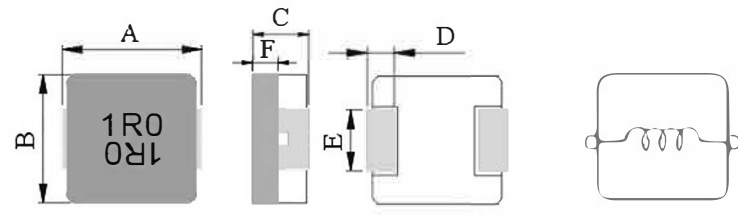
1.FEATURES

- 1.Magnetic metal powder inductor.
- 2.Compact design.
- 3.High current, low DCR, high efficiency.
- 4.Very low acoustic noise and very low leakage flux noise.
- 5.High reliability.
- 6.100% Lead(Pb)-Free and RoHS compliant.

2.APPLICATIONS

Note PC power system, incl. IMVP-6
DC/DC converter

3. DIMENSIONS



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	L(mm)	G(mm)	H(mm)
CHPC0603H	7.3±0.3	6.6±0.3	2.8±0.2	1.8±0.3	3.0±0.3	0~2.0	8.4	2.5	3.5
CHPC0605H	7.3±0.3	6.6±0.3	4.8±0.2	1.8±0.3	3.0±0.3	0~3.0	8.4	2.5	3.5

CHPC 0605 H - 1R0 M
A B C D E

Note: 侧面可Coating 0~2.5mm.

4. PART NUMBERING

- A: Series
- B: Dimension Ax C
- C: Type Magnetic metal powder
- D: Inductance 1R0=1.0μH
- E: Inductance Tolerance M=±20% Y=±30%
- F: Control S/N 涂装灰色系列(正面涂装); 印字: 喷码或移印, 颜色: 黑色, 双向印字

5.SPECIFICATION

Part Number	Inductance L0 (uH)@ 0 A	I rms (A) Typ.	I sat (A) Typ.	DCR(mΩ) Typ.@25℃	DCR(mΩ) Max.@25℃
CHPC0603H-R10Y-Z01	0.10±30%	32.5	60.0	1.2	1.7
CHPC0603H-R19Y-Z01	0.19±30%	24.0	41.0	2.4	3.0
CHPC0603H-R20Y-Z01	0.20±30%	24.0	41.0	2.4	3.0
CHPC0603H-R22M-Z01	0.22±20%	23.0	40.0	2.1	2.8
CHPC0603H-R25M-Z01	0.25±20%	21.0	39.0	3.3	3.5
CHPC0603H-R33M-Z01	0.33±20%	20.0	32.0	3.5	3.9
CHPC0603H-R36M-Z01	0.36±20%	19.0	32.0	3.6	4.2
CHPC0603H-R47M-Z01	0.47±20%	17.5	26.0	4.0	4.2
CHPC0603H-R56M-Z01	0.56±20%	16.5	25.5	4.7	5.0
CHPC0603H-R68M-Z01	0.68±20%	15.5	25.0	4.8	5.5
CHPC0603H-R82M-Z01	0.82±20%	13.0	24.0	6.7	8.0
CHPC0603H-R90M-Z01	0.90±20%	11.0	22.0	8.3	10
CHPC0603H-1R0M-Z01	1.00±20%	11.0	22.0	8.3	10
CHPC0603H-1R2M-Z01	1.20±20%	10.0	20.0	10	12
CHPC0603H-1R5M-Z01	1.50±20%	9.0	18.0	13	15
CHPC0603H-2R2M-Z01	2.20±20%	8.0	14.0	18	20
CHPC0603H-2R5M-Z01	2.50±20%	7.0	13.0	20	22
CHPC0603H-3R3M-Z01	3.30±20%	6.0	13.5	28	30
CHPC0603H-4R7M-Z01	4.70±20%	5.5	10.0	37	40
CHPC0603H-5R6M-Z01	5.60±20%	5.0	9.0	43	48
CHPC0603H-6R8M-Z01	6.80±20%	4.5	8.0	54	60
CHPC0603H-8R2M-Z01	8.20±20%	4.0	7.5	64	68
CHPC0603H-100M-Z01	10.0±20%	3.5	6.0	75	85
CHPC0603H-120M-Z01	12.0±20%	3.3	5.5	81	93
CHPC0603H-150M-Z01	15.0±20%	3.0	5.0	104	120
CHPC0603H-180M-Z01	18.0±20%	2.5	4.0	140	160
CHPC0603H-220M-Z01	22.0±20%	2.0	3.5	165	190
CHPC0605H-R47M-Z01	0.47	22	30	3.5	3.9
CHPC0605H-R56M-Z01	0.56	20	27	3.6	4.2
CHPC0605H-R68M-Z01	0.68	18	24	4.0	4.5
CHPC0605H-R82M-Z01	0.82	16.5	22	4.6	4.9
CHPC0605H-1R0M-Z01	1.00	15	20	6.1	6.5
CHPC0605H-1R2M-Z01	1.20	14	18	6.7	7.5
CHPC0605H-1R5M-Z01	1.50	12	16.5	8.6	9.0
CHPC0605H-2R2M-Z01	2.20	10	14	11.2	12.0
CHPC0605H-3R3M-Z01	3.30	8	12	19	20.9
CHPC0605H-4R7M-Z01	4.70	6.5	10	28	30.8
CHPC0605H-5R6M-Z01	5.60	6.0	9.0	43.5	49
CHPC0605H-6R8M-Z01	6.80	5.5	8.5	46	51.5
CHPC0605H-8R2M-Z01	8.20	5.0	8.0	56	63
CHPC0605H-100M-Z01	10.0	4.0	7.5	60	69

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一体成型电感 INTEGRATED INDUCTANCE

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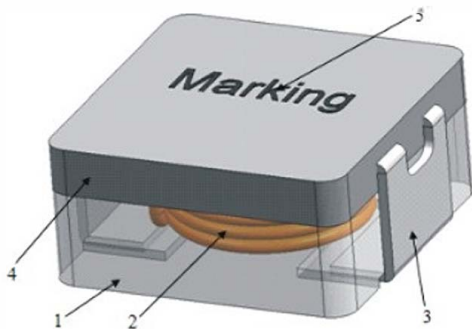
SPECIFICATION

Part Number	Inductance L0 (uH)@ 0 A	I rms (A) Typ.	I sat (A) Typ.	DCR(mΩ) Typ.@25℃	DCR(mΩ) Max.@25℃
TMPC1004H-R15Y-Z01	0.15±30%	40	75	0.5	0.65
TMPC1004H-R20Y-Z01	0.20±30%	38	60	0.7	0.8
TMPC1004H-R22M-Z01	0.22±20%	35	60	0.8	1.0
TMPC1004H-R36M-Z01	0.36±20%	31	60	1.05	1.2
TMPC1004H-R39M-Z01	0.39±20%	30	60	1.1	1.3
TMPC1004H-R41M-Z01	0.41±20%	30	60	1.1	1.3
TMPC1004H-R45M-Z01	0.45±20%	29	45	1.3	1.5
TMPC1004H-R47M-Z01	0.47±20%	28	43	1.3	1.5
TMPC1004H-R56M-Z01	0.56±20%	25	40	1.6	1.8
TMPC1004H-R68M-Z01	0.68±20%	22	39	2.4	2.7
TMPC1004H-R75M-Z01	0.75±20%	21	38	2.6	2.9
TMPC1004H-R78M-Z01	0.78±20%	21	38	2.6	2.9
TMPC1004H-R88M-Z01	0.88±20%	20	38	2.7	3.0
TMPC1004H-1R0M-Z01	1.00±20%	18	36	3.0	3.3
TMPC1004H-1R2M-Z01	1.20±20%	17	33	3.4	4.0
TMPC1004H-1R5M-Z01	1.50±20%	16	31	4.0	4.6
TMPC1004H-2R2M-Z01	2.20±20%	12	27	6.5	7.0
TMPC1004H-3R3M-Z01	3.30±20%	11	20	10.8	11.8
TMPC1004H-4R7M-Z01	4.70±20%	10	17	15.0	15.5
TMPC1004H-5R6M-Z01	5.60±20%	9.0	14	17.0	19.3
TMPC1004H-6R8M-Z01	6.80±20%	8.5	13.5	17.5	23.3
TMPC1004H-8R2M-Z01	8.20±20%	8.0	12.5	20	22.5
TMPC1004H-100M-Z01	10.0±20%	7.5	12.0	27.0	30
TMPC1004H-120M-Z01	12.0±20%	7.0	11.5	37	42
TMPC1004H-150M-Z01	15.0±20%	6.25	10	40	45
TMPC1004H-180M-Z01	18.0±20%	5.5	9.0	56	62
TMPC1004H-220M-Z01	22.0±20%	5.0	7.0	64	74

Note:

- 1. Test frequency : L : 100KHz /1.0V;
- 2. All test data referenced to 25℃ ambient.
- 3. Testing Instrument : L/Q: HP4284A,CH11025,CH3302,CH1320 ,CH1320S LCR METER / Rdc:CH16502, Agilent33420A MICRO OHMMETER.
- 4. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃ (keep 1min.).
- 5. Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- 6. The part temperature (ambient + temp rise) should not exceed 125℃ under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- 7. Special inquiries besides the above common used types can be met on your requirement.

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6. MATERIAL LIST

	Items	Materials
1	Core	Magnetic metal powder or equ.
2	Wire	Polyester Wire or equivalent.
3	Solder Plating	100% Pb free solder
4	paint	Epoxy resin
5	Ink	Halogen-free ketone

7. RELIABILITY AND TEST CONDITION

Item	Performance	Test Condition
Operating temperature	-40~+125℃	
Storage temperature and Humidity range	-40~+125℃,50~60%RH (Product without taping)	
Electrical Performance Test		
Inductance	Refer to standard electrical characteristics list.	HP4284A,CH11025,CH3302, CH1320,CH1320SLCR Meter.
DCR		CH16502,Agilent33420A Micro-Ohm Meter.
Saturation Current (Isat)	ΔL20% typical.	Saturation DC Current (Isat) will cause L0 to drop ΔL(%)(keep quickly).
Heat Rated Current (Irms)	Approximately ΔT≤40℃	Heat Rated Current (Irms) will cause the coil temperature rise ΔT(℃) without core loss. 1.Applied the allowed DC current(keep 1 min.). 2.Temperature measured by digital surface thermometer.

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RELIABILITY TEST		
High Temperature Exposure Test	Electric specifications should be satisfied	Temperature: $125 \pm 2^{\circ}\text{C}$ Duration: $1000 \pm 12\text{hrs.}$ Measured at room temperature after placing for 2 to 3hrs. (MIL-PRF-27)
Biased Humidity Test		Humidity: $85 \pm 3\%\text{RH.}$ Temperature: $85 \pm 2^{\circ}\text{C.}$ Duration: $1000 \pm 12\text{hrs.}$ Measured at room temperature after placing for 2 to 3hrs (AEC-Q200-REV C)
Thermal shock test		Condition for 1 cycle Step1: $-40+0 / -2^{\circ}\text{C.}$ $15 \pm 1\text{ min.}$ Step2: Room temperature within $\leq 0.2\text{ min.}$ Step3: $+125+2 / -0^{\circ}\text{C}$ $15 \pm 1\text{ min.}$ Number of cycles: 300 Measured at room temperature after placing for 2 to 3 hrs. (AEC-Q200-REV C)
Vibration test		Frequency: 10-2000-10Hz for 20 min. Amplitude: Parts mounted within 2" from any secure point. Directions and times: X, Y, Z directions for 20 min. This cycle shall be performed 12 times in each of three mutually perpendicular directions (Total 12hours). (MIL-STD-202 Method 204 D Test condition B)
Reflow test		Pre-heat: $150 \pm 5^{\circ}\text{C}$ Duration: 5 minutes Temperature: $260 \pm 5^{\circ}\text{C}$, 20-40 seconds (IPC/JEDEC J-STD-020C)
Solder test	Terminals should be covered by over 95% solder on visual inspection	After dip into flux, dip into solder $235 \pm 5^{\circ}\text{C}$, $4 \pm 1\text{seconds}$ Flux 、solder for lead free (ANSI /J-STD-002C Method B)

一体成型电感 INTEGRATED INDUCTANCE

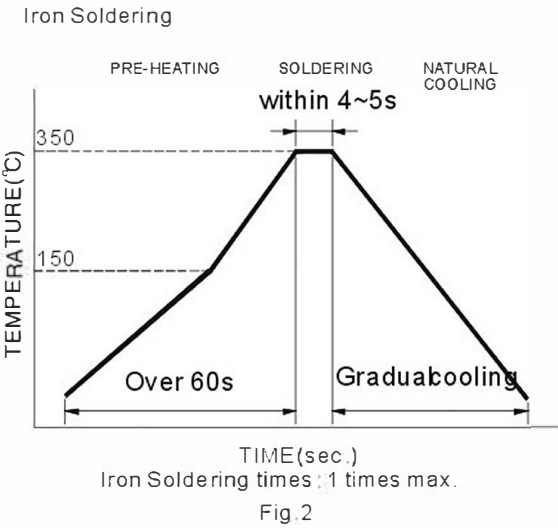
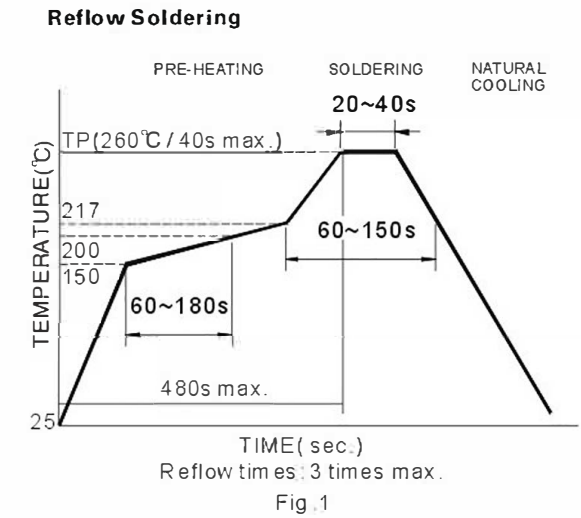
8. SOLDERING AND MOUNTING

(1) Soldering:
Mildly activated rosin fluxes are preferred. The minimum amount of solder can lead to damage from the stresses caused by the difference in coefficients of expansion between solder, chip and substrate. The terminations are suitable for re-flow soldering systems. If hand soldering cannot be avoided, the preferred technique is the utilization of hot air soldering tools.

(2) Solder re-flow:
Recommended temperature profiles for re-flow soldering in Figure 1.

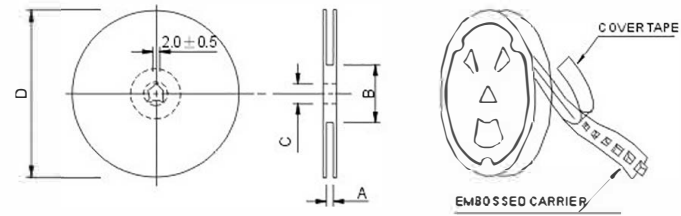
(3)Soldering Iron:
Products attachment with a soldering iron is discouraged due to the inherent process control limitations. In the event that a soldering iron must be employed the following precautions are recommended.

- ◆ Preheat circuit and products to 150°C
- ◆ Never contact the ceramic with the iron tip
- ◆ Use a 20 watt soldering iron with tip diameter of 1.0mmM
- ◆ 355°C tip temperature (max)
- ◆ 1.0mm tip diameter (max)
- ◆ Limit soldering time to 4~5sec.



9. PACKAGING INFORMATION

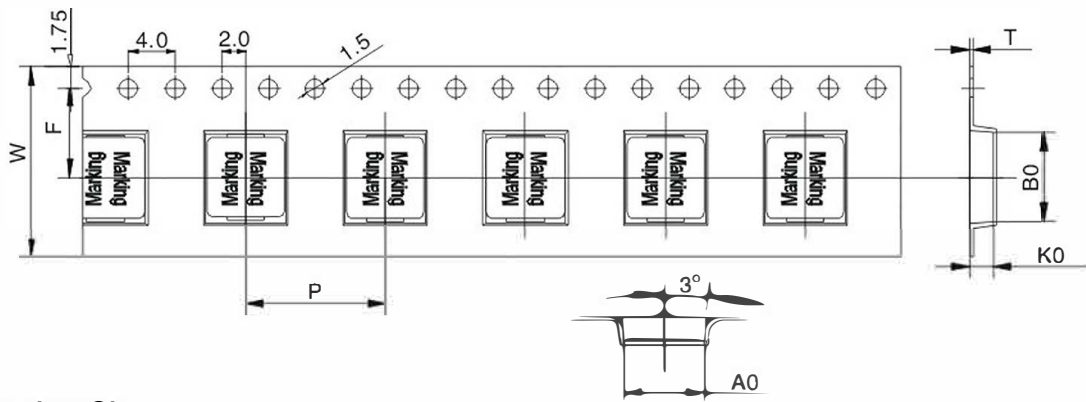
(1) Reel Dimension



Type	A(mm)	B(mm)	C(mm)	D(mm)
13" x 24mm	24.0 ± 0.5	100 ± 2	13.5 ± 0.5	330

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(2) Packaging Size

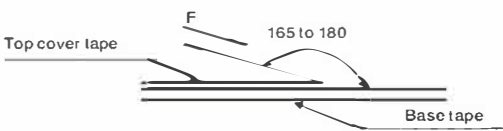
Series	Size	Bo(mm)	Ao(mm)	Ko(mm)	P(mm)	W(mm)	F(mm)	t(mm)
CHPC	0603	7.7±0.1	7.0±0.1	3.3±0.1	12.0±0.1	16±0.3	7.5±0.1	0.35±0.05
CHPC	0605	7.7±0.1	7.0±0.1	5.3±0.1	12.0±0.1	16±0.3	7.5±0.1	0.35±0.05
CHPC	1004	11.6±0.1	10.4±0.1	4.3±0.1	16.0±0.1	24±0.3	11.5±0.1	0.35±0.05

(3) Packaging Quantity

CHPC	1004
Chip / Reel	500
Inner box	1000
Carton	4000

Room Temp. (°C)	Room Humidity (%)	Room aCH (hPa)	Tearing Speed mm/min
5~35	45~85	860~1060	300

(4) Tearing Off Force



The force for tearing off cover tape is 10 to 130 grams in the arrow direction under the following conditions (referenced ANSI/EIA-481-C-2003 of 4.11 standard)

Room Temp. (°C)	Room Humidity (%)	Room aCH (hPa)	Tearing Speed mm/min
5~35	45~85	860~1060	300

APPLICATION NOTICE

◆Storage Conditions

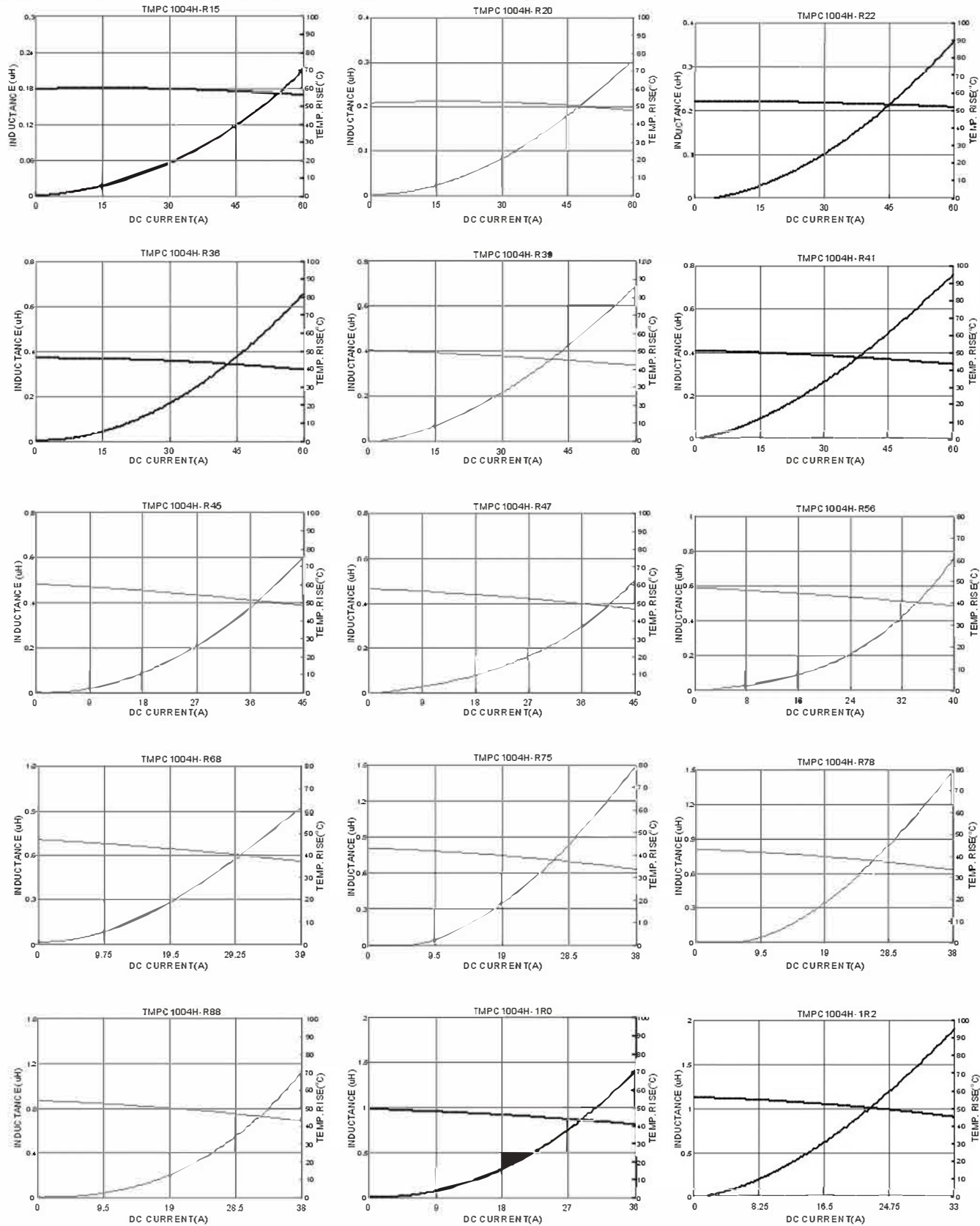
To maintain the solder ability of terminal electrodes:

1. Pulin products meet IPC/JEDEC J-STD-020D standard-MSL, level 2.
2. Temperature and humidity conditions: Less than 30°C and 70% RH.
3. Recommended products should be used within 6 months form the time of delivery.
4. The packaging material should be kept where no chlorine or sulfur exists in the air.

◆Transportation

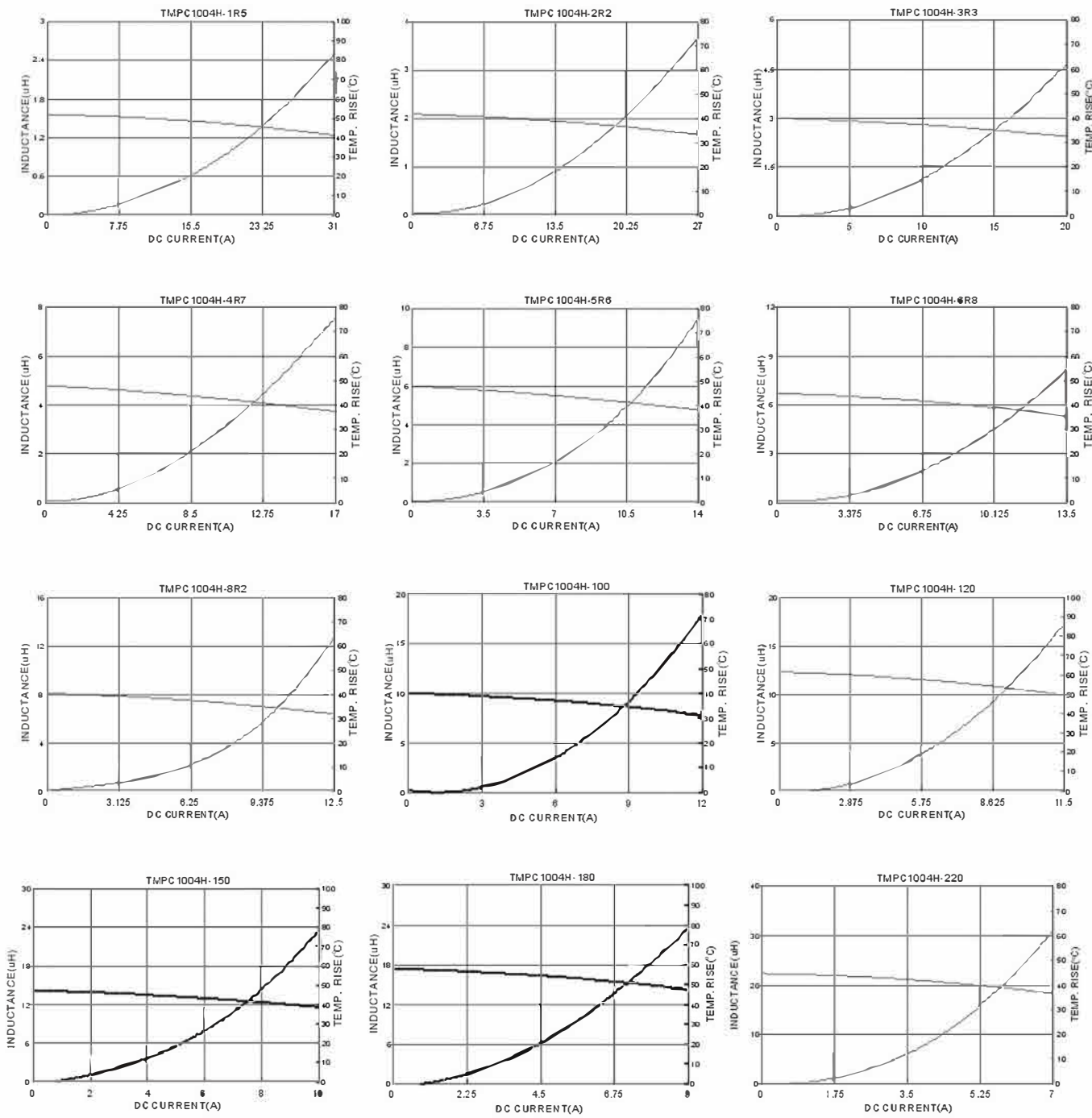
1. Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
2. The use of tweezers or vacuum pick up is strongly recommended for individual components.
3. Bulk handling should ensure that abrasion and mechanical shock are minimized.

10. TYPICAL PERFORMANCE CURVES

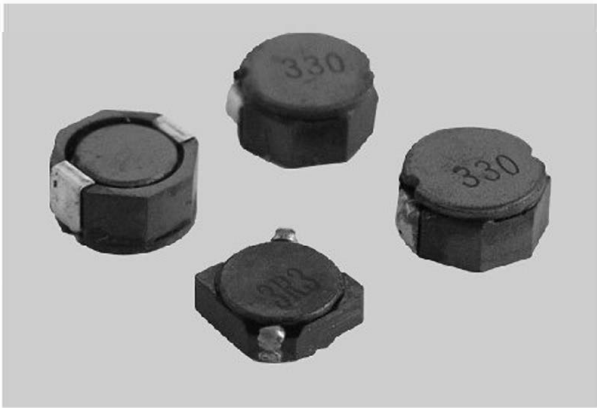


一体成型电感 INTEGRATED INDUCTANCE

CDH SERIES



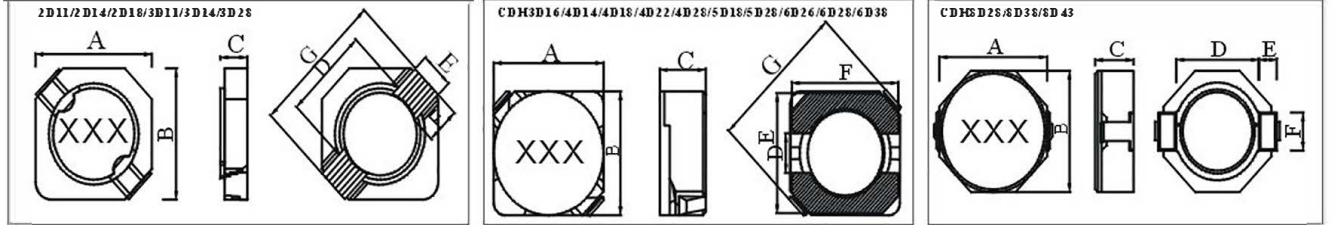
- FEATURES
Various high power inductors are superior To be high saturation for surface mounting.
- 特性
具有高功率、强力饱和电流、低阻抗、小型化之特性。
- APPLICATIONS
Power supply for VTR,OA equipment
Digital camera,LCD television set
notebook PC ,portable communication equipments,DC/DC converters,etc.
- 用途
录影机、OA仪器,数码相机、液晶电视,笔记型电脑、小型通信机器、DC/DC变压器之电源供应器等。



●PART NUMBERING SYSTEM (品名系统)

CDH	3	D	1	6	T	-	1	0	0	N	-	R	-	S	-	L	F	
1	2		3		4		5											
SERIESNAME		DIMENSIONS		INDUCTANCE		TOLERANCECODE		PACKINGCODE										
						J: ± 5%,K: ± 10%,L: ± 15%, R:Tape&Reel(卷装) S:series(系列)												
						M: ± 20%,P: ± 25%,N: ± 30% B:In Bulk (散装) Lf:Lead Free(无铅)												
品名		尺寸		电感值		公差		包装										

●SHAPES AND DIMENSIONS (形状及尺寸)



TYPE(型式)	A	B	C	D	E	F	G
CDH2D11LD/HP	3.2MAX	3.2MAX	1.2MAX	2.1	1.0	0.7	4.5
CDH2D14L	3.2MAX	3.2MAX	1.55MAX	2.1	1.0	0.7	4.5
CDH2D18LD/HP	3.2MAX	3.2MAX	2.0MAX	2.1	1.0	0.7	4.5
CDH3D11L	4.0MAX	4.0MAX	1.2MAX	2.8	1.1		5.2MAX
CDH3D14HP	4.0MAX	4.0MAX	1.5MAX	2.8	1.1		5.2MAX
CDH3D16T	4.0MAX	4.0MAX	1.8MAX	1.15	3.6	3.6	5.2MAX
CDH3D16LD	4.0MAX	4.0MAX	1.8MAX	1.15	3.6	3.6	5.2MAX
CDH3D16HP	4.0MAX	4.0MAX	1.8MAX	1.15	3.6	3.6	5.2MAX
CDH3D28L	4.0MAX	4.0MAX	3.0MAX	2.8	1.1		5.2MAX
CDH4D14HP	4.8MAX	4.8MAX	1.5MAX	1.5	4.5	4.5	6.2MAX
CDH4D18T	5.0MAX	5.0MAX	2.0MAX	1.5	4.5	4.5	6.9MAX
CDH4D22T	5.0MAX	5.0MAX	2.4MAX	1.5	4.5	4.5	6.9MAX
CDH4D28T	5.0MAX	5.0MAX	2.4MAX	1.5	4.5	4.5	6.9MAX
CDH5D18T	6.0MAX	6.0MAX	2.0MAX	2.0	5.5	5.5	8.2MAX
CDH5D28T	6.0MAX	6.0MAX	3.0MAX	2.0	5.5	5.5	8.2MAX
CDH6D28T	7.0MAX	7.0MAX	3.0MAX	2.0	6.5	6.5	9.5MAX
CDH6D38T	7.0MAX	7.0MAX	4.0MAX	2.0	6.5	6.5	9.5MAX
CDH8D28T	8.3MAX	8.3MAX	3.0MAX	6.3	1.2	2.5	
CDH8D38T	8.3MAX	8.3MAX	4.0MAX	6.3	1.2	2.5	
CDH8D43T	8.3MAX	8.3MAX	4.5MAX	6.3	1.2	2.5	

*所有产品的尺寸、电气性能均可按客户要求研发设计

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CDH SERIES

CDH2D11LD SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH2D11LD-1R5N	1.5	0.068	0.9	100KHz
CDH2D11LD-2R2N	2.2	0.098	0.78	100KHz
CDH2D11LD-3R3N	3.3	0.123	1.02	100KHz
CDH2D11LD-4R7N	4.7	0.170	0.5	100KHz
CDH2D11LD-6R8N	6.8	0.260	0.44	100KHz
CDH2D11LD-100N	10	0.4	0.35	100KHz

CDH2D11HP SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH2D11HP-1R5N	1.5	0.080	1.35	100KHz
CDH2D11HP-2R2N	2.2	0.120	1.1	100KHz
CDH2D11HP-3R3N	3.3	0.135	0.9	100KHz
CDH2D11HP-4R7N	4.7	0.238	0.75	100KHz
CDH2D11HP-6R8N	6.8	0.371	0.63	100KHz
CDH2D11HP-100N	10	0.559	0.52	100KHz

CDH2D14L SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH2D14L-1R5N	1.5	0.063	1.8	100KHz
CDH2D14L -2R2N	2.2	0.094	1.5	100KHz
CDH2D14L -3R3N	3.3	0.125	1.2	100KHz
CDH2D14L -4R7N	4.7	0.169	1.0	100KHz
CDH2D14L -6R8N	6.8	0.213	0.85	100KHz
CDH2D14L -100N	10	0.294	0.7	100KHz

CDH2D18LD SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH2D18LD-2R2_	2.2	0.041(0.033)	0.850	100KHz
CDH2D18LD-3R3_	3.3	0.054(0.043)	0.750	100KHz
CDH2D18LD-4R7_	4.7	0.078(0.062)	0.630	100KHz
CDH2D18LD-6R8_	6.8	0.106(0.085)	0.520	100KHz
CDH2D18LD-100_	10	0.180(0.145)	0.430	100KHz
CDH2D18LD-150_	15	0.220(0.175)	0.350	100KHz

CDH2D18HP SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH2D18HP-1R7N	1.7	0.044	1.85	100KHz
CDH2D18HP-2R2N	2.2	0.060	1.6	100KHz
CDH2D18HP-3R3N	3.3	0.086	1.45	100KHz
CDH2D18HP-4R7N	4.7	0.140	1.20	100KHz
CDH2D18HP-6R8N	6.8	0.16	1.05	100KHz
CDH2D18HP-100N	10	0.24	0.85	100KHz

CDH3D11L SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH3D11L-2R7_	2.7	0.065	530	100KHz
CDH3D11L-4R7_	4.7	0.095	400	100KHz
CDH3D11L-6R8_	6.8	0.150	340	100KHz
CDH3D11L-8R2_	8.2	0.190	320	100KHz
CDH3D11L-100_	10	0.200	280	100KHz
CDH3D11L-150_	15	0.320	230	100KHz
CDH3D11L-180_	18	0.400	210	100KHz
CDH3D11L-220_	22	0.450	190	100KHz
CDH3D11L-270_	27	0.650	170	100KHz
CDH3D11L-330_	33	0.700	150	100KHz
CDH3D11L-390_	39	0.850	140	100KHz

CDH3D14HP SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH3D14HP-1R5_	1.5	0.076(0.061)	2.60 2.00	100KHz
CDH3D14HP-2R4_	2.4	0.129(0.103)	2.00 1.50	100KHz
CDH3D14HP-3R2_	3.2	0.139(0.111)	1.80 1.30	100KHz
CDH3D14HP-4R7_	4.7	0.214(0.171)	1.45 1.00	100KHz
CDH3D14HP6R8_	6.8	0.290(0.232)	1.20 0.900	100KHz
CDH3D14HP8R2_	8.2	0.440(0.352)	1.00 0.720	100KHz
CDH3D14HP-100_	10	0.650(0.521)	0.800 0.600	100KHz
CDH3D14HP-150_	15	0.830(0.666)	0.650 0.480	100KHz

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CDH SERIES

CDH3D16T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%; Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH3D16T-1R5N	1.5	0.052	1.55	100KHz
CDH3D16T-3R3N	3.3	0.085	1.10	100KHz
CDH3D16T-6R8N	6.8	0.170	0.73	100KHz
CDH3D16T-100N	10	0.210	0.55	100KHz
CDH3D16T-220N	22	0.430	0.40	100KHz
CDH3D16T-330N	33	0.675	0.32	100KHz

CDH3D16LD SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%; Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH3D16LD-3R3_	3.3	0.066(0.053)	0.80	100KHz
CDH3D16LD-4R7_	4.7	0.091(0.073)	0.68	100KHz
CDH3D16LD-5R6_	5.6	0.102(0.082)	0.62	100KHz
CDH3D16LD-6R8_	6.8	0.130(0.104)	0.58	100KHz
CDH3D16LD-8R2_	8.2	0.140(0.112)	0.51	100KHz
CDH3D16LD-100_	10	0.190(0.152)	0.46	100KHz
CDH3D16LD-120_	12	0.205(0.164)	0.42	100KHz
CDH3D16LD-150_	15	0.272(0.218)	0.38	100KHz

CDH3D16HP SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%; Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH3D16HP-1R7_	1.7	0.051(0.041)	2.00	100KHz
CDH3D16HP-2R2_	2.2	0.059(0.047)	1.75	100KHz
CDH3D16HP-3R3_	3.3	0.116(0.093)	1.40	100KHz
CDH3D16HP-4R7_	4.7	0.180(0.145)	1.00	100KHz
CDH3D16HP-5R6_	5.6	0.230(0.185)	0.840	100KHz
CDH3D16HP-6R8_	6.8	0.410(0.328)	0.650	100KHz
CDH3D16HP-8R2_	8.2	0.610(0.488)	0.550	100KHz
CDH3D16HP-100_	10	0.870(0.695)	0.460	100KHz

*所有产品的尺寸、电气性能均可按客户要求研发设计

CDH SERIES

CDH3D28L SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%; Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH3D28L-1R7_	1.7	0.0721(0.0577)	2.00	100KHz
CDH3D28L-3R3_	3.3	0.0883(0.0706)	1.65	100KHz
CDH3D28L-4R7_	4.7	0.119(0.0950)	1.24	100KHz
CDH3D28L-6R8_	6.8	0.145(0.116)	1.05	100KHz
CDH3D28L-100_	10	0.213(0.170)	0.900	100KHz
CDH3D28L-150_	15	0.335(0.268)	0.760	100KHz
CDH3D28L-220_	22	0.481(0.385)	0.580	100KHz
CDH3D28L-330_	33	0.599(0.479)	0.480	100KHz

CDH4D14HP SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%; Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH4D14HP-4R7_	4.7	0.140(0.115)	1.10	100KHz
CDH4D14HP-6R8_	6.8	0.190(0.155)	0.920	100KHz
CDH4D14HP-100_	10	0.280(0.230)	0.750	100KHz

CDH4D18T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%; Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH4D18T-1R0N	1.0	0.045	1.72	100KHz
CDH4D18T-2R2N	2.2	0.075	1.32	100KHz
CDH4D18T-3R9N	3.9	0.155	0.88	100KHz
CDH4D18T-4R7N	4.7	0.162	0.84	100KHz
CDH4D18T-5R6N	5.6	0.170	0.80	100KHz
CDH4D18T-6R8N	6.8	0.200	0.76	100KHz
CDH4D18T-8R2N	8.2	0.245	0.68	100KHz
CDH4D18T-100N	10	0.200	0.61	100KHz
CDH4D18T-150N	15	0.240	0.50	100KHz
CDH4D18T-270N	27	0.441	0.35	100KHz
CDH4D18T-390N	39	0.709	0.30	100KHz

*所有产品的尺寸、电气性能均可按客户要求研发设计

CDH SERIES

CDH4D22T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%; Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH4D22T-1R5_	1.5	0.0183(0.0141)	2.00	100KHz
CDH4D22T-2R3_	2.3	0.0254(0.0195)	1.80	100KHz
CDH4D22T-3R9_	3.9	0.0402(0.0309)	1.30	100KHz
CDH4D22T-4R7_	4.7	0.0559(0.0430)	1.10	100KHz
CDH4D22T-5R6_	5.6	0.0620(0.0477)	1.05	100KHz
CDH4D22T-6R8_	6.8	0.0880(0.0677)	1.00	100KHz
CDH4D22T-8R2_	8.2	0.0965(0.0742)	0.900	100KHz
CDH4D22T-100_	10	0.1024(0.0788)	0.800	100KHz
CDH4D22T-150_	15	0.1274(0.0980)	0.680	100KHz
CDH4D22T-220_	22	0.1997(0.1536)	0.540	100KHz
CDH4D22T-390_	39	0.4512(0.3471)	0.430	100KHz
CDH4D22T-470_	47	0.5004(0.3849)	0.380	100KHz
CDH4D22T-560_	56	0.5554(0.4272)	0.360	100KHz
CDH4D22T-680_	68	0.6341(0.4878)	0.330	100KHz
CDH4D22T-820_	82	0.7946(0.6089)	0.300	100KHz
CDH4D22T-101_	10	0.880(0.670)	0.250	100KHz
CDH4D22T-121_	120	1.140(0.0880)	0.230	100KHz
CDH4D22T-151_	150	1.350(1.040)	0.210	100KHz

CDH4D28T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%; Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH4D28T-1R2N	1.2	0.024	2.56	100KHz
CDH4D28T-2R2N	2.2	0.031	2.04	100KHz
CDH4D28T-3R3N	3.3	0.049	1.57	100KHz
CDH4D28T-5R6N	5.6	0.101	1.17	100KHz
CDH4D28T-8R2N	8.2	0.118	1.04	100KHz
CDH4D28T-120N	12	0.132	0.84	100KHz
CDH4D28T-220N	22	0.235	0.70	100KHz
CDH4D28T-330N	33	0.378	0.56	100KHz
CDH4D28T-470N	47	0.587	0.48	100KHz
CDH4D28T-680N	68	0.699	0.35	100KHz
CDH4D28T-101N	100	1.02	0.29	100KHz
CDH4D28T-151N	150	1.35	0.24	100KHz
CDH4D28T-181N	180	1.54	0.22	100KHz

*所有产品的尺寸、电气性能均可按客户要求进行研发设计

CDH SERIES

CDH5D18T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%; Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH5D18T-4R1N	4.1	0.057	1.95	100KHz
CDH5D18T-5R4N	5.4	0.076	1.60	100KHz
CDH5D18T-6R2N	6.2	0.096	1.40	100KHz
CDH5D18T-8R9N	8.9	0.116	1.25	100KHz
CDH5D18T-100N	10	0.124	1.20	100KHz
CDH5D18T-150N	15	0.196	0.97	100KHz
CDH5D18T-220N	22	0.290	0.80	100KHz
CDH5D18T-330N	33	0.386	0.65	100KHz
CDH5D18T-470N	47	0.595	0.54	100KHz
CDH5D18T-560N	56	0.665	0.50	100KHz
CDH5D18T-680N	68	0.840	0.43	100KHz
CDH5D18T-820N	82	0.978	0.41	100KHz
CDH5D18T-101N	100	1.20	0.36	100KHz

CDH5D28T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%; Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH5D28T-2R5N	2.5	0.018	2.60	100KHz
CDH5D28T-3R0N	3.0	0.024	2.40	100KHz
CDH5D28T-4R2N	4.2	0.031	2.20	100KHz
CDH5D28T-5R3N	5.3	0.038	1.90	100KHz
CDH5D28T-6R2N	6.2	0.045	1.80	100KHz
CDH5D28T-8R2N	8.2	0.053	1.60	100KHz
CDH5D28T-100N	10	0.065	1.30	100KHz
CDH5D28T-150N	15	0.103	1.10	100KHz
CDH5D28T-220N	22	0.122	0.90	100KHz
CDH5D28T-330N	33	0.189	0.75	100KHz
CDH5D28T-470N	47	0.260	0.62	100KHz
CDH5D28T-560N	56	0.305	0.58	100KHz
CDH5D28T-680N	68	0.355	0.52	100KHz
CDH5D28T-820N	82	0.463	0.46	100KHz
CDH5D28T-101N	100	0.520	0.42	100KHz

*所有产品的尺寸、电气性能均可按客户要求进行研发设计

CDH SERIES

CDH6D26T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH6D26T-2R2_	2.2	0.022(0.0162)	3.20	100KHz
CDH6D26T-3R6_	3.6	0.029(0.0213)	2.50	100KHz
CDH6D26T-5R0_	5.0	0.032(0.0234)	2.20	100KHz
CDH6D26T-6R8_	6.8	0.054(0.0400)	1.80	100KHz
CDH6D26T-8R0_	8.0	0.060(0.0440)	1.60	100KHz
CDH6D26T-100_	10	0.071(0.0528)	1.50	100KHz
CDH6D26T-150_	15	0.106(0.0786)	1.20	100KHz
CDH6D26T-220_	22	0.129(0.0954)	1.00	100KHz
CDH6D26T-330_	33	0.203(0.1502)	0.800	100KHz
CDH6D26T-470_	47	0.300(0.2216)	0.700	100KHz
CDH6D26T-560_	56	0.340(0.2514)	0.650	100KHz
CDH6D26T-680_	68	0.347(0.2570)	0.580	100KHz
CDH6D26T-820_	82	0.490(0.3640)	0.530	100KHz
CDH6D26T-101_	100	0.560(0.4148)	0.500	100KHz

CDH6D28T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH6D28T-3R0N	3.0	0.024	3.00	100KHz
CDH6D28T-5R0N	5.0	0.031	2.40	100KHz
CDH6D28T-7R3N	7.3	0.054	2.10	100KHz
CDH6D28T-8R6N	8.6	0.058	1.85	100KHz
CDH6D28T-100N	10	0.065	1.70	100KHz
CDH6D28T-150N	15	0.084	1.40	100KHz
CDH6D28T-220N	22	0.128	1.20	100KHz
CDH6D28T-390N	39	0.210	0.86	100KHz
CDH6D28T-470N	47	0.238	0.80	100KHz
CDH6D28T-560N	56	0.277	0.73	100KHz
CDH6D28T-680N	68	0.304	0.65	100KHz
CDH6D28T-820N	82	0.390	0.60	100KHz
CDH6D28T-101N	100	0.535	0.54	100KHz

*所有产品的尺寸、电气性能均可按客户要求研发设计

CDH SERIES

CDH6D38T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH6D38T-3R3N	3.3	0.020	3.50	100KHz
CDH6D38T-5R0N	5.0	0.024	2.90	100KHz
CDH6D38T-6R2N	6.2	0.027	2.50	100KHz
CDH6D38T-7R4N	7.4	0.031	2.30	100KHz
CDH6D38T-8R7N	8.7	0.034	2.20	100KHz
CDH6D38T-100N	10	0.038	2.00	100KHz
CDH6D38T-150N	15	0.057	1.60	100KHz
CDH6D38T-220N	22	0.096	1.30	100KHz
CDH6D38T-330N	33	0.124	1.10	100KHz
CDH6D38T-470N	47	0.155	0.95	100KHz
CDH6D38T-560N	56	0.202	0.85	100KHz
CDH6D38T-680N	68	0.234	0.75	100KHz
CDH6D38T-820N	82	0.324	0.70	100KHz
CDH6D38T-101N	100	0.358	0.65	100KHz

CDH8D28T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH8D28T-2R5N	2.5	0.016	5.40	100KHz
CDH8D28T-3R3N	3.3	0.018	4.80	100KHz
CDH8D28T-4R7N	4.7	0.025	4.00	100KHz
CDH8D28T-7R3N	7.3	0.039	3.20	100KHz
CDH8D28T-100N	10	0.047	2.70	100KHz
CDH8D28T-150N	15	0.069	2.20	100KHz
CDH8D28T-220N	22	0.099	1.80	100KHz
CDH8D28T-330N	33	0.156	1.40	100KHz
CDH8D28T-470N	47	0.195	1.25	100KHz
CDH8D28T-680N	68	0.286	0.96	100KHz
CDH8D28T-101N	100	0.430	0.78	100KHz

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CDH SERIES

CDH8D38T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-.35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH8D38T-2R0N	2.0	0.014	6.4	100KHz
CDH8D38T-3R9N	3.9	0.019	5.0	100KHz
CDH8D38T-4R7N	4.7	0.022	4.6	100KHz
CDH8D38T-6R8N	6.8	0.025	4.2	100KHz
CDH8D38T-100N	10	0.036	3.6	100KHz
CDH8D38T-150N	15	0.053	2.6	100KHz
CDH8D38T-220N	22	0.075	2.1	100KHz
CDH8D38T-330N	33	0.125	1.6	100KHz
CDH8D38T-470N	47	0.150	1.4	100KHz
CDH8D38T-680N	68	0.240	1.2	100KHz
CDH8D38T-101N	100	0.360	0.9	100KHz

CDH8D43T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR(max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-.35%;Δt=40℃ 定格电流	TEST FREQUENCY 测试频率
CDH8D43T-2R0N	2.0	0.014	7.0	100KHz
CDH8D43T-3R9N	3.9	0.019	5.9	100KHz
CDH8D43T-4R7N	4.7	0.022	5.6	100KHz
CDH8D43T-6R8N	6.8	0.025	4.4	100KHz
CDH8D43T-100N	10	0.036	4.0	100KHz
CDH8D43T-150N	15	0.053	2.9	100KHz
CDH8D43T-220N	22	0.075	2.6	100KHz
CDH8D43T-330N	33	0.125	2.2	100KHz
CDH8D43T-470N	47	0.150	1.8	100KHz
CDH8D43T-680N	68	0.240	1.5	100KHz
CDH8D43T-101N	100	0.360	1.3	100KHz

*所有产品的尺寸、电气性能均可按客户要求研发设计

SDC SERIES

FEATURES

The Surface Mount Inductors are designed for the Smallest possible size and high performance.Theyare with high energy storage and very Low resistance making them the ideal inductors for DC-DC conversion in the following applications.

特性

表面贴装高功率电感,具有小型化,高品质,高能量储存和低阻值之特性。

APPLICATIONS

VGA display card,Notebook Computers, PDAs Step-up and step-down converters, Flash Memory programmers,etc.

用途

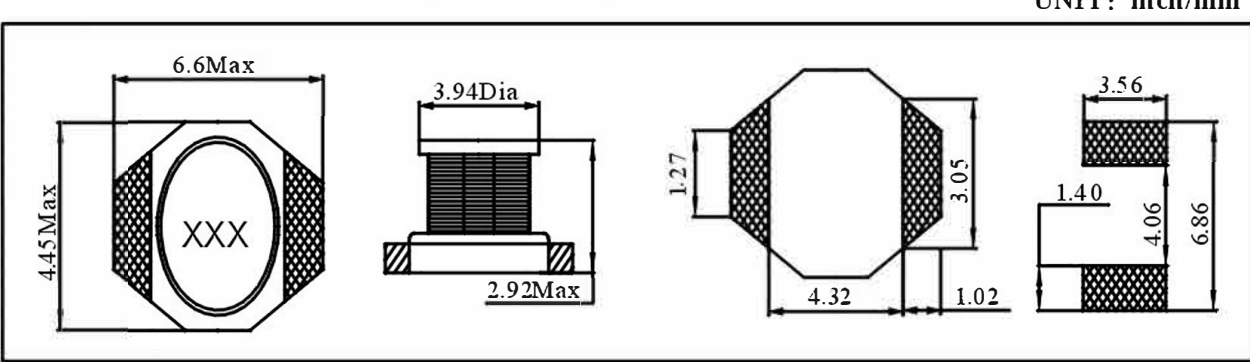
电脑显示板卡,笔记本电脑,后置偏转加速电极,升降压转换器,脉动记忆程序设计等。



PART NUMBERING SYSTEM(品名系统)

SD	C	1	6	0	8	F	-	1	0	0	M	-	R	-	S	-	L	F
1		2				3		4			5		6					
SERIESNAME		DIMENSIONS				TYPE		INDUCTANCE		TOLERANCECODE		PACKINGCODE						
C-CERAMICBASE(陶瓷基座)						C-WITH-RI(有磁罩)		J: ±5%,K: ±10%,L: ±15%, R:Tape&Reel(卷装)		S:series(系列)								
P-LCP BASE (LCP基座)						F-WITHOUT RI(无磁罩)		M: ±20%,P: ±25%,N: ±30% B:In Bulk (散装)		Lf:Lead Free(无铅)								
品名		尺寸				型式		电感值		公差		包装						

SHAPES AND DIMENSIONS(形状及尺寸)



*所有产品的尺寸、电气性能均可按客户要求研发设计

SDC SERIES

SDC1608F SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	SRF (typ.) (MHz) 自谐频率	Isat (A) 定格电流	Irms (Arms) 定格电流
SDC1608F-1R0M	1.0	0.05	130	2.90	2.9
SDC1608F-1R5M	1.5	0.05	115	2.60	2.8
SDC1608F-2R2M	2.2	0.07	90	2.30	2.4
SDC1608F-3R3M	3.3	0.08	70	2.00	2.0
SDC1608F-4R7M	4.7	0.09	50	1.50	1.5
SDC1608F-6R8M	6.8	0.13	45	1.20	1.4
SDC1608F-100M	10.00	0.16	35	1.10	1.2
SDC1608F-150M	15.00	0.23	30	0.90	1.1
SDC1608F-220M	22.00	0.37	20	0.70	0.8
SDC1608F-330M	33.00	0.51	15	0.58	0.6
SDC1608F-470M	47.00	0.64	14	0.50	0.5
SDC1608F-680M	68.00	0.86	11	0.40	0.4
SDC1608F-101M	100.00	1.27	9	0.31	0.3
SDC1608F-151M	150.00	2.00	6	0.27	0.25
SDC1608F-221M	220.00	2.65	5.5	0.22	0.20
SDC1608F-331M	330.00	3.80	5	0.18	0.16
SDC1608F-471M	470.00	5.06	4	0.16	0.15
SDC1608F-681M	680.00	9.20	3	0.14	0.12
SDC1608F-102M	1000.00	13.80	2	0.10	0.07

- 1. Testd at 100KHz,0.1Vrms.
- 2. Inductance drop=0% typ.at rated Isat.
- 3. ΔT=15℃ rise typ.at Irms.
- 4. Operating temperature range-40℃ to +85℃
- 5. Electrical specifications at 25℃.

SDC SERIES

SDC 1608C SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	Q(min) 品质因数	DCR (max) (Ω) 直流电阻	SRF (typ.) (MHz) 自谐频率	IDC(A) (max) 定格电流
SDC1608C-1R0N	1.0	30@200HKz	0.040	250	3.00
SDC1608C-1R5N	1.5	30@200HKz	0.045	125	2.80
SDC1608C-2R2N	2.2	40@200KHz	0.050	120	1.80
SDC1608C-3R3N	3.3	40@200KHz	0.055	120	1.60
SDC1608C-4R7N	4.7	40@200KHz	0.060	105	1.40
SDC1608C-6R8N	6.8	40@200KHz	0.065	50	1.20
SDC1608C-100N	10.00	40@200KHz	0.075	38	1.00
SDC1608C-150N	15.00	40@100KHz	0.090	33	0.80
SDC1608C-220N	22.00	40@100KHz	0.11	25	0.70
SDC1608C-330N	33.00	40@100KHz	0.19	20	0.60
SDC1608C-470N	47.00	40@100KHz	0.23	20	0.50
SDC1608C-680N	68.00	40@100KHz	0.29	15	0.40
SDC1608C-101M	100.00	40@100KHz	0.48	10	0.30
SDC1608C-51M	150.00	40@100KHz	0.59	9	0.26
SDC1608C-221M	220.00	40@100KHz	0.77	6	0.22
SDC1608C-331M	330.00	40@100KHz	1.40	5	0.20
SDC1608C-471M	470.00	40@100KHz	1.80	4	0.19
SDC1608C-681M	680.00	40@100KHz	2.20	3	0.18
SDC1608C-102M	1000.00	40@100KHz	3.40	2	0.15
SDC1608C-152M	1500.00	50@100KHz	4.20	2	0.12
SDC1608C-222M	2200.00	50@100KHz	8.50	2	0.10
SDC1608C-332M	3300.00	50@100KHz	11.00	1	0.08
SDC1608C-472M	4700.00	50@100KHz	13.90	1	0.06
SDC1608C-682M	6800.00	50@100KHz	25.00	1	0.04
SDC1608C-103M	10000.00	50@100KHz	32.80	0.8	0.02

- 1.Inductance tested at 100KHz,0.1Vrms.
- 2.30℃ temperature rise.
- 3.Operating temperature range -40℃ to +85℃.
- 4.Electrical specifications at25℃

*所有产品的尺寸、电气性能均可按客户要求研发设计

*所有产品的尺寸、电气性能均可按客户要求研发设计

SDC SERIES

SDC 1608DT SERIES
SPECIFICATION TABLE:

SPECIFICATIONS				OPEATING PARAMETERS			
PART NUMBER 品名	0Adc INDUC-TANCE (μH) @100KHz 电感值	DCR(max) (Ω) 直流电阻	SRF(typ.) (MHz) 自谐频率	INDUC-TANCE RATNG (μH) 电感值	CURRENT RATING (A) 定格电流	Max. ENERGY STORAGE (μ Joules) 能量储藏	Max. SWITCHING FREQUENCY 转变频率
SDC1608DT-1R0M	1.0	0.065	180	0.60	2.0	1.8	1MHz
SDC1608DT-1R5M	1.5	0.070	120	0.80	1.9	1.8	1MHz
SDC1608DT-2R2M	2.2	0.075	100	0.90	1.5	1.8	1MHz
SDC1608DT-3R3M	3.3	0.080	70	1.5	1.2	1.4	1MHz
SDC1608DT-4R7M	4.7	0.085	60	2.0	1.2	1.6	1MHz
SDC1608DT-6R8M	6.8	0.090	50	3.0	1.0	1.9	1MHz
SDC1608DT-100M	10	0.125	45	5.0	0.7	1.2	1MHz
SDC1608DT-150M	15	0.135	35	6.0	0.6	1.1	1MHz
SDC1608DT-220M	22	0.160	25	10	0.5	1.2	1MHz
SDC1608DT-330M	33	0.275	20	12	0.45	1.5	1MHz
SDC1608DT-470M	47	0.300	17	20	0.34	1.3	1MHz
SDC1608DT-680M	68	0.575	14	30	0.29	1.4	1MHz
SDC1608DT-101M	100	1.10	12	40	0.24	1.5	1MHz
SDC1608DT-151M	150	1.40	7	60	0.20	1.4	500KMHz
SDC1608DT-221M	220	2.25	7	90	0.17	1.6	500KMHz
SDC1608DT-331M	330	2.90	6	100	0.16	1.4	500KMHz
SDC1608DT-471M	470	3.60	4	150	0.14	1.5	500KMHz
SDC1608DT-681M	680	4.55	3.5	200	0.12	1.4	500KMHz
SDC1608DT-102M	1000	8.10	2.5	400	0.08	1.4	500KMHz

- 1.Measured at the rated current. Refer to curves below for more detail.
- 2.Average maximum allowable current.

DT Series inductors are designed for current spikes as high as 2xthe current rating.
- 3.Operating temperature range -40℃to +85℃.
- 4.Electrical specifications at 25℃

*所有产品的尺寸、电气性能均可按客户要求研发设计

SDP SERIES

SDP1813F SERIES
SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	SRF (typ.) (MHz) 自谐频率	Isat (A) 定格电流	Irms (Arms) 定格电流
SDP1813F-R18M	0.18	0.003	800	14.0	10.0
SDP1813F-R33M	0.33	0.004	600	10.0	7.0
SDP1813F-R56M	0.56	0.010	200	7.7	6.0
SDP1813F-1R2M	1.2	0.017	140	5.3	4.4
SDP1813F-2R2M	2.2	0.035	100	3.5	3.1
SDP1813F-3R3M	3.3	0.040	80	3.0	2.7
SDP1813F-4R7M	4.7	0.054	50	2.6	2.2
SDP1813F-6R8M	6.8	0.080	45	2.2	1.8
SDP1813F-100M	10	0.111	40	1.9	1.5
SDP1813F-220M	22	0.250	25	1.2	1.0
SDP1813F-330M	33	0.350	20	0.99	0.82
SDP1813F-470M	47	0.470	15	0.87	0.72
SDP1813F-680M	68	0.730	10	0.67	0.56
SDP1813F-101M	100	1.110	8	0.53	0.47

SDP3308F SERIES
SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	SRF (typ.) (MHz) 自谐频率	Isat (A) 定格电流	Irms (Arms) 定格电流
SDP3308F-100M	10	0.11	35	2.4	2.0
SDP3308F-150M	15	0.15	33	2.0	1.5
SDP3308F-220M	22	0.23	25	1.6	1.3
SDP3308F-330M	33	0.30	19	1.4	1.1
SDP3308F-470M	47	0.39	14	1.0	0.8
SDP3308F-680M	68	0.66	12	0.9	0.7
SDP3308F-101M	100	0.84	10	0.7	0.6
SDP3308F-151M	150	1.2	8	0.6	0.5
SDP3308F-221M	220	1.9	6	0.5	0.4
SDP3308F-331M	330	2.7	5	0.4	0.3
SDP3308F-471M	470	4.0	4	0.3	0.2
SDP3308F-681M	680	5.3	3	0.2	0.1
SDP3308F-102M	1000	8.4	2.5	0.1	0.05

- 1.Inductance tested at 100KHz,0.1Vrms.
- 2.Inductance drop=10% typ. at rated Isat.
- 3.ΔT=30℃ rise typ.at Irms.
- 4.Operating temperature range-40℃ to +85℃
- 5.Electrical specifications at 25℃.

*所有产品的尺寸、电气性能均可按客户要求研发设计

SDP SERIES

SDP3316F SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	SRF (typ.) (MHz) 自谐频率	Isat (A) 定格电流	Irms (Arms) 定格电流
SDP3316F-1R0M	1.00	0.009	100	9.0	6.8
SDP3316F-1R5M	1.50	0.010	90	8.0	6.4
SDP3316F-2R2M	2.20	0.012	80	7.0	6.1
SDP3316F-3R3M	3.30	0.015	65	6.4	5.4
SDP3316F-4R7M	4.70	0.018	45	5.4	4.8
SDP3316F-6R8M	6.80	0.027	38	4.6	4.4
SDP3316F-100M	10.00	0.038	30	3.8	3.9
SDP3316F-150M	15.00	0.046	27	3.0	3.1
SDP3316F-220M	22.00	0.085	19	2.6	2.7
SDP3316F-330M	33.00	0.10	15	2.0	2.1
SDP3316F-470M	47.00	0.14	12	1.6	1.8
SDP3316F-680M	68.00	0.20	10	1.4	1.5
SDP3316F-101M	100.00	0.28	9	1.2	1.3
SDP3316F-151M	150.00	0.40	6	1.0	1.0
SDP3316F-221M	220.00	0.61	5	0.8	0.8
SDP3316F-331M	330.00	1.02	4.5	0.6	0.6
SDP3316F-471M	470.00	1.27	3.5	0.5	0.5
SDP3316F-681M	680.00	2.02	2.5	0.4	0.4
SDP3316F-102M	1000.00	3.00	2.0	0.3	0.3

- 1.Inductance tested at 100KHz,0.1Vrms.
- 2.SRF > 13MHz measured using Agilent/HP8753D network analyzer;
< 13MHz using Agilent/HP4192A.
- 3.Inductance drop=10%typ.dt rated Isat.
- 4.ΔT=40℃ rise typ .at Irms.
- 5.Operating temperature range -40℃ to +85℃.
- 6.Electrical specifications at 25℃

SDP SERIES

SDP3316C SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUC- TANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	SRF (typ.) (MHz) 自谐频率	Isat (A) 定格电流	Irms (Arms) 定格电流
SDP3316C-1R0M	1.00	0.021	140	5.60	5.0
SDP3316C-1R5M	1.50	0.022	120	5.20	4.5
SDP3316C-2R2M	2.20	0.032	80	5.00	3.8
SDP3316C-3R3M	3.30	0.039	70	3.90	3.3
SDP3316C-4R7M	4.70	0.054	40	3.20	2.7
SDP3316C-6R8M	6.80	0.075	38	2.80	2.2
SDP3316C-100M	10.00	0.101	35	2.40	2.0
SDP3316C-150M	15.00	0.150	25	2.00	1.5
SDP3316C-220M	22.00	0.207	19	1.60	1.3
SDP3316C-330M	33.00	0.334	15	1.40	1.1
SDP3316C-470M	47.00	0.472	13	1.00	0.8
SDP3316C-680M	68.00	0.660	10	0.9	0.7
SDP3316C-101M	100.0	1.110	7	0.8	0.6
SDP3316C-151M	150.0	1.550	6	0.6	0.5
SDP3316C-221M	220.0	2.000	5	0.5	0.37
SDP3316C-102M	1000	8.300	2	0.32	0.17

1. Inductance tested at 100KHz,0.1Vrms.
2. Inductance drop=10% typ. at Isat.
3. 30℃ rise typ.at Irms.
4. Operating temperature range-40℃ to +85℃
5. Electrical specifications at 25℃.

SDP SERIES

SDP SERIES

SDP3316DT SERIES

SPECIFICATION TABLE:

SPECIFICATIONS				OPEPATING PARAMETERS			
PART NUMBER 品名	0 Adc INDUC-TANCE (μH) @100KHz 电感值	DCR(max) (Ω) 直流电阻	SRF(typ.) (MHz) 自谐频率	INDUC-TANCE RATNG (μH) 电感值	CURRENT RATING (A) 定格电流	Max. ENERGY STORAGE (μ Joules) 能量储藏	Max. SWITCHING FREQUENCY 转变频率
SDP3316DT-1R0M	1.0	0.025	60	0.50	5.0	9	1MHz
SDP3316DT-1R5M	1.5	0.030	55	0.70	5.0	12	1MHz
SDP3316DT-2R2M	2.2	0.035	55	1.0	5.0	15	1MHz
SDP3316DT-3R3M	3.3	0.040	50	1.5	5.0	16	1MHz
SDP3316DT-4R7M	4.7	0.045	45	2.0	3.0	10	1MHz
SDP3316DT-6R8M	6.8	0.050	40	4.0	2.5	14	1MHz
SDP3316DT-100M	10	0.055	35	5.0	2.0	11	1MHz
SDP3316DT-150M	15	0.060	25	6.0	1.8	12	1MHz
SDP3316DT-220M	22	0.084	22	10	1.5	11	1MHz
SDP3316DT-330M	33	0.090	18	12	1.3	13	1MHz
SDP3316DT-470M	47	0.11	16	27	1.0	13	1MHz
SDP3316DT-680M	68	0.15	12	40	0.90	17	1MHz
SDP3316DT-101M	100	0.29	9	50	0.80	15	1MHz
SDP3316DT-151M	150	0.36	8	80	0.60	15	500KHz
SDP3316DT-221M	220	0.39	6	90	0.50	10	500KHz
SDP3316DT-331M	330	0.73	5	150	0.40	13	500KHz
SDP3316DT-471M	470	0.88	4	200	0.35	13	500KHz
SDP3316DT-681M	680	1.15	3	300	0.30	13	500KHz
SDP3316DT-102M	1000	1.45	2.5	420	0.25	13	500KHz

- 1.Measured at the rated current. Refer to curves below for more detail.
- 2.Average maximum allowable current.

DT Series inductors are designed for current spikes as high as 2xthe current rating.
- 3.Operating temperature range-40℃ to +85℃.
- 4.Electrcial specifications at 25℃

SDP3340F SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	SRF (typ.) (MHz) 自谐频率	Isat (A) 定格电流	Irms (Arms) 定格电流
SDP3340F-100M	10.00	0.040	22	8.00	3.5
SDP3340F-150M	15.00	0.050	18	7.00	3.0
SDP3340F-220M	22.00	0.066	11	5.50	2.5
SDP3340F-330M	33.00	0.080	9	4.00	2.0
SDP3340F-470M	47.00	0.110	8	3.80	1.6
SDP3340F-680M	68.00	0.170	7	3.00	1.2
SDP3340F-101M	100.00	0.220	5	2.50	1.2
SDP3340F-151M	150.00	0.340	4	2.00	0.9
SDP3340F-221M	220.00	0.440	3.5	1.60	0.7
SDP3340F-331M	330.00	0.700	2.5	1.20	0.6
SDP3340F-471M	470.00	0.950	2.0	1.00	0.3
SDP3340F-681M	680.00	1.200	2.0	1.00	0.2
SDP3340F-102M	1000 00	2 000	1 5	0.80	0.1

1. Inductance tested at 100KHz,0.1Vrms.
2. Inductance drop=10% typ. at Isat.
3. ΔT=20℃typ.at Irms.
4. Operating temperature range-40℃ to +85℃
5. Electrical specifications at 25℃.

*所有产品的尺寸、电气性能均可按客户要求研发设计

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SDP SERIES

SDP5022F SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	SRF (typ.) (MHz) 自谐频率	Isat (A) 定格电流	Irms (Arms) 定格电流
SDP5022F-1R0M	1.00	0.009	80	20.0	8.6
SDP5022F-2R2M	2.20	0.014	80	16.0	7.1
SDP5022F-3R3M	3.30	0.018	60	14.0	6.2
SDP5022F-5R6M	5.60	0.020	40	12.0	5.3
SDP5022F-100M	10.00	0.031	30	10.0	4.3
SDP5022F-150M	15.00	0.036	22	8.0	4.0
SDP5022F-220M	22.00	0.047	20	7.0	3.5
SDP5022F-330M	33.00	0.066	15	5.5	3.0
SDP5022F-470M	47.00	0.086	9	4.5	2.6
SDP5022F-680M	68.00	0.13	8	3.5	2.3
SDP 5022F-101M	100.00	0.19	7	3.0	1.8
SDP5022F-151M	150.00	0.25	6	2.6	1.5
SDP5022F-221M	220.00	0.38	5	2.4	1.2
SDP5022F-331M	330.00	0.56	4	1.9	1.0
SDP5022F-471M	470.00	0.85	3	1.4	0.82
SDP5022F-681M	680.00	1.10	2.5	1.2	0.72
SDP5022F-102M	1000.00	1.80	2.0	1.0	0.56

1. Inductance tested at 100KHz,0.1Vrms.
2. SRF > 13MHz measured using Agilent/HP8753D network analyzer;
< 13MHz using Agilent/HP4192A.
- 3.Inductance drop=10%typ.dt rated Isat.
- 4.ΔT=40℃ rise typ .at Irms.
- 5.Operating temperature range -40℃ to +85℃.
- 6.Electrical specifications at 25℃

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SDP SERIES

SDP5022C SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	SRF (typ.) (MHz) 自谐频率	Isat (A) 定格电流	Irms (Arms) 定格电流
SDP5022C-100M	10.0	0.040	30	8.00	3.9
SDP5022C-150M	15.0	0.048	20	7.00	3.4
SDP5022C-220M	22.0	0.059	18	6.00	3.1
SDP5022C-330M	33.0	0.075	14	5.00	2.8
SDP5022C-470M	47.0	0.097	10	4.00	2.4
SDP5022C-680M	68.0	0.138	9	3.00	2.0
SDP5022C-101M	100.0	0.207	7	2.40	1.7
SDP5022C-151M	150.0	0.293	6	2.10	1.3
SDP5022C-221M	220.0	0.47	5	1.90	1.1
SDP5022C-331M	330.0	0.78	4	1.10	0.86
SDP5022C-471M	470.0	1.08	3	1.10	0.73
SDP5022C-681M	680.0	1.40	2.5	0.96	0.64
SDP5022C-102M	1000.0	2.01	2.0	0.80	0.53

1. Inductance tested at 100KHz,0.1Vrms.
2. Inductance drop=10% typ. at Isat.
3. ΔT=20℃typ.at Irms.
4. Operating temperature range-40℃ to +85℃
5. Electrical specifications at 25℃.

*所有产品的尺寸、电气性能均可按客户要求研发设计

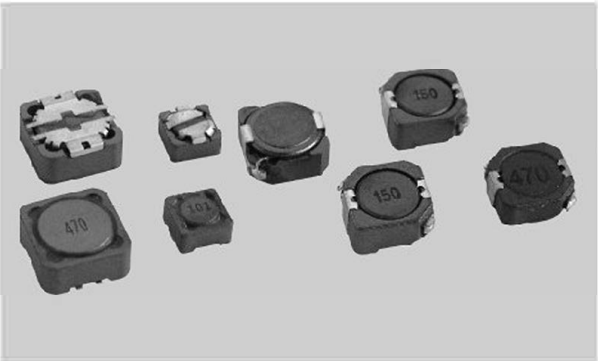
CDRH SERIES

●FEATURES

Low voltage power supply is prosperous accordingly power saving.
Four terminals choke coil available for DC-DC converter of less than 3.3V input voput voyage.

●APPLICATION

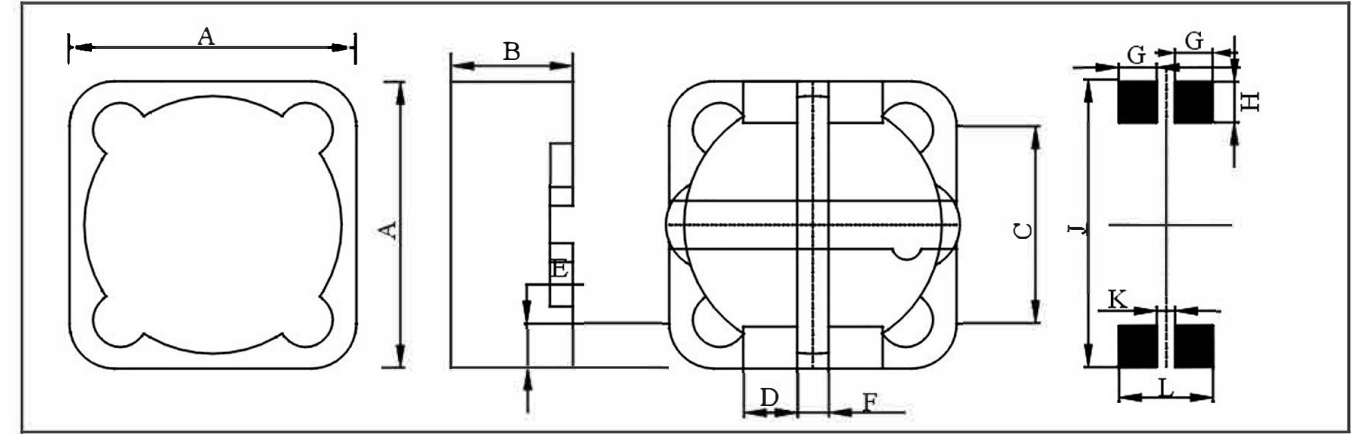
Notebook size personal computer.
(MPU driving power supply).
Logic IC power supply.
P.D.A



●PART NUMBERING SYSTEM (品名系统)

CDRH	1	2	7	T			2	2	N	-	R	-	S	-	L	F
1	2	3	4	5	6											
SERIESNAME	DIMENSIONS	L1INDUCTANCE	TURN	RATI	TOLERANCECODE	PACKINGCODE										
			1:2.2		J: ± 5%,K: ± 10%,L: ± 15%, R:Tape&Reel(卷装) S:series(系列) M: ± 20%,P: ± 25%,N: ± 30% B:In Bulk (散装) Lf:Lead Free(无铅)											
品名	尺寸	L1电感值	匝比	公差	包装											

●SHAPES AND DIMENSIONS(外形及尺寸)



UNIT:mm

TYPE (型式)	A	B (max)	C	D	E	F	G	H	I	J	K	L
CDRH124	12.2±0.3	4.5	7.6±0.3	2.0±0.2	2.0±0.2	1.0±0.2	2.4±0.2	2.9±0.2	7.0±0.2	12.8±0.2	0.5±0.1	5.4±0.2
CDRH125	12.2±0.3	6.0	7.6±0.3	2.0±0.2	2.0±0.2	1.0±0.2	2.4±0.2	2.9±0.2	7.0±0.2	12.8±0.2	0.5±0.2	5.4±0.2
CDRH127	12.2±0.3	8.0	7.6±0.3	2.0±0.2	2.0±0.2	1.0±0.2	2.4±0.2	2.9±0.2	7.0±0.2	12.8±0.2	0.5±0.2	5.4±0.2

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CDRH SERIES

CDRH124T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	L(at 1KHz,1v) (μH)		DCR(max) (mΩ)		TURN RATIO (L1:L2)	RATED CURRENT (A)
	L1	L2	L1	L2		
CDRH124-1022N	10	45	38	590	1:2.2	4.0
CDRH124-1024N	10	47	39	600	1:2.4	4.0

CDRH125T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	L(at 1KHz,1v) (μH)		DCR(max) (mΩ)		TURN RATIO (L1:L2)	RATED CURRENT (A)
	L1	L2	L1	L2		
CDRH125T-5622N	5.6	25.5	20	220	1:2.2	5.3
CDRH125T-8220N	8.2	32	22	260	1:2.0	4.7
CDRH125T-1014N	10	21	27	182	1:1.4	4.3
CDRH125T-1022N	10	45	27	300	1:2.2	4.3
CDRH125T-1220N	12	45	30	300	1:2.0	4.0

CDRH127T SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	L(at 1KHz,1v) (μH)		DCR(max) (mΩ)		TURN RATIO (L1:L2)	RATED CURRENT (A)
	L1	L2	L1	L2		
CDRH127-7622N	7.6	38	22	300	1:2.2	7.0
CDRH127-1022N	10	45	30	200	1:2.2	4.5
CDRH127-1042N	10	178	30	650	1:4.2	4.5

◆The rated current indicates the value of current when the L1 inductance is 25% lower than its initial value at D.C superposition or D.C current when Δt=45℃ whichever is lower.

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CDF SERIES

FEATURES

Various high power inductors are superior to be high saturation for surface mounting.

特性

具有高功率,强力饱和电流、低阻抗、小型化之特性。

APPLICATIONS

Power supply for VTR,OA equipment
Digital camera,LCD television set
notebook PC ,portable communication equipments,DC/DC converters,etc.

用途

录影机,OA仪器,数码相机,液晶电视,笔记型电脑,小型通信机器,DC/DC变压器之电源供应器等。

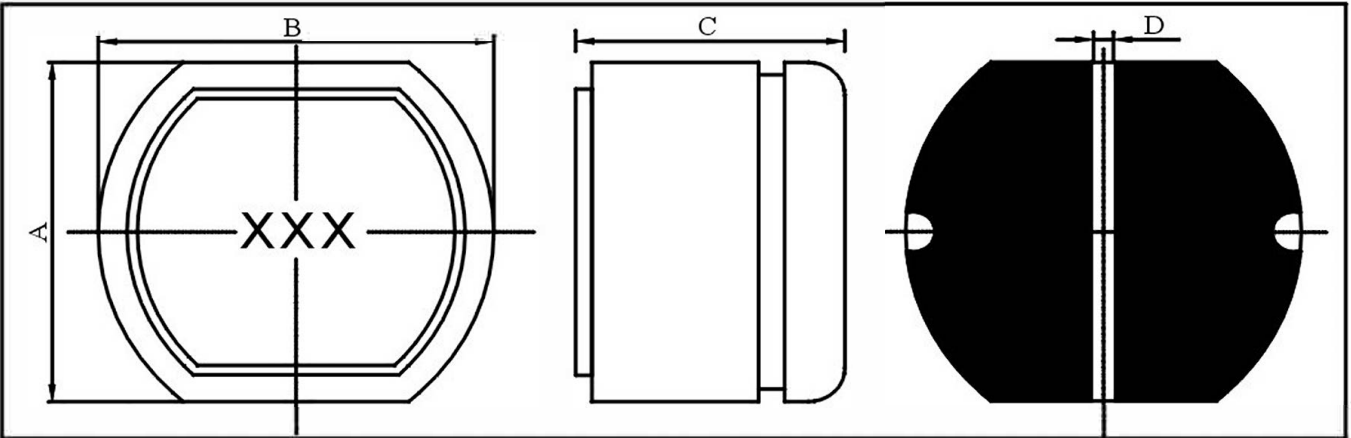
PART NUMBERING SYSTEM(品名系统)



CDF	105	100	K	R	S	L	F
1	2	3	4	5			
SERIESNAME	DIMENS IONS	INDUCTANCE	TOLERANCE CODE	PACKING CODE			
品名	尺寸	电感值	公差	包装			

J:± 5%,K:± 10%,L:± 15%, R:Tape&Reel(卷装) S:series(系列)
M:± 20%,P:± 25%,N:± 30% B:In Bulk (散装) Lf:Lead Free(无铅)

SHAPES AND DIMENSIONS(形状及尺寸)



UNIT: mm				
TYPE(型式)	A	B	C	D(Ref)
CDF63	5.6±0.5	6.2±0.5	3.2±0.5	1.7
CDF74	7.0±0.5	7.8±0.5	4.5±0.5	2.0
CDF105	9.0±0.5	10.0±0.5	5.0±0.5	2.5

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CDF SERIES

CDF63 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=10%;Δt=40℃ 定格电流	TEST FREQ. 测试频率
CDF63-100M	10	0.14	1.00	1KHz
CDF63-120M	12	0.16	0.94	1KHz
CDF63-150M	15	0.18	0.86	1KHz
CDF63-180M	18	0.25	0.78	1KHz
CDF63-220M	22	0.32	0.76	1KHz
CDF63-270M	27	0.36	0.64	1KHz
CDF63-330L	33	0.41	0.61	1KHz
CDF63-390L	39	0.47	0.53	1KHz
CDF63-470L	47	0.51	0.50	1KHz
CDF63-560L	56	0.72	0.46	1KHz
CDF63-680L	68	0.82	0.42	1KHz

CDF74 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=10%;Δt=40℃ 定格电流	TEST FREQ. 测试频率
CDF74-100M	10	0.07	1.65	1KHz
CDF74-120M	12	0.07	1.57	1KHz
CDF74-150M	15	0.08	1.39	1KHz
CDF74-180M	18	0.10	1.29	1KHz
CDF74-220M	22	0.13	1.12	1KHz
CDF74-270M	27	0.16	1.06	1KHz
CDF74-330L	33	0.18	0.97	1KHz
CDF74-390L	39	0.18	0.91	1KHz
CDF74-470L	47	0.27	0.80	1KHz
CDF74-560L	56	0.29	0.76	1KHz
CDF74-680L	68	0.33	0.68	1KHz
CDF74-820L	82	0.43	0.62	1KHz
CDF74-101K	100	0.49	0.55	1KHz
CDF74-121K	120	0.68	0.49	1KHz
CDF74-151K	150	0.94	0.44	1KHz
CDF74-181K	180	1.00	0.40	1KHz
CDF74-221K	220	1.18	0.36	1KHz
CDF74-271K	270	1.30	0.33	1KHz

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CDF SERIES

CDF105 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-10%;Δt=40℃ 定格电流	TEST FREQ. 测试频率
CDF105-100M	10	0.06	2.06	1KHz
CDF105-120M	12	0.07	1.94	1KHz
CDF105-150M	15	0.07	1.72	1KHz
CDF105-180M	18	0.08	1.58	1KHz
CDF105-220M	22	0.08	1.42	1KHz
CDF105-270M	27	0.10	1.32	1KHz
CDF105-330L	33	0.11	1.16	1KHz
CDF105-390L	39	0.12	1.10	1KHz
CDF105-470L	47	0.14	1.00	1KHz
CDF105-560L	56	0.19	0.93	1KHz
CDF105-680L	68	0.21	0.85	1KHz
CDF105-820L	82	0.28	0.79	1KHz
CDF105-101K	100	0.34	0.72	1KHz
CDF105-121K	120	0.37	0.63	1KHz
CDF105-151K	150	0.51	0.55	1KHz
CDF105-181K	180	0.57	0.50	1KHz
CDF105-221K	220	0.78	0.47	1KHz
CDF105-271K	270	0.87	0.41	1KHz
CDF105-331K	330	1.20	0.37	1KHz
CDF105-391K	390	1.34	0.35	1KHz
CDF105-471K	470	1.50	0.33	1KHz

CD SERIES

FEATURES

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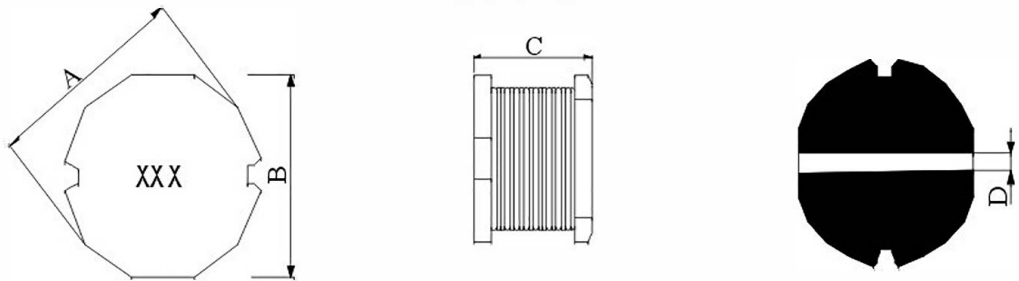
PART NUMBERING SYSTEM(品名系统)

CD	105	100	K	R	S	L	F
1	2	3	4	5			
SERIESNAME	DIMENSIONS	INDUCTANCE	TOLERANCE CODE	PACKING CODE			
品名	尺寸	电感值	公差	包装			

J:±5%,K:±10%,L:±15%, R:Tape&Reel(卷装) S:series(系列)
M:±20%,P:±25%,N:±30% B:In Bulk(散装) Lf:Lead Free(无铅)



SHAPES AND DIMENSIONS(形状及尺寸)



UNIT:mm

TYPE(型式)	A	B	C	D(Ref)
CD31	3.5±0.3	3.0±0.3	1.15±0.3	1.0
CD32	3.5±0.3	3.0±0.3	2..1±0.3	1.0
CD42	4.5±0.3	4.0±0.3	2.1±0.3	1.4
CD43	4.5±0.3	4.0±0.3	3.2±0.3	1.4
CD52	5.8±0.3	5.2±0.3	2.1±0.3	1.3
CD53	5.8±0.3	5.2±0.3	3.2±0.3	2.0
CD54	5.8±0.3	5.2±0.3	4.5±0.3	1.6
CD73	7.8±0.3	7.0±0.3	3.5±0.4	3.0
CD75	7.8±0.3	7.0±0.3	5.0±0.4	3.0
CD104	10.0±0.3	9.0±0.3	4.0±0.5	3.0
CD105	10.0±0.3	9.0±0.3	5.4±0.5	3.0
CD106	10.0±0.3	9.0±0.3	6.6±0.5	3.0

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CD SERIES

CD31 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-10%;Δt=40℃ 定格电流	TEST FREQ. 测试频率
CD31-R33N	0.33	0.65	0.45	100KHz
CD31-R68N	0.68	0.93	0.19	100KHz
CD31-100K	10	1.15	0.18	100KHz
CD31-150K	15	1.32	0.172	100KHz
CD31-220K	22	1.55	0.162	100KHz
CD31-330K	33	1.7	0.15	100KHz
CD31-560K	56	1.82	0.145	100KHz
CD31-820K	82	1.92	0.14	100KHz
CD31-221K	220	2.1	0.136	100KHz
CD31-391K	390	2.45	0.13	100KHz

CD32 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-10%;Δt=40℃ 定格电流	TEST FREQ. 测试频率
CD32-100K	10	0.23	0.760	100KHz
CD32-150K	15	0.31	0.635	100KHz
CD32-220K	22	0.47	0.500	100KHz
CD32-330K	33	0.76	0.380	100KHz
CD32-470K	47	0.97	0.330	100KHz
CD32-680K	68	1.45	0.275	100KHz
CD32-101K	100	2.20	0.220	100KHz
CD32-151K	150	3.40	0.170	100KHz
CD32-221K	220	4.50	0.155	100KHz
CD32-391K	390	7.80	0.115	100KHz

CD42 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-10%;Δt=40℃ 定格电流	TEST FREQ. 测试频率
CD42-1R0□-R-S	1	30	2.5	100K/0.25V
CD42-2R2□-R-S	2.2	60	1.8	100K/0.25V
CD42-4R7□-R-S	4.7	106	1.2	100K/0.25V
CD42-100□-R-S	10	195	0.80	100K/0.25V
CD42-220□-R-S	22	486	0.60	100K/0.25V
CD42-390□-R-S	39	700	0.50	100K/0.25V
CD42-151□-R-S	150	2530	0.24	100K/0.25V
CD42-391□-R-S	390	6820	0.18	100K/0.25V
CD42-471□-R-S	470	7780	0.15	100K/0.25V

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CD SERIES

CD43 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-10%;Δt=40℃ 定格电流	TEST FREQ. 测试频率
CD43-1R0M	1.0	0.033	3.80	100KHz
CD43-2R2M	2.2	0.047	2.60	100KHz
CD43-3R3M	3.3	0.058	2.15	100KHz
CD43-4R7M	4.7	0.094	1.70	100KHz
CD43-6R8M	6.8	0.117	1.40	100KHz
CD43-100M	10	0.182	1.15	100KHz
CD43-180M	18	0.338	0.84	100KHz
CD43-270M	27	0.522	0.71	100KHz
CD43-390M	39	0.587	0.59	100KHz
CD43-560M	56	0.937	0.50	100KHz
CD43-820M	82	1.20	0.48	100KHz
CD43-121M	120	1.04	0.30	100KHz
CD43-172K	1700	16.0	0.04	100KHz

CD52 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μH) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) ΔL/L=-10%;Δt=40℃ 定格电流	TEST FREQ. 测试频率
CD52-2R2M	2.2	0.039	2.16	100KHz
CD52-3R3M	3.3	0.049	1.90	100KHz
CD52-4R7M	4.7	0.062	1.60	100KHz
CD52-6R8M	6.8	0.091	1.36	100KHz
CD52-100K	10	0.133	1.04	100KHz
CD52-150K	15	0.166	0.88	100KHz
CD52-220K	22	0.248	0.73	100KHz
CD52-330K	33	0.378	0.58	100KHz
CD52-470K	47	0.546	0.49	100KHz
CD52-680K	68	0.715	0.41	100KHz
CD52-101K	100	1.07	0.35	100KHz
CD52-151K	150	1.66	0.26	100KHz
CD52-221K	220	2.44	0.21	100KHz
CD52-271K	270	2.73	0.19	100KHz

*所有产品的尺寸、电气性能均可按客户要求研发设计

CD SERIES

CD53 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) Δ L/L=-10%; Δ t=40℃ 定格电流	TEST FREQ. 测试频率
CD53-1R0M	1.0	0.03	4.50	100KHz
CD53-2R2M	2.2	0.03	3.50	100KHz
CD53-3R3M	3.3	0.05	2.80	100KHz
CD53-4R7M	4.7	0.07	2.50	100KHz
CD53-6R8M	6.8	0.09	2.20	100KHz
CD53-100K	10	0.12	1.80	100KHz
CD53-180K	18	0.18	1.60	100KHz
CD53-270K	27	0.24	1.40	100KHz
CD53-390K	39	0.40	1.00	100KHz
CD53-560K	56	0.50	0.85	100KHz
CD53-820K	82	0.80	0.65	100KHz
CD53-121K	120	1.00	0.58	100KHz
CD53-221K	220	2.00	0.38	100KHz
CD53-331K	330	3.20	0.28	100KHz
CD53-471K	470	4.20	0.20	100KHz
CD53-681K	680	6.00	0.15	100KHz
CD53-102K	1000	8.00	0.13	100KHz

CD54 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) Δ L/L=-10%; Δ t=40℃ 定格电流	TEST FREQ. 测试频率
CD54-1R0M	1.0	0.015	5.90	100KHz
CD54-2R2M	2.2	0.035	3.80	100KHz
CD54-3R9M	3.9	0.050	2.90	100KHz
CD54-5R6M	6.8	0.070	2.40	100KHz
CD54-8R2M	8.2	0.090	2.00	100KHz
CD54-150M	15	0.140	1.30	100KHz
CD54-270M	27	0.200	0.97	100KHz
CD54-470M	47	0.370	0.72	100KHz
CD54-820K	82	0.460	0.58	100KHz
CD54-151K	150	1.100	0.40	100KHz
CD54-271K	270	1.650	0.32	100KHz
CD54-471K	470	2.300	0.23	100KHz
CD54-681K	680	3.000	0.20	100KHz
CD54-102K	1000	4.800	0.14	100KHz

*所有产品的尺寸、电气性能均可按客户要求研发设计

CD SERIES

CD73 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) Δ L/L=-10%; Δ t=40℃ 定格电流	TEST FREQ. 测试频率
CD73-100M	10	0.080	1.44	100KHz
CD73-150M	15	0.100	1.24	100KHz
CD73-220M	22	0.130	1.07	100KHz
CD73-330L	33	0.170	0.85	100KHz
CD73-470L	47	0.250	0.68	100KHz
CD73-560K	56	0.280	0.64	100KHz
CD73-680K	68	0.330	0.59	100KHz
CD73-820K	82	0.410	0.54	100KHz
CD73-121K	120	0.540	0.49	100KHz
CD73-181K	180	1.020	0.36	100KHz
CD73-221K	220	1.200	0.31	100KHz
CD73-331K	330	1.500	0.28	100KHz

CD75 SERIES

SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) Δ L/L=-10%; Δ t=40℃ 定格电流	TEST FREQ. 测试频率
CD75-100M	10	0.070	2.30	100KHz
CD75-150M	15	0.090	1.80	100KHz
CD75-220M	22	0.110	1.50	100KHz
CD75-330L	33	0.130	1.20	100KHz
CD75-470L	47	0.180	1.10	100KHz
CD75-560K	56	0.240	0.94	100KHz
CD75-680K	68	0.280	0.85	100KHz
CD75-820K	82	0.370	0.78	100KHz
CD75-121K	120	0.470	0.66	100KHz
CD75-181K	180	0.710	0.51	100KHz
CD75-221K	220	0.960	0.49	100KHz
CD75-331K	330	1.260	0.40	100KHz
CD75-471K	470	1.960	0.34	100KHz

*所有产品的尺寸、电气性能均可按客户要求研发设计

CD SERIES

CD104 SERIES

SPECIFICATION TABLE:

PART NUMBER 品 名	INDUCTANCE (μ H) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) Δ L/L=-10%; Δ t=40℃ 定格电流	TEST FREQ. 测试频率
CD104-100M	10	0.053	2.38	100KHz
CD104-150M	15	0.070	1.87	100KHz
CD104-220M	22	0.088	1.60	100KHz
CD104-330L	33	0.120	1.26	100KHz
CD104-470L	47	0.170	1.10	100KHz
CD104-560K	56	0.199	1.01	100KHz
CD104-680K	68	0.223	0.91	100KHz
CD104-820K	82	0.252	0.85	100KHz
CD104-101K	100	0.344	0.74	100KHz
CD104-151K	150	0.544	0.61	100KHz
CD104-221K	220	0.721	0.53	100KHz
CD104-331K	330	1.100	0.42	100KHz
CD104-471K	470	1.526	0.35	100KHz
CD104-561K	560	1.904	0.32	100KHz

CD105 SERIES

SPECIFICATION TABLE:

PART NUMBER 品 名	INDUCTANCE (μ H) 电感值	DCR (max) (Ω) 直流电阻	IDC(A)(max) Δ L/L=-10%; Δ t=40℃ 定格电流	TEST FREQ. 测试频率
CD105-100M	10	0.060	2.60	100KHz
CD105-150M	15	0.080	2.27	100KHz
CD105-220M	22	0.100	1.95	100KHz
CD105-330L	33	0.120	1.50	100KHz
CD105-470L	47	0.170	1.28	100KHz
CD105-560K	56	0.190	1.17	100KHz
CD105-680K	68	0.220	1.11	100KHz
CD105-820K	82	0.250	1.00	100KHz
CD105-101K	100	0.350	0.97	100KHz
CD105-151K	150	0.470	0.78	100KHz
CD105-221K	220	0.730	0.66	100KHz
CD105-331K	330	1.150	0.52	100KHz
CD105-471K	470	1.480	0.42	100KHz
CD105-561K	560	1.900	0.33	100KHz
CD105-681K	680	2.250	0.28	100KHz
CD105-821K	820	2.550	0.24	100KHz

*所有产品的尺寸、电气性能均可按客户要求研发设计