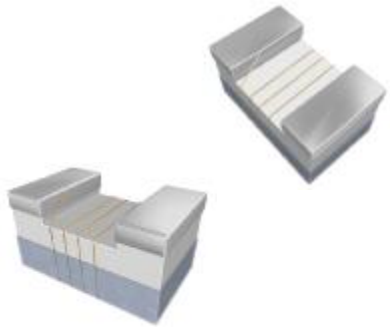
Чип-индуктивность проволочная для печатного монтажаWIRE WOUND CHIP INDUCTORS

FEATURES

- High Self-Resonance Frequency
- Stable inductance at high frequency
- Tight inductance tolerance
- High Q factory
- High current
- Low DCR

MODEL

- **CCSP 0805 F**
- **CCSP 0805 C**
- **CCSP 0603 C**
- **CCFH 0805 C**
- **CCFH 0603 C**
- **HCFT 0402 C**



APPLICATIONS

- Antenna amplifiers
- Mobile phone
- Key entry
- GPS (Global Positioning System)
- Wireless LAN
- PDA (Personal Digital Assistant)

How to Specify Chip Inductor

C	C	S	P	0	6	0	3	C	2	N	7	J
□	□	□	□	□	□	□	□	□	□	□	□	□
①	②	③	④	⑤				⑥	⑦			⑧

① Bobbin type C U shape
H H shape

② Bobbin material C Ceramic Bobbin
F Ferrite Bobbin

③ Electrode sort S Tin-Lead
F Pb Free

④ Wire sort P General Wire
S Soft Wire
D UEW-D
H HSEW
T Special Wire

⑤ Bobin size 0402,0603,0805

⑥ CEC'S CODE (Controlled by CEC)

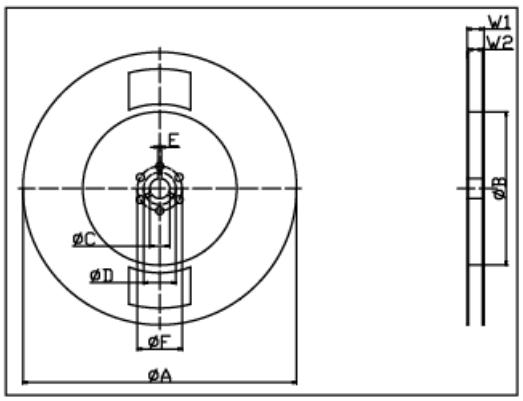
⑦ Inductance e.g. 2N7≒2.7nH
R39≒390nH

⑧ Inductance tolerance F G J K M X Y
±1% ±2% ±5% ±10% ±20% ±1.5% ±4.5%

* Special instance CCSP 0805 F is Ferrite Bobbin.

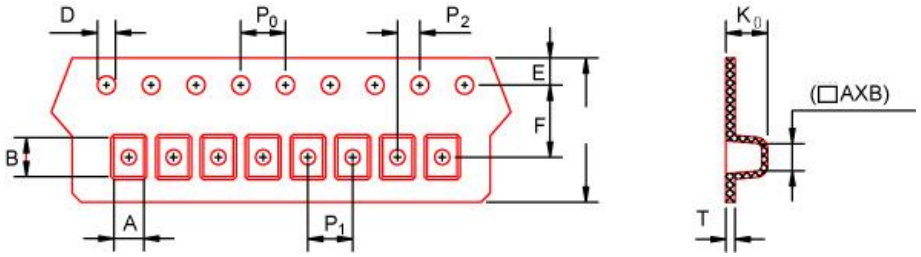
※Specifications other than the above will be furnished upon request.

REEL DIMENSIONS (mm)



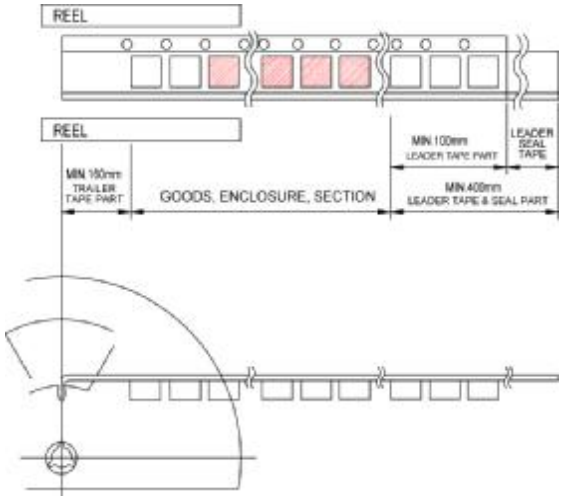
							W_2
0805 0603	∅180 +0 -3	∅ 60 ±2	∅ 13 ±0.5	∅ 21 ±0.8	2.0 ±0.5	9 ±0.5	11.5 ±0.8
							∅11.4 ±1.0

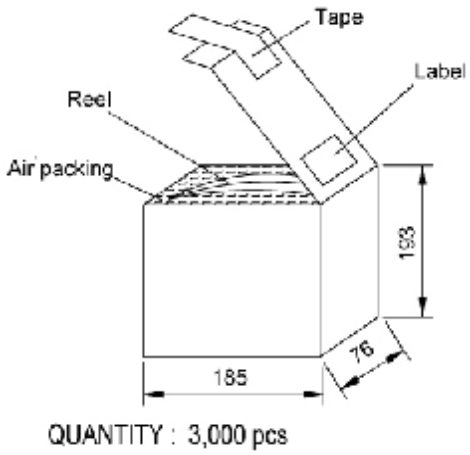
TAPING DIMENSIONS (mm)



											F±0.05
0805	2.0 ±0.2	2.6 ±0.1	2.0 max.	0.3 max.	8.0 ±0.3	4.0	4.0 ±0.1	2.0 ±0.5	Ø1.5 ±0.1	1.75	3.5
0603	1.2 ±0.2	2.0 ±0.1	1.2max.	0.242 max.	8.0 ±0.3	4.0	4.0 ±0.1	2.0 ±0.5	Ø1.5 ±0.1	1.75	3.5
					-						3.5

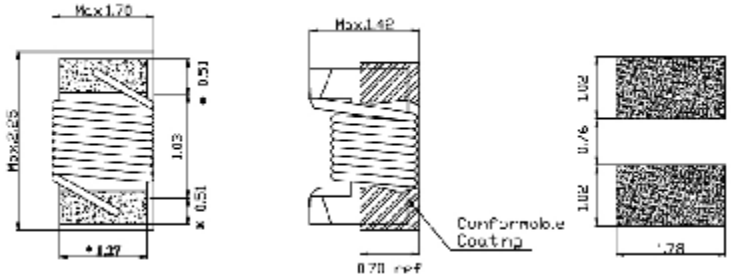
PACKING DIMENSIONS (mm)





QUANTITY : 3,000 pcs

Construction & Dimensions: mm

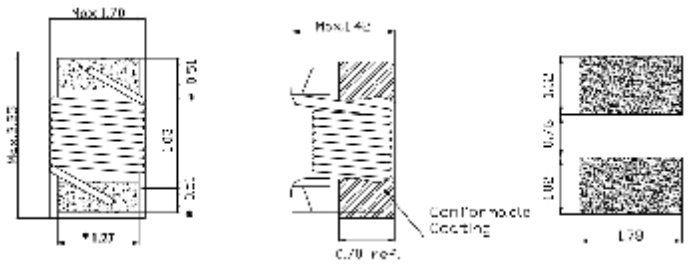


CCSP0805F SERIES ELECTRICAL CHARACTERISTIC (H500-0086)							
							IDC
					(MHz)Min. Min.min.		(mA) max.
CCSP 0805 F 1R0 □	1	J, K	7.96	15	387	0.46	434
CCSP 0805 F 1R2 □	1.2	J, K	7.96	15	269	0.51	425
CCSP 0805 F 1R5 □	1.5	J, K	7.96	15	228	0.56	390
CCSP 0805 F 1R8 □	1.8	J, K	7.96	15	238	0.76	338
CCSP 0805 F 2R2 □	2.2	J, K	7.96	15	189	0.84	313
CCSP 0805 F 2R7 □	2.7	J, K	7.96	15	156	1.09	284
CCSP 0805 F 3R3 □	3.3	J, K	7.96	15	151	1.24	262
CCSP 0805 F 3R9 □	3.9	J, K	7.96	15	133	1.32	250
CCSP 0805 F 4R7 □	4.7	J, K	7.96	15	107	1.46	238
CCSP 0805 F 5R0 □	5	J, K	7.96	15	101	1.64	230
CCSP 0805 F 5R6 □	5.6	J, K	7.96	15	111	2.05	217
CCSP 0805 F 6R8 □	6.8	J, K	7.96	15	87	2.21	212
CCSP 0805 F 8R2 □	8.2	J, K	7.96	15	79	2.47	204
CCSP 0805 F 10R □	10	J, K	2.52	9	83	3.53	168
CCSP 0805 F 12R □	12	J, K	2.52	9	61	4.1	156
CCSP 0805 F 15R □	15	J, K	2.52	9	52	4.62	150
CCSP 0805 F 18R □	18	J, K	2.52	9	15	4.6	148
CCSP 0805 F 22R □	22	J, K	2.52	8	15	5	143
CCSP 0805 F 27R □	27	J, K	2.52	8	15	5.6	130
CCSP 0805 F 33R □	33	J, K	2.52	8	15	6	112
CCSP 0805 F 39R □	39	J, K	2.52	7	15	8	108

Testing instrument and conditions :
DCR : HP 34420A or equivalent
S.R.F. : HP 8720ES or equivalent
Inductance & Q : HP 4287A & HP 16193A or equivalent
DCI : based on a 20℃ maximum temperature rise.

* Inductance tolerance : G = ±2%, J = ±5% , K = ±10%
※Specifications other than the above will be furnished upon request.

Construction & Dimensions: mm



Specification table of Wire Wound Chip Inductors CCSP 0805 C								
CEC P/N	Inductance			Q Min.	Test Freq. (MHz)	S.R.F. (MHz) min.	DCR (Ω) max.	DCI (mA) max.
	L (nH)	Tolerance *						
CCSP 0805 C 2N7 □	2.7	J, K	250	80	1500	7900	0.06	800
CCSP 0805 C 3N0 □	3.0	J, K		65	1500	7900	0.06	800
CCSP 0805 C 3N3 □	3.3	J, K	250	50	1500	7900	0.10	600
CCSP 0805 C 5N6 □	5.6	J, K		65	1000	5500	0.08	600
CCSP 0805 C 6N8 □	6.8	J, K		50	1000	5500	0.11	600
CCSP 0805 C 7N5 □	7.5	J, K		50	1000	4500	0.14	600
CCSP 0805 C 8N2 □	8.2	G, J, K		50	1000	4700	0.12	600
CCSP 0805 C 10N □	10.0	G, J, K		60	500	4200	0.10	600
CCSP 0805 C 12N □	12.0	G, J, K		50	500	4000	0.15	600
CCSP 0805 C 15N □	15.0	G, J, K		50	500	3400	0.17	600
CCSP 0805 C 18N □	18.0	G, J, K	250	50	500	3300	0.20	600
CCSP 0805 C 22N □	22.0	G, J, K		55	500	2600	0.22	500
CCSP 0805 C 24N □	24.0	G, J, K		50	500	2000	0.22	500
CCSP 0805 C 27N □	27.0	G, J, K		55	500	2500	0.25	500
CCSP 0805 C 33N □	33.0	G, J, K		60	500	2050	0.27	500
CCSP 0805 C 36N □	36.0	G, J, K		55	500	1700	0.27	500
CCSP 0805 C 39N □	39.0	G, J, K		60	500	2000	0.29	500
CCSP 0805 C 43N □	43.0	G, J, K		60	500	1650	0.34	500
CCSP 0805 C 47N □	47.0	G, J, K		60	500	1650	0.31	500
CCSP 0805 C 56N □	56.0	G, J, K		60	500	1550	0.34	500
CCSP 0805 C 68N □	68.0	G, J, K		60	500	1450	0.38	500
CCSP 0805 C 82N □	82.0	G, J, K		65	500	1300	0.42	400
CCSP 0805 C 91N □	91.0	G, J, K		65	500	1200	0.48	400
CCSP 0805 C R10 □	100.0	G, J, K		65	500	1200	0.46	400
CCSP 0805 C R11 □	110.0	G, J, K		50	250	1000	0.48	400
CCSP 0805 C R12 □	120.0	G, J, K		50	250	1100	0.51	400
CCSP 0805 C R15 □	150.0	G, J, K		50	250	920	0.56	400
CCSP 0805 C R18 □	180.0	G, J, K		50	250	870	0.64	400
CCSP 0805 C R22 □	220.0	G, J, K		50	250	850	0.70	400
CCSP 0805 C R24 □	240.0	G, J, K		44	250	690	1.0	350
CCSP 0805 C R27 □	270.0	G, J, K	100	48	250	650	1.0	350
CCSP 0805 C R33 □	330.0	G, J, K		48	250	600	1.4	310
CCSP 0805 C R39 □	390.0	G, J, K	100	48	250	560	1.5	290
CCSP 0805 C R47 □	470.0	J, K		33	100	375	1.76	250
CCSP 0805 C R56 □	560.0	J, K	25	23	50	340	1.90	230
CCSP 0805 C R68 □	680.0	J, K		23	50	188	2.20	190
CCSP 0805 C R82 □	820.0	J, K	25	23	50	215	2.35	180
CCSP 0805 C 1R0 □	1000.0	J, K		23	50	282	6.90	92

Testing instrument and conditions :
DCR : HP 34420A or equivalent
S.R.F. : HP 8720ES or equivalent
Inductance & Q : HP 4287A & HP 16193A or equivalent
DCI : based on a 20℃ maximum temperature rise.

* Inductance tolerance : G = ±2%, J = ±5% , K = ±10%
※Specifications other than the above will be furnished upon request.

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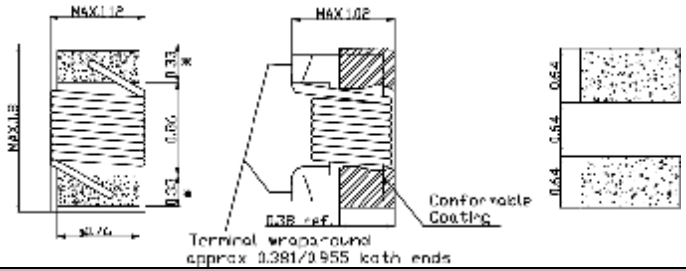
Construction & Dimensions: mm



CCSP 0603 C SERIES ELECTRICAL CHARACTERISTIC (H5000001)							
	L(nH)	Tolerance	min.	Test Freq. (MHz)	S.R.F. (MHz) min.	DCR (Ω) max.	IDC (mA) max.
CCSP 0603 C 1N6 □	1.6	J, K	24	250	12500	0.030	700
CCSP 0603 C 1N8 □	1.8	J, K	16	250	12500	0.045	700
CCSP 0603 C 3N3 □	3.3	J, K	25	250	10000	0.050	700
CCSP 0603 C 3N6 □	3.6	J, K	22	250	5900	0.063	700
CCSP 0603 C 3N9 □	3.9	J, K	22	250	6900	0.080	700
CCSP 0603 C 4N3 □	4.3	J, K	22	250	5900	0.063	700
CCSP 0603 C 4N7 □	4.7	J, K	20	250	5800	0.130	700
CCSP 0603 C 5N1 □	5.1	J, K	20	250	5700	0.140	700
CCSP 0603 C 5N6 □	5.6	G,J,K	25	250	6000	0.1	700
CCSP 0603 C 6N8 □	6.8	G,J,K	27	250	5800	0.110	700
CCSP 0603 C 7N5 □	7.5	G,J,K	28	250	4800	0.106	700
CCSP 0603 C 8N2 □	8.2	G,J,K	28	250	4600	0.11	700
CCSP 0603 C 8N7 □	8.7	G,J,K	28	250	4600	0.109	700
CCSP 0603 C 9N5 □	9.5	G,J,K	28	250	5400	0.135	700
CCSP 0603 C 10N □	10	G,J,K	31	250	4800	0.130	700
CCSP 0603 C 11N □	11	G,J,K	33	250	4000	0.107	700
CCSP 0603 C 12N □	12	G,J,K	35	250	4000	0.130	700
CCSP 0603 C 15N □	15	G,J,K	35	250	4000	0.170	700
CCSP 0603 C 16N □	16	G,J,K	34	250	3300	0.134	700
CCSP 0603 C 18N □	18	G,J,K	35	250	3100	0.170	700
CCSP 0603 C 22N □	22	G,J,K	38	250	3000	0.190	700
CCSP 0603 C 24N □	24	G,J,K	37	250	2650	0.190	700
CCSP 0603 C 27N □	27	G,J,K	40	250	2800	0.220	600
CCSP 0603 C 30N □	30	G,J,K	37	250	2250	0.187	600
CCSP 0603 C 33N □	33	G,J,K	38	250	2300	0.260	600
CCSP 0603 C 36N □	36	G,J,K	38	250	2080	0.250	600
CCSP 0603 C 39N □	39	G,J,K	40	250	2200	0.250	600
CCSP 0603 C 43N □	43	G,J,K	39	250	2000	0.280	600
CCSP 0603 C 47N □	47	G,J,K	38	200	2000	0.280	600
CCSP 0603 C 56N □	56	G,J,K	38	200	1900	0.340	600
CCSP 0603 C 68N □	68	G,J,K	37	200	1700	0.340	600
CCSP 0603 C 72N □	72	G,J,K	34	150	1700	0.490	400
CCSP 0603 C 82N □	82	G,J,K	34	150	1700	0.540	400
CCSP 0603 C R10 □	100	G,J,K	34	150	1400	0.580	400
CCSP 0603 C R11 □	110	G,J,K	32	150	1350	0.610	300
CCSP 0603 C R12 □	120	G,J,K	32	150	1300	0.720	300
CCSP 0603 C R15 □	150	G,J,K	28	150	990	0.920	280
CCSP 0603 C R18 □	180	G,J,K	25	100	990	1.250	240
CCSP 0603 C R22 □	220	G,J,K	25	100	900	2.100	200
CCSP 0603 C R27 □	270	G,J,K	24	100	900	2.300	170
CCSP 0603 C R33 □	330	G,J,K	25	100	900	3.630	170
CCSP 0603 C R39 □	390	G,J,K	25	100	700	3.700	130

∗Testing instrument and conditions

DCR : HP 34420A or equivalent Inductance & Q : HP 4287A & HP16193A or equivalent

S.R.F. : HP 8720ES or equivalent IDC : Based on a 20℃ maximum temperature rise.

※ Inductance tolerance □: G = ±2 %, J = ±5 %, K = ±10 %

※Specifications other than the above will be furnished upon request.

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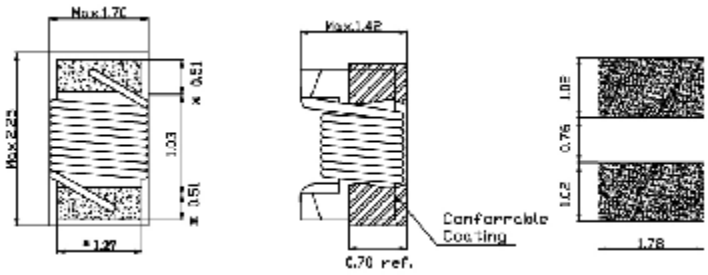
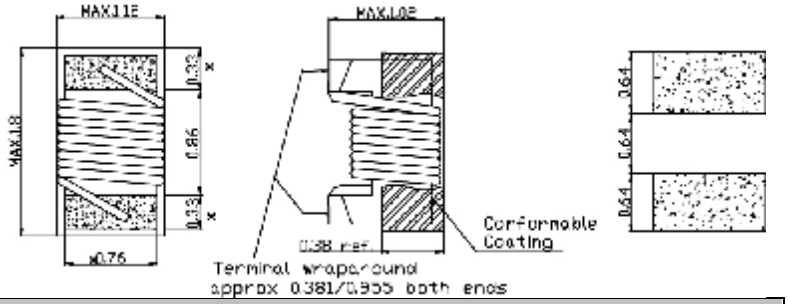
Construction & Dimensions: mm



					-			
	tance		Test Freq.	Q		S.R.F.	DCR	IDC
			(MHz)	Min.		(MHz) Min.	(Ω) max.	(mA) max.
CCFH 0805 C 2N7 □	2.7	J, K	250	80	1500	7900	0.06	800
CCFH 0805 C 3N0 □	3	J, K	250	65		7900	0.06	800
CCFH 0805 C 3N3 □	3.3	J, K	250	50	1500	7900	0.10	600
CCFH 0805 C 5N6 □	5.6	J, K	250	65		5500	0.08	600
CCFH 0805 C 6N8 □	6.8	J, K	250	50		5500	0.11	600
CCFH 0805 C 7N5 □	7.5	J, K	250	50		4500	0.14	600
CCFH 0805 C 8N2 □	8.2	G, J, K	250	50		4700	0.12	600
CCFH 0805 C 10N □	10	G, J, K	250	60		4200	0.10	600
CCFH 0805 C 12N □	12	G, J, K	250	50		4000	0.15	600
CCFH 0805 C 15N □	15	G, J, K	250	50		3400	0.17	600
CCFH 0805 C 18N □	18	G, J, K	250	50	500	3300	0.20	600
CCFH 0805 C 22N □	22	G, J, K	250	55		2600	0.22	500
CCFH 0805 C 24N □	24	G, J, K	250	50		2000	0.22	500
CCFH 0805 C 27N □	27	G, J, K	250	55		2500	0.25	500
CCFH 0805 C 33N □	33	G, J, K	250	60		2050	0.27	500
CCFH 0805 C 36N □	36	G, J, K	250	55		1700	0.27	500
CCFH 0805 C 39N □	39	G, J, K	250	60		2000	0.29	500
CCFH 0805 C 43N □	43	G, J, K	250	60		1650	0.34	500
CCFH 0805 C 47N □	47	G, J, K	200	60		1650	0.31	500
CCFH 0805 C 56N □	56	G, J, K	200	60		1550	0.34	500
CCFH 0805 C 68N □	68	G, J, K	200	60		1450	0.38	500
CCFH 0805 C 82N □	82	G, J, K	150	65		1300	0.42	400
CCFH 0805 C 91N □	91	G, J, K	150	65		1200	0.48	400
CCFH 0805 C R10 □	100	G, J, K	150	65		1200	0.46	400
CCFH 0805 C R11 □	110	G, J, K	150	50		1000	0.48	400
CCFH 0805 C R12 □	120	G, J, K	150	50		1100	0.51	400
CCFH 0805 C R15 □	150	G, J, K	100	50		920	0.56	400
CCFH 0805 C R18 □	180	G, J, K	100	50		870	0.64	400
CCFH 0805 C R22 □	220	G, J, K	100	50		850	0.70	400
CCFH 0805 C R24 □	240	G, J, K	100	44		690	1.00	350
CCFH 0805 C R27 □	270	G, J, K	100	48	250	650	1.00	350
CCFH 0805 C R33 □	330	G, J, K	100	48		600	1.40	310
CCFH 0805 C R39 □	390	G, J, K	100	48	250	560	1.50	290
CCFH 0805 C R47 □	470	J, K	50	33		375	1.76	250
CCFH 0805 C R56 □	560	J, K	25	23	50	340	1.90	230
CCFH 0805 C R68 □	680	J, K	25	23		188	2.20	190
CCFH 0805 C R82 □	820	J, K	25	23	50	215	2.35	180
CCFH 0805 C 1R0 □	1000	J, K	25	23		282	6.90	92

∗Testing instrument and conditions
DCR : HP 34420A or equivalent Inductance & Q : HP 4287A & HP16193A or equivalent
S.R.F. : HP 8720ES or equivalent IDC : Based on a 20℃ maximum temperature rise.
※ Inductance tolerance □: G = ±2 %, J = ±5 %, K = ±10 %
※Specifications other than the above will be furnished upon request.

Construction & Dimensions: mm



CCFH 0603 C SERIES ELECTRICAL CHARACTERISTIC <Pb-Free> (H5000202)							
	L(nH)	Tolerance	min.	Test Freq. (MHz)	S.R.F. (MHz) min.	DCR (Ω) max.	IDC (mA) max.
CCFH 0603 C 1N6 □	1.6	Y, J, K	24	250	12500	0.030	700
							700
CCFH 0603 C 3N3 □	3.3	Y, J, K	25	250	10000	0.050	700
							700
CCFH 0603 C 3N9 □	3.9	Y, J, K	22	250	6900	0.080	700
							700
CCFH 0603 C 4N7 □	4.7	Y, J, K	20	250	5800	0.130	700
							700
CCFH 0603 C 6N8 □	6.8	G,Y,J,K	27	250	5800	0.110	700
							700
CCFH 0603 C 8N7 □	8.7	G,Y,J,K	28	250	4600	0.109	700
							700
CCFH 0603 C 10N □	10	G,Y,J,K	31	250	4800	0.130	700
							700
CCFH 0603 C 12N □	12	G,Y,J,K	35	250	4000	0.130	700
							700
CCFH 0603 C 16N □	16	G,Y,J,K	34	250	3300	0.134	700
							700
CCFH 0603 C 22N □	22	G,Y,J,K	38	250	3000	0.190	700
							700
CCFH 0603 C 27N □	27	G,Y,J,K	40	250	2800	0.220	600
							600
CCFH 0603 C 33N □	33	G,Y,J,K	38	250	2300	0.260	600
							600
CCFH 0603 C 39N □	39	G,Y,J,K	40	250	2200	0.250	600
							600
CCFH 0603 C 47N □	47	G,Y,J,K	38	200	2000	0.280	600
							600
CCFH 0603 C 68N □	68	G,Y,J,K	37	200	1700	0.340	600
							400
CCFH 0603 C 82N □	82	G,Y,J,K	34	150	1700	0.540	400
							400
CCFH 0603 C R11 □	110	G,Y,J,K	32	150	1350	0.610	300
							300
CCFH 0603 C R15 □	150	G,Y,J,K	28	150	990	0.920	280
							240
CCFH 0603 C R22 □	220	G,Y,J,K	25	100	900	2.100	200
							170
CCFH 0603 C R33 □	330	G,Y,J,K H,G,Y,J,K	25	100	900	3.630	170
							130

∗Testing instrument and conditions
DCR : HP 34420A or equivalent Inductance & Q : HP 4287A & HP16193A or equivalent
S.R.F. : HP 8720ES or equivalent IDC : Based on a 20℃ maximum temperature rise.
※ Inductance tolerance □: G = ±2 %, J = ±5 %, K = ±10 %
※Specifications other than the above will be furnished upon request.

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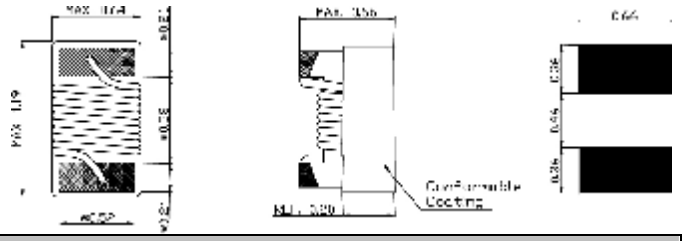
Construction & Dimensions: mm



HCFT 0402 C SERIES ELECTRICAL CHARACTERISTIC (H5000204)							
	NDUCTANCE						IDC (mA) max.
HCFT 0402 C 1N0 □	1.0	J, K	16	250	12.70	0.045	1360
							1040
HCFT 0402 C 2N0 □	2.0	J, K	16	250	11.10	0.07	1040
							960
							790
							640
							840
							840
							840
							700
HCFT 0402 C 4N7 □	4.7	J, K	15	250	4.77	0.13	640
							800
							760
							760
							680
							680
							680
							480
							680
							480
							480
							640
							640
							440
							560
							560
							420
							480
							420
							400
HCFT 0402 C 23N □	23.0	G, J, K	22	250	2.72	0.3	400
							400
HCFT 0402 C 27N □	27.0	G, J, K	24	250	2.48	0.3	400
							400
HCFT 0402 C 33N □	33.0	G, J, K	24	250	2.35	0.3	400
							320
HCFT 0402 C 39N □	39.0	G, J, K	25	250	2.10	0.55	200
							320
HCFT 0402 C 43N □	43.0	G, J, K	25	250	2.03	0.81	100
							150
HCFT 0402 C 51N □	51.0	G, J, K	25	250	1.75	0.82	100
							100
HCFT 0402 C 68N □	68.0	G, J, K	22	250	1.62	1.12	100

∗Testing instrument and conditions

DCR : HP 34420A or equivalent — Inductance & Q : HP 4287A & HP16193A or equivalent

S.R.F. : HP 8720ES or equivalent — IDC : Based on a 20℃ maximum temperature rise.

※ Inductance tolerance □: G = ±2 %, J = ±5 %, K = ±10 %

※Specifications other than the above will be furnished upon request.