



SYNTON-TECH CORPORATION

CHIP INDUCTORS

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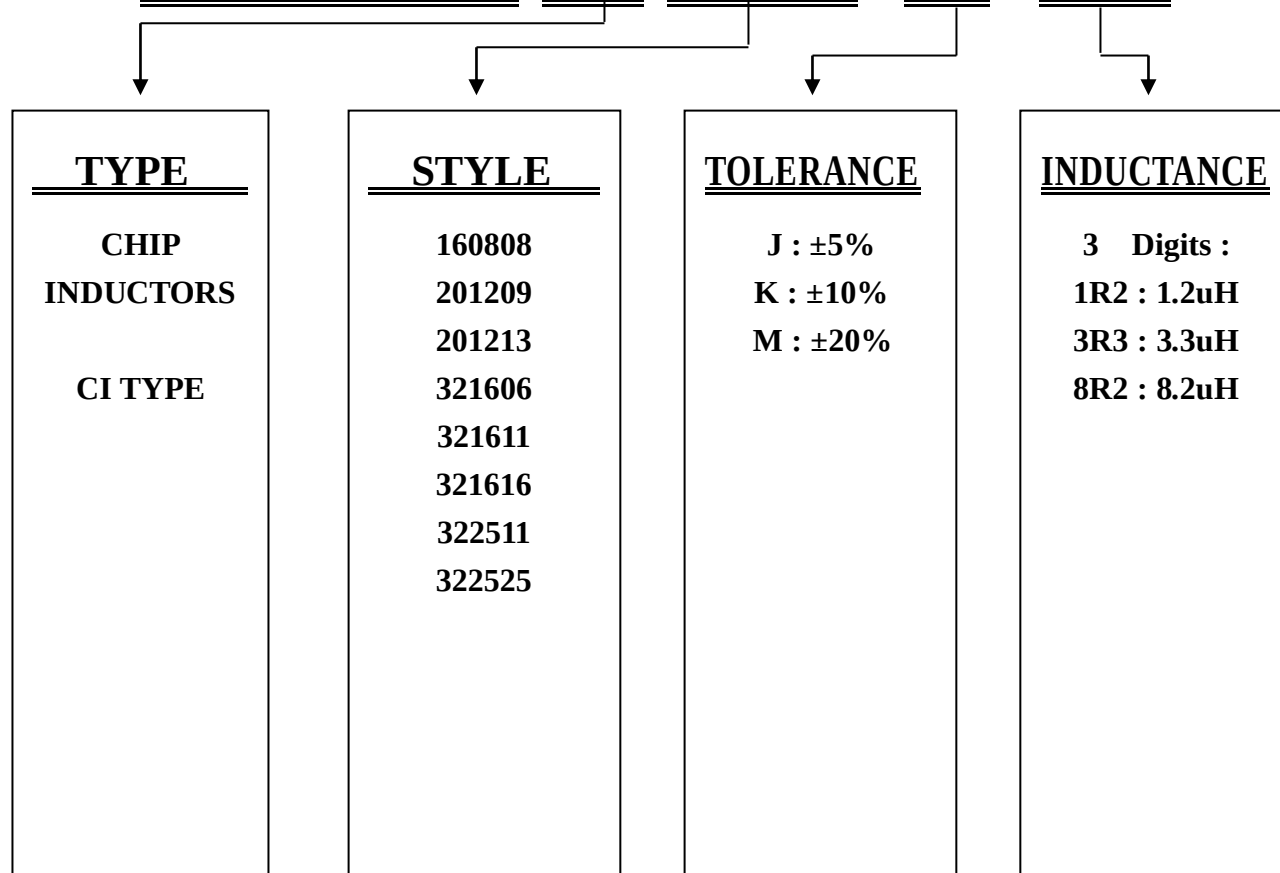
1. FEATURES

1. Surface-Mount Components.
2. Wire Wound Chip Inductor.
3. High Q.
4. Highly Reliable.
5. Ideal For Power Use.
6. Highly Accurate Dimensions For Automatic Mounting.

2. EXPLANATIONS OF ORDERING CODE

DESCRIPTION : CI 321611 10% 3.3uH

SYNTON CODE : CI 321611 K 3R3

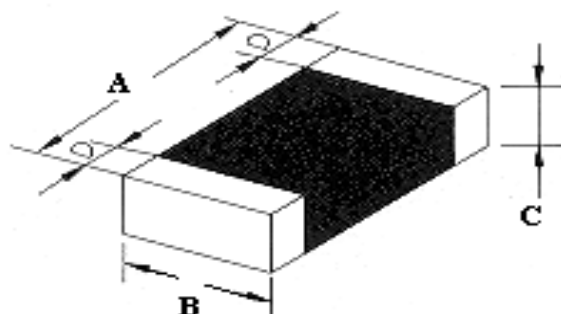


APPROVED	CHECKED	DESIGNED	REMARK	DOCUMENT NO.
Carol	May	Chen		0201010131

Confidential, Do Not Disseminate.



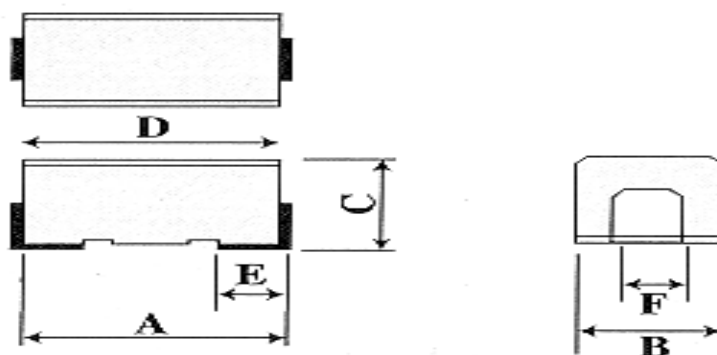
3. DIMENSIONS



Unit: m/m

TYPE	A	B	C	D
CI160808	1.6 ±0.2	0.8 ±0.2	0.8 ±0.15	0.3 ± 0.2
CI201209	2.0 ±0.2	1.2 ±0.2	0.9 ±0.20	0.5 ± 0.3
CI201213	2.0 ±0.2	1.2 ±0.2	1.3±0.30	0.5 ± 0.3
CI321606	3.2 ±0.2	1.6 ±0.2	0.6 ±0.2	0.5 ± 0.3
CI321611	3.2 ±0.2	1.6 ±0.2	1.1±0.3	0.5 ± 0.3
CI321616	3.2 ±0.2	1.6 ±0.2	1.6 ±0.3	0.5 ± 0.3
CI322511	3.2 ±0.2	2.5 ±0.3	1.1±0.3	0.5 ± 0.3
CI322525	3.2 ±0.2	2.5 ±0.3	2.5 ±0.3	0.5 ± 0.3

Figure1



Unit: m/m

TYPE	A	B	C	D	E	F
CI322522	3.2 ±0.3	2.5 ±0.2	2.2 ±0.2	2.9 ± 0.2	0.6± 0.2	1.0± 0.2
CI453232	4.5 ±0.3	3.2 ±0.2	3.2 ±0.2	4.2 ± 0.2	1.0± 0.2	1.2± 0.2

Figure2

**SYNTON-TECH CORPORATION****CHIP INDUCTORS**

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CI1608xx

PART NO.	INDUCTANCE (uH)	QUALITY FACTOR (MIN)	TESTING FREQ. (MHz)	S.R.F. (MHz) MIN	DC RESISTANCE (Ω) MAX	RATED DC CURRENT (mA) MAX
CI1608MR047	0.047	10	50	260	0.30	50
CI1608MR068	0.068	10	50	250	0.30	50
CI1608MR082	0.082	10	50	245	0.30	50
CI1608KR10	0.10	15	25	240	0.50	50
CI1608KR12	0.12	15	25	205	0.50	50
CI1608KR15	0.15	15	25	180	0.60	50
CI1608KR18	0.18	15	25	165	0.60	50
CI1608KR22	0.22	15	25	150	0.80	50
CI1608KR27	0.27	15	25	136	0.80	50
CI1608KR33	0.33	15	25	125	0.85	35
CI1608KR39	0.39	15	25	110	1.00	35
CI1608KR47	0.47	15	25	105	1.35	35
CI1608KR56	0.56	15	25	95	1.55	35
CI1608KR68	0.68	15	25	80	1.70	35
CI1608KR82	0.82	15	25	75	2.10	35
CI1608K1R0	1.00	35	10	70	0.60	25
CI1608K1R2	1.20	35	10	60	0.80	25
CI1608K1R5	1.50	35	10	55	0.80	25
CI1608K1R8	1.80	35	10	50	0.95	25
CI1608K2R2	2.20	35	10	45	1.15	15
CI1608K2R7	2.70	35	10	40	1.35	15
CI1608K3R3	3.30	20	10	38	1.55	15
CI1608K3R9	3.90	20	10	36	1.70	15
CI1608K4R7	4.70	20	10	33	2.10	15
CI1608K5R6	5.60	25	4	22	1.55	5
CI1608K6R8	6.80	25	4	20	1.70	5
CI1608K8R2	8.20	25	4	18	2.10	5
CI1608K100	10.00	20	2	17	2.55	5
CI1608K120	12.00	20	2	15	2.75	5



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CI2012xx

PART NO.	INDUCTANCE (uH)	QUALITY FACTOR (MIN)	TESTING FREQ. (MHz)	S.R.F. (MHz) MIN	DC RESISTANCE (Ω) MAX	RATED DC CURRENT (mA) MAX
CI2012MR047	0.047	15	50	320	0.20	300
CI2012MR068	0.068	15	50	280	0.20	300
CI2012MR082	0.082	15	50	255	0.20	300
CI2012KR10	0.10	20	25	235	0.30	250
CI2012KR12	0.12	20	25	220	0.30	250
CI2012KR15	0.15	20	25	200	0.50	250
CI2012KR18	0.18	20	25	185	0.50	250
CI2012KR22	0.22	20	25	170	0.50	250
CI2012KR27	0.27	20	25	150	0.50	250
CI2012KR33	0.33	20	25	145	0.55	250
CI2012KR39	0.39	25	25	135	0.65	200
CI2012KR47	0.47	25	25	125	0.65	200
CI2012KR56-0R55	0.56	25	25	115	0.55	150
CI2012KR56	0.56	25	25	115	0.75	150
CI2012KR68	0.68	25	25	105	0.80	150
CI2012KR82	0.82	25	25	100	1.00	150
CI2012K1R0	1.00	45	10	75	0.40	50
CI2012K1R2	1.20	45	10	65	0.50	50
CI2012K1R5	1.50	45	10	60	0.50	50
CI2012K1R8	1.80	45	10	55	0.60	50
CI2012K2R2	2.20	45	10	50	0.65	30
CI2012K2R7	2.70	45	10	45	0.75	30
CI2012K3R3	3.30	45	10	41	0.80	30
CI2012K3R9	3.90	45	10	38	0.90	30
CI2012K4R7	4.70	45	10	35	1.00	30
CI2012K5R6	5.60	40	4	32	0.90	15
CI2012K6R8	6.80	40	4	29	1.00	15
CI2012K8R2	8.20	40	4	26	1.10	15
CI2012K100	10.00	30	2	24	1.15	15
CI2012K120	12.00	30	2	22	1.25	15
CI2012K150	15.00	30	1	19	0.80	5
CI2012K180	18.00	30	1	18	0.90	5
CI2012K220	22.00	30	1	16	1.10	5
CI2012K270	27.00	30	1	14	1.15	5
CI2012K330	33.00	35	0.4	13	1.25	5



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CI3216xx

PART NO.	INDUCTANCE (uH)	QUALITY FACTOR (MIN)	TESTING FREQ. (MHz)	S.R.F. (MHz) MIN	DC RESISTANCE (Ω) MAX	RATED DC CURRENT (mA) MAX
CI3216MR047	0.047	20	50	320	0.15	300
CI3216MR068	0.068	20	50	280	0.25	300
CI3216KR10	0.10	20	25	235	0.25	250
CI3216KR12	0.12	20	25	220	0.30	250
CI3216KR15	0.15	20	25	200	0.30	250
CI3216KR18	0.18	20	25	185	0.40	250
CI3216KR22	0.22	20	25	170	0.40	250
CI3216KR27	0.27	20	25	150	0.50	250
CI3216KR33	0.33	20	25	145	0.60	250
CI3216KR39	0.39	25	25	135	0.50	200
CI3216KR47	0.47	25	25	125	0.60	200
CI3216KR56	0.56	25	25	115	0.70	150
CI3216KR68	0.68	25	25	105	0.80	150
CI3216KR82	0.82	25	25	100	0.90	150
CI3216K1R0	1.00	45	10	75	0.40	100
CI3216K1R2	1.20	45	10	65	0.50	100
CI3216K1R5	1.50	45	10	60	0.50	50
CI3216K1R8	1.80	45	10	55	0.50	50
CI3216K2R2	2.20	45	10	50	0.60	50
CI3216K2R7	2.70	45	10	45	0.60	50
CI3216K3R3	3.30	45	10	41	0.70	50
CI3216K3R9	3.90	45	10	38	0.80	50
CI3216K4R7	4.70	45	10	35	0.90	50
CI3216K5R6	5.60	40	4	32	0.70	25
CI3216K6R8	6.80	40	4	29	0.80	25
CI3216K8R2	8.20	40	4	26	0.90	25
CI3216K100	10.00	30	2	24	1.00	25
CI3216K120	12.00	30	2	22	1.05	15
CI3216K150	15.00	35	1	19	0.70	5
CI3216K180	18.00	35	1	18	0.70	5
CI3216K220	22.00	35	1	16	0.90	5
CI3216K270	27.00	35	1	14	0.90	5
CI3216K330	33.00	35	0.4	13	1.05	5



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CI3225xx

PART NO.	INDUCTANCE (uH)	QUALITY FACTOR (MIN)	TESTING FREQ. (MHz)	S.R.F. (MHz) MIN	DC RESISTANCE (Ω) MAX	RATED DC CURRENT (mA) MAX
CI3225MR12	0.12	30	25.2	500	0.22	450
CI3225MR15	0.15	30	25.2	450	0.25	450
CI3225MR18	0.18	30	25.2	400	0.28	450
CI3225MR22	0.22	30	25.2	350	0.32	450
CI3225MR27	0.27	30	25.2	320	0.36	450
CI3225MR33	0.33	30	25.2	300	0.40	450
CI3225MR39	0.39	30	25.2	250	0.45	450
CI3225MR47	0.47	30	25.2	220	0.50	450
CI3225MR56	0.56	30	25.2	180	0.55	450
CI3225MR68	0.68	30	25.2	160	0.60	450
CI3225MR82	0.82	30	25.2	140	0.65	450
CI3225K1R0	1.0	30	7.96	120	0.70	400
CI3225K1R2	1.2	30	7.96	100	0.75	390
CI3225K1R5	1.5	30	7.96	85	0.85	370
CI3225K1R8	1.8	30	7.96	80	0.90	350
CI3225K2R2	2.2	30	7.96	75	1.00	320
CI3225K2R7	2.7	30	7.96	70	1.10	290
CI3225K3R3	3.3	30	7.96	60	1.20	260
CI3225K3R9	3.9	30	7.96	55	1.30	250
CI3225K4R7	4.7	30	7.96	50	1.50	220
CI3225K5R6	5.6	30	7.96	47	1.60	200
CI3225K6R8	6.8	30	7.96	43	1.80	180
CI3225K8R2	8.2	30	7.96	40	2.00	170
CI3225K100	10	30	2.52	36	2.10	150
CI3225K120	12	30	2.52	33	2.50	140
CI3225K150	15	30	2.52	28	2.80	130
CI3225K180	18	30	2.52	25	3.30	120
CI3225K220	22	30	2.52	23	3.70	110
CI3225K270	27	30	2.52	18	5.00	80
CI3225K330	33	30	2.52	17	5.60	70
CI3225K390	39	30	2.52	16	6.40	65
CI3225K470	47	30	2.52	15	7.00	60
CI3225K560	56	30	2.52	13	8.00	55
CI3225K680	68	30	2.52	12	9.00	50
CI3225K820	82	30	2.52	11	10.00	45
CI3225K101	100	20	0.796	10	11.00	40
CI3225K121	120	20	0.796	10	12.00	70
CI3225K151	150	20	0.796	8	15.00	65
CI3225K181	180	20	0.796	7	17.00	60
CI3225K221	220	20	0.796	7	21.00	50



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“J” : $\pm 5\%$; “K” : $\pm 10\%$; “M” : $\pm 20\%$

CI4532xx

PART NO.	INDUCTANCE (μ H)	QUALITY FACTOR (MIN)	TESTING FREQ. (MHz)	S.R.F. (MHz) MIN	DC RESISTANCE (Ω) MAX	RATED DC CURRENT (mA) MAX
CI4532MR10	0.10	35	25.2	300	0.18	800
CI4532MR12	0.12	35	25.2	280	0.20	770
CI4532MR15	0.15	35	25.2	250	0.22	730
CI4532MR18	0.18	35	25.2	220	0.24	700
CI4532MR22	0.22	40	25.2	200	0.25	665
CI4532MR27	0.27	40	25.2	180	0.26	635
CI4532MR33	0.33	40	25.2	165	0.28	605
CI4532MR39	0.39	40	25.2	150	0.30	575
CI4532MR47	0.47	40	25.2	145	0.32	545
CI4532MR56	0.56	40	25.2	140	0.36	520
CI4532MR68	0.68	40	25.2	135	0.40	500
CI4532MR82	0.82	40	25.2	130	0.45	475
CI4532K1R0	1.0	50	7.96	100	0.50	450
CI4532K1R2	1.2	50	7.96	80	0.55	430
CI4532K1R5	1.5	50	7.96	70	0.60	410
CI4532K1R8	1.8	50	7.96	60	0.65	390
CI4532K2R2	2.2	50	7.96	55	0.70	380
CI4532K2R7	2.7	50	7.96	50	0.75	370
CI4532K3R3	3.3	50	7.96	45	0.80	355
CI4532K3R9	3.9	50	7.96	40	0.90	330
CI4532K4R7	4.7	50	7.96	35	1.00	315
CI4532K5R6	5.6	50	7.96	33	1.10	300
CI4532K6R8	6.8	50	7.96	27	1.20	285
CI4532K8R2	8.2	50	7.96	23	1.40	270
CI4532K100	10	50	2.52	20	1.50	250
CI4532K120	12	50	2.52	18	2.0	225
CI4532K150	15	50	2.52	17	2.5	200
CI4532K180	18	50	2.52	15	2.8	190
CI4532K220	22	50	2.52	13	3.2	180
CI4532K270	27	50	2.52	12	3.6	170
CI4532K330	33	50	2.52	11	4.0	160
CI4532K390	39	50	2.52	10	4.5	150
CI4532K470	47	50	2.52	10	5.0	140
CI4532K560	56	50	2.52	9.0	5.5	135
CI4532K680	68	50	2.52	9.0	6.0	130
CI4532K820	82	50	2.52	8.0	7.0	120
CI4532K101	100	40	0.796	8.0	8.0	110
CI4532K121	120	40	0.796	6.0	8.0	110
CI4532K151	150	40	0.796	5.0	9.0	105
CI4532K181	180	40	0.796	5.0	9.5	102



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CI4532K221	220	40	0.796	4.0	10.00	100
CI4532K271	270	40	0.796	4.0	12.00	92
CI4532K331	330	40	0.796	3.5	14.00	85
CI4532K391	390	40	0.796	3.0	18.00	80
CI4532K471	470	40	0.796	3.0	26.00	65
CI4532K561	560	30	0.796	3.0	30.00	50
CI4532K681	680	30	0.796	3.0	30.00	50
CI4532K821	820	30	0.796	2.5	35.00	30
CI4532K102	1000	20	0.252	2.5	40.00	30

“J” : $\pm 5\%$; “K” : $\pm 10\%$; “M” : $\pm 20\%$