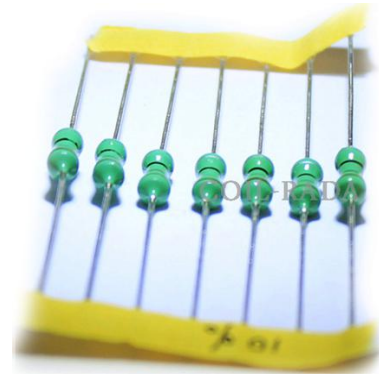
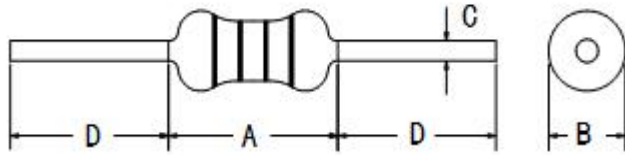


● EXTERNAL DIMENSIONS UNIT: mm (外形尺寸)



PART NO.	A MAX	B MAX	C MAX	D
CSH0204	4.00	2.50	28 ± 2	0.50±0.05
CSH0307	7.00	3.50	28 ± 2	0.50±0.05
CSH0410	10.00	4.50	28 ± 2	0.65±0.05
CSH0510	11.00	5.50	28 ± 2	0.65±0.05

● PART NUMBERING SYSTEM (品名系统)

CSH	0204	330	K	T
1	2	3	4	5
1、SERIES NAME	品名	C代C. RD. , SH指色环电感系列		
2、DIMENSIONS	尺寸	外围*高度		
3、INDUCTANCE	电感值	前两位为有效数字, 第三位表示零的个数		
4、TOLERANCE CODE	公差	J: ±5%, K: ±10%, L: ±15%, M: ±20%, P: ±25%, N: ±30%		
5、PACKING CODE	包装方式	T: Tape&Reel (编带) B: In Bulk		

● FEATURES (特性)

Various high power inductors are superior to be high saturation for surface mounting.
具有高功率、高饱和电流, 低阻抗、小型化之特点

● APPLICATIONS (用途)

录影机、OA仪器、数码相机、液晶电视、笔记本电脑、小型通信机器、DC/DC变压器之电源供应等

Design As Customers Requested Specifications 可根据客户需求设计

CSH0204 TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min Quality Factor 品质因子	Min.Self- resonant Frequency 自谐频率	Max.DC Resistance 直流电阻	Max.Rated Current 额定电流	L,Q Test Freq,L/Q 测试频率
Units 单位	UH	(%)	-	MHz	Ω	mA	MHz
Symbol 符号	L _{0A}		Q	S.R.F	DCR	I _r	Freq.
CSH0204-0R22M	0.22	±20	35	150	0.4	400	25.2
CSH0204-0R27M	0.27	±20	35	150	0.43	380	25.2
CSH0204-0R33M	0.33	±20	35	150	0.48	370	25.2
CSH0204-0R39M	0.39	±20	35	150	0.51	350	25.2
CSH0204-0R47M	0.47	±20	35	150	0.56	330	25.2
CSH0204-0R56M	0.56	±20	35	150	0.61	320	25.2
CSH0204-0R68M	0.68	±20	35	150	0.67	310	25.2
CSH0204-0R82M	0.82	±20	35	150	0.74	290	25.2
CSH0204-1R0M	1	±20	35	150	0.8	270	25.2
CSH0204-1R2K	1.2	±10	40	110	0.9	260	7.96
CSH0204-1R5K	1.5	±10	40	80	1	250	7.96
CSH0204-1R8K	1.8	±10	40	60	1.1	240	7.96
CSH0204-2R2K	2.2	±10	40	45	1.2	230	7.96
CSH0204-2R7K	2.7	±10	40	40	1.3	220	7.96
CSH0204-3R3K	3.3	±10	40	38	1.4	210	7.96
CSH0204-3R9K	3.9	±10	40	35	1.6	200	7.96
CSH0204-4R7K	4.7	±10	40	32	1.7	190	7.96
CSH0204-5R6K	5.6	±10	40	30	1.9	180	7.96
CSH0204-6R8K	6.8	±10	40	28	2	175	7.96
CSH0204-8R2K	8.2	±10	40	26	2.2	165	7.96
CSH0204-100K	10	±10	40	24	2.5	160	7.96
CSH0204-120K	12	±10	40	22	2.5	150	2.52
CSH0204-150K	15	±10	40	20	2.8	145	2.52
CSH0204-180K	18	±10	40	18	3.1	140	2.52
CSH0204-220K	22	±10	40	17	3.4	130	2.52
CSH0204-270K	27	±10	40	16	4.3	80	2.52
CSH0204-330K	33	±10	40	14	4.7	76	2.52
CSH0204-390K	39	±10	40	13	5.2	74	2.52
CSH0204-470K	47	±10	40	12	5.8	70	2.52
CSH0204-560K	56	±10	40	11	6.4	68	2.52
CSH0204-680K	68	±10	40	10	7.2	64	2.52
CSH0204-820K	82	±10	40	9.5	11	46	2.52

CSH0204 TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min Quality Factor 品质因子	Min.Self- resonant Frequency 自谐频率	Max.DC Resistance 直流电阻	Max.Rated Current 额定电流	L,Q Test Freq,L/Q 测试频率
Units 单位	UH	(%)	-	MHz	Ω	mA	MHz
Symbol 符号	L _{0A}		Q	S.R.F	DCR	I _r	Freq.
CSH0204-101K	100	±10	40	9	12	44	2.52
CSH0204-121K	120	±10	40	8	13	42	0.796
CSH0204-151K	150	±10	40	6	16	39	0.796
CSH0204-181K	180	±10	40	5.5	18	37	0.796
CSH0204-221K	220	±10	40	5	20	35	0.796

CSH0307 TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min Quality Factor 品质因子	Min.Self- resonant Frequency 自谐频率	Max.DC Resistance 直流电阻	Max.Rated Current 额定电流	L,Q Test Freq,L/Q 测试频率
Units 单位	UH	(%)	-	MHz	Ω	mA	MHz
Symbol 符号	L _{0A}		Q	S.R.F	DCR	I _r	Freq.
CSH0307-0R22M	0.22	±20	40	380	0.075	1150	25.2
CSH0307-0R27M	0.27	±20	40	360	0.08	1110	25.2
CSH0307-0R33M	0.33	±20	40	350	0.08	1110	25.2
CSH0307-0R39M	0.39	±20	40	320	0.09	1000	25.2
CSH0307-0R47M	0.47	±20	40	300	0.1	1000	25.2
CSH0307-0R56M	0.56	±20	40	280	0.11	950	25.2
CSH0307-0R68M	0.68	±20	40	250	0.12	900	25.2
CSH0307-0R82M	0.82	±20	40	200	0.12	900	25.2
CSH0307-1R0M	1	±20	40	180	0.15	815	25.2
CSH0307-1R2K	1.2	±10	45	165	0.18	740	7.96
CSH0307-1R5K	1.5	±10	45	150	0.2	700	7.96
CSH0307-1R8K	1.8	±10	45	125	0.23	655	7.96
CSH0307-2R2K	2.2	±10	45	110	0.25	630	7.96
CSH0307-2R7K	2.7	±10	45	95	0.28	595	7.96
CSH0307-3R3K	3.3	±10	45	70	0.3	575	7.96
CSH0307-3R9K	3.9	±10	45	65	0.32	555	7.96
CSH0307-4R7K	4.7	±10	45	50	0.35	530	7.96
CSH0307-5R6K	5.6	±10	45	40	0.4	500	7.96
CSH0307-6R8K	6.8	±10	45	30	0.45	470	7.96
CSH0307-8R2K	8.2	±10	45	28	0.55	425	7.96
CSH0307-100K	10	±10	45	22	0.72	370	7.96
CSH0307-120K	12	±10	45	20	0.8	350	2.52

CSH0307 TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min Quality Factor 品质因子	Min.Self- resonant Frequency 自谐频率	Max.DC Resistance 直流电阻	Max.Rated Current 额定电流	L,Q Test Freq,L/Q 测试频率
Units 单位	UH	(%)	-	MHz	Ω	mA	MHz
Symbol 符号	L _{0A}		Q	S.R.F	DCR	I _r	Freq.
CSH0307-150K	15	±10	45	16	0.88	335	2.52
CSH0307-180K	18	±10	45	15	1	315	2.52
CSH0307-220K	22	±10	45	13	1.2	285	2.52
CSH0307-270K	27	±10	45	11	1.35	270	2.52
CSH0307-330K	33	±10	45	10	1.5	255	2.52
CSH0307-390K	39	±10	45	9.5	1.7	240	2.52
CSH0307-470K	47	±10	45	8.5	2.3	205	2.52
CSH0307-560K	56	±10	45	7.5	2.6	195	2.52
CSH0307-680K	68	±10	45	6.5	2.9	185	2.52
CSH0307-820K	82	±10	45	6	3.2	175	2.52
CSH0307-101K	100	±10	45	5.5	3.5	165	2.52
CSH0307-121K	120	±10	45	5.4	3.8	160	0.796
CSH0307-151K	150	±10	45	4.75	4.4	150	0.796
CSH0307-181K	180	±10	45	4.35	5	140	0.796
CSH0307-221K	220	±10	45	4	5.7	130	0.796
CSH0307-271K	270	±10	45	3.7	6.5	120	0.796
CSH0307-331K	330	±10	45	3.4	9.5	100	0.796
CSH0307-391K	390	±10	45	2.8	10.5	95	0.796
CSH0307-471K	470	±10	45	2.55	11.6	90	0.796
CSH0307-561K	560	±10	45	2.35	13	85	0.796
CSH0307-681K	680	±10	45	2	18	75	0.796
CSH0307-821K	820	±10	45	1.5	22	65	0.796
CSH0307-102K	1000	±10	45	1.2	26	60	0.796

CSH0410 TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min Quality Factor 品质因子	Min.Self- resonant Frequency 自谐频率	Max.DC Resistance 直流电阻	Max.Rated Current 额定电流	L,Q Test Freq,L/Q 测试频率
Units 单位	UH	(%)	-	MHz	Ω	mA	MHz
Symbol 符号	L _{0A}		Q	S.R.F	DCR	I _r	Freq.
CSH0410-0R22M	0.22	±20	40	300	0.1	1400	25.2
CSH0410-0R27M	0.27	±20	40	270	0.11	1320	25.2
CSH0410-0R33M	0.33	±20	40	250	0.12	1280	25.2
CSH0410-0R39M	0.39	±20	40	230	0.13	1200	25.2
CSH0410-0R47M	0.47	±20	40	220	0.14	1150	25.2

CSH0410 TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min Quality Factor 品质因子	Min.Self- resonant Frequency 自谐频率	Max.DC Resistance 直流电阻	Max.Rated Current 额定电流	L,Q Test Freq,L/Q 测试频率
Units 单位	UH	(%)	-	MHz	Ω	mA	MHz
Symbol 符号	L _{0A}		Q	S.R.F	DCR	I _r	Freq.
CSH0410-0R56M	0.56	±20	40	200	0.15	1100	25.2
CSH0410-0R68M	0.68	±20	40	190	0.16	1030	25.2
CSH0410-0R82M	0.82	±20	40	172	0.17	980	25.2
CSH0410-1R0M	1	±20	40	157	0.19	920	25.2
CSH0410-1R2K	1.2	±10	60	144	0.21	880	7.96
CSH0410-1R5K	1.5	±10	60	131	0.23	830	7.96
CSH0410-1R8K	1.8	±10	60	121	0.25	790	7.96
CSH0410-2R2K	2.2	±10	60	110	0.28	750	7.96
CSH0410-2R7K	2.7	±10	60	100	0.3	720	7.96
CSH0410-3R3K	3.3	±10	60	94	0.34	670	7.96
CSH0410-3R9K	3.9	±10	60	65	0.37	640	7.96
CSH0410-4R7K	4.7	±10	60	56	0.39	620	7.96
CSH0410-5R6K	5.6	±10	60	48	0.43	590	7.96
CSH0410-6R8K	6.8	±10	60	37	0.48	550	7.96
CSH0410-8R2K	8.2	±10	60	25	0.52	530	7.96
CSH0410-100K	10	±10	60	21	0.58	500	7.96
CSH0410-120K	12	±10	50	19	0.63	480	2.52
CSH0410-150K	15	±10	50	17	0.72	460	2.52
CSH0410-180K	18	±10	50	13	0.77	430	2.52
CSH0410-220K	22	±10	50	9.6	0.84	410	2.52
CSH0410-270K	27	±10	50	7.2	0.94	390	2.52
CSH0410-330K	33	±10	50	6.3	1.03	370	2.52
CSH0410-390K	39	±10	50	6.3	1.12	350	2.52
CSH0410-470K	47	±10	40	6.3	1.22	340	2.52
CSH0410-560K	56	±10	40	6.2	1.34	320	2.52
CSH0410-680K	68	±10	40	5.7	1.47	305	2.52
CSH0410-820K	82	±10	40	5.3	1.62	290	2.52
CSH0410-101K	100	±10	40	4.8	1.8	275	2.52
CSH0410-121K	120	±10	50	3.8	3.7	185	0.796
CSH0410-151K	150	±10	50	3.5	4.2	175	0.796
CSH0410-181K	180	±10	50	3.3	4.6	165	0.796
CSH0410-221K	220	±10	50	3	5.1	155	0.796
CSH0410-271K	270	±10	50	2.8	5.8	145	0.796
CSH0410-331K	330	±10	50	2.6	6.4	137	0.796
CSH0410-391K	390	±10	50	2.4	7	133	0.796
CSH0410-471K	470	±10	50	2.25	7.7	126	0.796
CSH0410-561K	560	±10	50	2.1	8.5	120	0.796
CSH0410-681K	680	±10	50	1.95	9.4	113	0.796

CSH0410 TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min Quality Factor 品质因子	Min.Self- resonant Frequency 自谐频率	Max.DC Resistance 直流电阻	Max.Rated Current 额定电流	L,Q Test Freq,L/Q 测试频率
Units 单位	UH	(%)	-	MHz	Ω	mA	MHz
Symbol 符号	L _{0A}		Q	S.R.F	DCR	I _r	Freq.
CSH0410-821K	820	±10	50	1.85	10.5	105	0.796
CSH0410-102K	1000	±10	65 @ 252KHz	1.68	8.4	120	0.796
CSH0410-122K	1200	±10	65 @ 252KHz	1.54	9.7	112	0.252
CSH0410*152K	1500	±10	65 @ 252KHz	1.22	12	96	0.252
CSH0410*182K	1800	±10	65 @ 252KHz	1.18	14	88	0.252
CSH0410*222K	2200	±10	65 @ 252KHz	1.06	16	80	0.252
CSH0410*272K	2700	±10	65 @ 252KHz	1	23	72	0.252
CSH0410*332K	3300	±10	65 @ 252KHz	0.95	27	66	0.252
CSH0410*392K	3900	±10	65 @ 252KHz	0.88	32	61	0.252
CSH0410*472K	4700	±10	65 @ 252KHz	0.75	45	56	0.252
CSH0410*562K	5600	±10	55 @ 252KHz	0.7	50	50	0.252
CSH0410*682K	6800	±10	55 @ 252KHz	0.65	57	45	0.252
CSH0410*822K	8200	±10	55 @ 252KHz	0.6	66	42	0.252
CSH0410*103K	10000	±10	30 @ 79.6KHz	0.47	84	38	0.0796
CSH0410*123K	12000	±10	30 @ 79.6KHz	0.44	94	32	0.0796
CSH0410*153K	15000	±10	30 @ 79.6KHz	0.38	130	28	0.0796
CSH0410*183K	18000	±10	30 @ 79.6KHz	0.34	146	24	0.0796
CSH0410*223K	22000	±10	30 @ 79.6KHz	0.32	168	20	0.0796
CSH0410*273K	27000	±10	30 @ 79.6KHz	0.3	210	18	0.0796
CSH0410*303K	30000	±10	30 @ 79.6KHz	0.25	311	16	0.0796
CSH0410*333K	33000	±10	30 @ 79.6KHz	0.23	326	14	0.0796
CSH0410*393K	39000	±10	30 @ 79.6KHz	0.21	357	12	0.0796

CSH0510 TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min Quality Factor 品质因子	Min.Self- resonant Frequency 自谐频率	Max.DC Resistance 直流电阻	Max.Rated Current 额定电流	L,Q Test Freq,L/Q 测试频率
Units 单位	UH	(%)	-	MHz	Ω	mA	MHz
Symbol 符号	L _{0A}		Q	S.R.F	DCR	I _r	Freq.
CSH0510*102K	1000	±10	65 @ 252KHz	1.5	5.7	150	0.796
CSH0510*122K	1200	±10	65 @ 252KHz	1.5	6.6	140	0.252
CSH0510*152K	1500	±10	65 @ 252KHz	1.2	10	120	0.252
CSH0510*182K	1800	±10	65 @ 252KHz	1.2	12	110	0.252
CSH0510*222K	2200	±10	65 @ 252KHz	1.2	14	100	0.252
CSH0510*272K	2700	±10	65 @ 252KHz	0.95	18	90	0.252
CSH0510*332K	3300	±10	65 @ 252KHz	0.85	20	83	0.252
CSH0510*392K	3900	±10	65 @ 252KHz	0.83	24	76	0.252
CSH0510*472K	4700	±10	65 @ 252KHz	0.8	26	70	0.252
CSH0510*562K	5600	±10	65 @ 252KHz	0.68	37	62	0.252

CSH0510 TYPE

Part Number 型号	Inductance 电感量	Tolerance 公差	Min Quality Factor 品质因子	Min.Self- resonant Frequency 自谐频率	Max.DC Resistance 直流电阻	Max.Rated Current 额定电流	L,Q Test Freq,L/Q 测试频率
Units 单位	UH	(%)	-	MHz	Ω	mA	MHz
Symbol 符号	L _{0A}		Q	S.R.F	DCR	I _r	Freq.
CSH0510*682K	6800	±10	60 @ 252KHz	0.67	42	56	0.252
CSH0510*822K	8200	±10	60 @ 252KHz	0.6	48	52	0.252
CSH0510*103K	10000	±10	30 @ 79.6KHz	0.51	75	47	0.0796
CSH0510*123K	12000	±10	30 @ 79.6KHz	0.47	82	40	0.0796
CSH0510*153K	15000	±10	30 @ 79.6KHz	0.39	108	35	0.0796
CSH0510*183K	18000	±10	30 @ 79.6KHz	0.37	120	30	0.0796
CSH0510*223K	22000	±10	30 @ 79.6KHz	0.33	144	24	0.0796
CSH0510*273K	27000	±10	30 @ 79.6KHz	0.3	187	18	0.0796
CSH0510*303K	30000	±10	30 @ 79.6KHz	0.27	200	14	0.0796
CSH0510*333K	33000	±10	30 @ 79.6KHz	0.27	216	8	0.0796
CSH0510*393K	39000	±10	30 @ 79.6KHz	0.25	240	7	0.0796

MARKING

The inductance is marked by color code as listed below.

First significant figure
Second significant figure

Inductance tolerance
Multiplier

Type	Color Code	颜色	1st & 2nd Figure	Multiplier	Tolerance
CSH0204 & CSH0307 & CSH0410 & CSH0510	BLACK	黑	0	1	±20%
	BROWN	棕	1	10	--
	RED	红	2	100	--
	ORANGE	橙	3	1000	--
	YELLOW	黄	4	--	--
	GREEN	绿	5	--	--
	BLUE	蓝	6	--	--
	PURPLE	紫	7	--	--
	GRAY	灰	8	--	--
公差颜色	WHITE	白	9	--	--
	GOLD	金	--	0.1	±5%
	SILVER	银	--	0.01	±10%