

# WIRE WOUND CERAMIC CHIP INDUCTORS / WHI TYPE

## FEATURES

- ◆ Their ceramic construction delivers the highest possible SRF's and Q value.
- ◆ These ultra-compact inductors provided exceptional Q values, even at high.
- ◆ The non-magnetic coil form also assures the utmost in thermal stability, predictability and batch consistency.

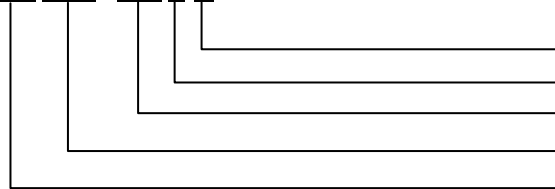


## APPLICATIONS

- ◆ Cellular phone, GPS receiver, Base Station, Repeater , Wireless LAN/Mouse/Keyboard/earphone, remote control, security system and other RF modules.

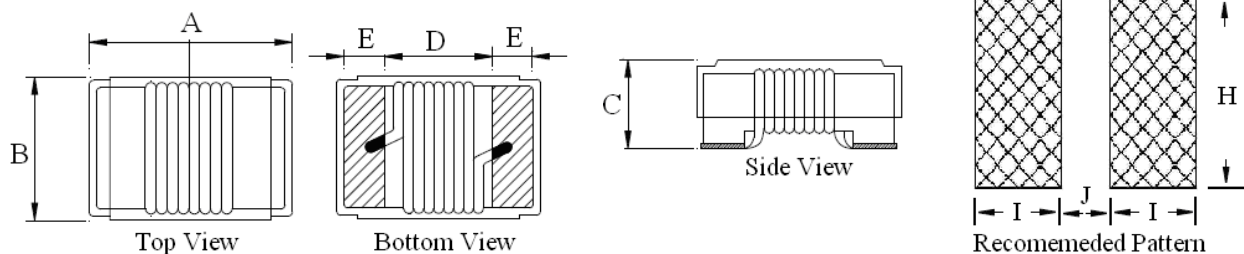
## ORDERING CODE

WHI 1008 - 1R0 □-N



Note: lead-free  
Tolerance (G:±2%, J:±5%, K:±10%)  
Inductance  
Dimension  
Product Symbol

## SHAPES



## DIMENSIONS (UNIT: mm)

Part No.	A (Max)	B (Max)	C (Max)	D (Ref)	E (Ref)	H (Ref)	I (Ref)	J (Ref)
WHI 0402	1.19	0.64	0.66	0.56	0.23	0.66	0.36	0.46
WHI 0603	1.80	1.12	1.02	0.86	0.33	1.02	0.64	0.64
WHI 0805	2.29	1.73	1.52	1.02	0.51	1.78	1.02	0.76
WHI 1008	2.92	2.79	2.03	1.52	0.51	2.54	1.27	1.27



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## WIRE WOUND CERAMIC CHIP INDUCTORS / WHI TYPE

### ELECTRICAL CHARACTERISTICS FOR WHI 0402

Part No.	Inductance (nH) @250MHz	Q Min	SRF (GHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WHI 0402-1N0 □-N	1.0	16	12.70	0.045	1360
WHI 0402-1N2 □-N	1.2	16	12.90	0.090	740
WHI 0402-1N8 □-N	1.8	16	12.00	0.070	1040
WHI 0402-1N9 □-N	1.9	16	11.30	0.070	1040
WHI 0402-2N0 □-N	2.0	16	11.10	0.070	1040
WHI 0402-2N2 □-N	2.2	19	10.80	0.070	960
WHI 0402-2N4 □-N	2.4	15	10.50	0.068	790
WHI 0402-2N7 □-N	2.7	16	10.40	0.120	640
WHI 0402-3N3 □-N	3.3	19	7.00	0.066	840
WHI 0402-3N6 □-N	3.6	19	6.80	0.066	840
WHI 0402-3N9 □-N	3.9	19	6.00	0.066	840
WHI 0402-4N3 □-N	4.3	18	6.00	0.091	700
WHI 0402-4N7 □-N	4.7	15	4.70	0.130	640
WHI 0402-5N1 □-N	5.1	20	4.80	0.083	800
WHI 0402-5N6 □-N	5.6	20	4.80	0.083	760
WHI 0402-6N2 □-N	6.2	20	4.80	0.083	760
WHI 0402-6N8 □-N	6.8	20	4.80	0.083	680
WHI 0402-7N3 □-N	7.3	20	4.80	0.260	680
WHI 0402-7N5 □-N	7.5	22	4.80	0.100	680
WHI 0402-8N2 □-N	8.2	22	4.40	0.100	680
WHI 0402-8N7 □-N	8.7	18	4.10	0.200	480
WHI 0402-9N1 □-N	9.1	22	4.16	0.100	680
WHI 0402-9N5 □-N	9.5	18	4.00	0.200	480
WHI 0402-10N □-N	10	21	3.90	0.200	480
WHI 0402-11N □-N	11	24	3.68	0.120	640
WHI 0402-12N □-N	12	24	3.60	0.120	640
WHI 0402-13N □-N	13	24	3.45	0.210	440
WHI 0402-15N □-N	15	24	3.28	0.170	560
WHI 0402-16N □-N	16	24	3.10	0.220	560
WHI 0402-18N □-N	18	25	3.10	0.230	420
WHI 0402-19N □-N	19	24	3.04	0.200	480
WHI 0402-20N □-N	20	25	3.00	0.250	420
WHI 0402-22N □-N	22	25	2.80	0.300	400
WHI 0402-23N □-N	23	22	2.72	0.300	400
WHI 0402-24N □-N	24	25	2.70	0.300	400
WHI 0402-30N □-N	30	25	2.35	0.300	400
WHI 0402-33N □-N	33	24	2.35	0.440	400
WHI 0402-36N □-N	36	24	2.32	0.440	320
WHI 0402-39N □-N	39	25	2.10	0.550	200
WHI 0402-40N □-N	40	24	2.24	0.440	320
WHI 0402-43N □-N	43	25	2.03	0.810	100
WHI 0402-47N □-N	47	20	2.10	0.830	150
WHI 0402-51N □-N	51	25	1.75	0.820	100
WHI 0402-56N □-N	56	22	1.76	0.970	100
WHI 0402-68N □-N	68	22	1.62	1.120	100
WHI 0402-82N □-N	82	20	1.26	1.550	50
WHI 0402-R10 □-N	100	20	1.16	2.000	30
WHI 0402-R12 □-N	120	20	1.90	2.200	50

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## WIRE WOUND CERAMIC CHIP INDUCTORS / WHI TYPE

### ELECTRICAL CHARACTERISTICS FOR WHI 0603

Part No.	Inductance (nH)	Q Min	SRF (MHz) Min	DC Resistance ( $\Omega$ ) Max	Rated Current (mA) Max
WHI 0603-1N6 □-N	1.6@250MHz	24	12500	0.030	700
WHI 0603-1N8 □-N	1.8@250MHz	16	12500	0.045	700
WHI 0603-2N2 □-N	2.2@100MHz	20	5800	0.050	700
WHI 0603-3N3 □-N	3.3@250MHz	20	5500	0.070	700
WHI 0603-3N6 □-N	3.6@250MHz	22	5900	0.063	700
WHI 0603-3N9 □-N	3.9@250MHz	22	6900	0.080	700
WHI 0603-4N3 □-N	4.3@250MHz	22	5900	0.063	700
WHI 0603-4N7 □-N	4.7@250MHz	20	5800	0.116	700
WHI 0603-5N1 □-N	5.1@250MHz	20	5700	0.140	700
WHI 0603-5N6 □-N	5.6@250MHz	20	5800	0.150	700
WHI 0603-6N1 □-N	6.1@250MHz	25	5800	0.110	700
WHI 0603-6N8 □-N	6.8@250MHz	27	5800	0.110	700
WHI 0603-7N5 □-N	7.5@250MHz	28	4800	0.106	700
WHI 0603-8N2 □-N	8.2@250MHz	25	5800	0.120	700
WHI 0603-8N4 □-N	8.4@250MHz	28	4600	0.109	700
WHI 0603-8N5 □-N	8.5@250MHz	28	4600	0.109	700
WHI 0603-8N7 □-N	8.7@250MHz	28	4600	0.109	700
WHI 0603-9N5 □-N	9.5@250MHz	28	5400	0.135	700
WHI 0603-10N □-N	10@250MHz	31	4800	0.130	700
WHI 0603-11N □-N	11@250MHz	33	4000	0.086	700
WHI 0603-12N □-N	12@250MHz	35	4000	0.130	700
WHI 0603-14N □-N	14@250MHz	35	4000	0.170	700
WHI 0603-15N □-N	15@250MHz	35	4000	0.170	700
WHI 0603-16N □-N	16@250MHz	34	3300	0.104	700
WHI 0603-18N □-N	18@250MHz	35	3100	0.170	700
WHI 0603-22N □-N	22@250MHz	38	3000	0.190	700
WHI 0603-24N □-N	24@250MHz	37	2650	0.135	700
WHI 0603-27N □-N	27@250MHz	40	2800	0.220	600
WHI 0603-30N □-N	30@250MHz	37	2250	0.144	600
WHI 0603-33N □-N	33@250MHz	40	2300	0.220	600
WHI 0603-36N □-N	36@250MHz	38	2080	0.250	600
WHI 0603-39N □-N	39@250MHz	40	2200	0.250	600
WHI 0603-43N □-N	43@250MHz	39	2000	0.280	600
WHI 0603-47N □-N	47@200MHz	38	2000	0.280	600
WHI 0603-56N □-N	56@200MHz	38	1900	0.310	600
WHI 0603-68N □-N	68@200MHz	37	1700	0.340	600
WHI 0603-72N □-N	72@150MHz	34	1700	0.490	400
WHI 0603-82N □-N	82@150MHz	34	1700	0.540	400
WHI 0603-R10 □-N	100@150MHz	34	1400	0.580	400
WHI 0603-R11 □-N	110@150MHz	32	1350	0.610	300
WHI 0603-R12 □-N	120@150MHz	32	1300	0.650	300
WHI 0603-R15 □-N	150@150MHz	28	990	0.920	280
WHI 0603-R18 □-N	180@100MHz	25	990	1.250	240
WHI 0603-R22 □-N	220@100MHz	25	900	1.900	200
WHI 0603-R27 □-N	270@100MHz	24	900	2.300	170
WHI 0603-R33 □-N	330@100MHz	24	900	3.900	185
WHI 0603-R39 □-N	390@100MHz	25	900	4.350	100
WHI 0603-R47 □-N	470@100MHz	25	820	4.350	100

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## WIRE WOUND CERAMIC CHIP INDUCTORS / WHI TYPE

### ELECTRICAL CHARACTERISTICS FOR WHI 0805

Part No.	Inductance (nH)	Q Min	SRF (MHz) Min	DC Resistance ( $\Omega$ ) Max	Rated Current (mA) Max
WHI 0805-3N3 □-N	3.3@250MHz	50@1500MHz	7900	0.08	600
WHI 0805-5N6 □-N	5.6@250MHz	65@1000MHz	5500	0.08	600
WHI 0805-6N8 □-N	6.8@250MHz	50@1000MHz	5500	0.11	600
WHI 0805-7N5 □-N	7.5@250MHz	50@1000MHz	4500	0.14	600
WHI 0805-8N2 □-N	8.2@250MHz	50@1000MHz	4700	0.12	600
WHI 0805-10N □-N	10@250MHz	60@500MHz	4200	0.10	600
WHI 0805-12N □-N	12@250MHz	50@500MHz	4000	0.15	600
WHI 0805-15N □-N	15@250MHz	50@500MHz	3400	0.17	600
WHI 0805-18N □-N	18@250MHz	50@500MHz	3300	0.20	600
WHI 0805-22N □-N	22@250MHz	55@500MHz	2600	0.22	500
WHI 0805-24N □-N	24@250MHz	50@500MHz	2000	0.22	500
WHI 0805-27N □-N	27@250MHz	55@500MHz	2500	0.25	500
WHI 0805-33N □-N	33@250MHz	60@500MHz	2050	0.27	500
WHI 0805-36N □-N	36@250MHz	55@500MHz	1700	0.27	500
WHI 0805-39N □-N	39@250MHz	60@500MHz	2000	0.29	500
WHI 0805-43N □-N	43@200MHz	60@500MHz	1650	0.34	500
WHI 0805-47N □-N	47@200MHz	60@500MHz	1650	0.31	500
WHI 0805-56N □-N	56@200MHz	60@500MHz	1550	0.34	500
WHI 0805-68N □-N	68@200MHz	60@500MHz	1450	0.38	500
WHI 0805-82N □-N	82@150MHz	65@500MHz	1300	0.42	400
WHI 0805-91N □-N	91@150MHz	65@500MHz	1200	0.48	400
WHI 0805-R10 □-N	100@150MHz	65@500MHz	1200	0.46	400
WHI 0805-R12 □-N	120@150MHz	50@250MHz	1100	0.51	400
WHI 0805-R15 □-N	150@100MHz	50@250MHz	920	0.56	400
WHI 0805-R18 □-N	180@100MHz	50@250MHz	870	0.64	400
WHI 0805-R22 □-N	220@100MHz	50@250MHz	850	0.70	400
WHI 0805-R24 □-N	240@100MHz	44@250MHz	690	1.00	350
WHI 0805-R27 □-N	270@100MHz	48@250MHz	650	1.00	350
WHI 0805-R30 □-N	300@150MHz	25@250MHz	450	1.40	300
WHI 0805-R33 □-N	330@100MHz	48@250MHz	600	1.40	310
WHI 0805-R39 □-N	390@100MHz	48@250MHz	560	1.50	290
WHI 0805-R47 □-N	470@50MHz	33@100MHz	375	1.76	250
WHI 0805-R56 □-N	560@25MHz	23@50MHz	340	1.90	230
WHI 0805-R68 □-N	680@25MHz	23@50MHz	188	2.20	190
WHI 0805-R75 □-N	750@25MHz	23@50MHz	215	2.35	180
WHI 0805-R82 □-N	820@25MHz	23@50MHz	215	2.35	180
WHI 0805-1R0 □-N	1000@25MHz	23@50MHz	260	2.70	170

## WIRE WOUND CERAMIC CHIP INDUCTORS / WHI TYPE

### ELECTRICAL CHARACTERISTICS FOR WHI 1008

Part No.	Inductance (nH)	Q Min	SRF (MHz) Min	DC Resistance ( $\Omega$ ) Max	Rated Current (mA) Max
WHI 1008-10N □-N	10@50MHz	50@500MHz	4100	0.08	1000
WHI 1008-12N □-N	12@50MHz	50@500MHz	3300	0.09	1000
WHI 1008-15N □-N	15@50MHz	50@500MHz	2500	0.10	1000
WHI 1008-18N □-N	18@50MHz	50@350MHz	2500	0.11	1000
WHI 1008-22N □-N	22@50MHz	55@350MHz	2400	0.12	1000
WHI 1008-24N □-N	24@50MHz	50@350MHz	1500	0.13	1000
WHI 1008-27N □-N	27@50MHz	55@350MHz	1600	0.13	1000
WHI 1008-33N □-N	33@50MHz	60@350MHz	1600	0.14	1000
WHI 1008-39N □-N	39@50MHz	60@350MHz	1500	0.15	1000
WHI 1008-47N □-N	47@50MHz	65@350MHz	1500	0.16	1000
WHI 1008-56N □-N	56@50MHz	65@350MHz	1300	0.18	1000
WHI 1008-68N □-N	68@50MHz	65@350MHz	1300	0.20	1000
WHI 1008-82N □-N	82@50MHz	60@350MHz	1000	0.22	1000
WHI 1008-R10 □-N	100@25MHz	60@350MHz	1000	0.56	650
WHI 1008-R12 □-N	120@25MHz	60@350MHz	950	0.63	650
WHI 1008-R15 □-N	150@25MHz	45@100MHz	850	0.70	580
WHI 1008-R18 □-N	180@25MHz	45@100MHz	750	0.77	620
WHI 1008-R20 □-N	200@25MHz	50@100MHz	750	0.81	500
WHI 1008-R22 □-N	220@25MHz	45@100MHz	700	0.84	500
WHI 1008-R24 □-N	240@25MHz	50@100MHz	600	0.84	500
WHI 1008-R27 □-N	270@25MHz	45@100MHz	600	0.91	500
WHI 1008-R30 □-N	300@150MHz	40@100MHz	500	1.05	660
WHI 1008-R33 □-N	330@25MHz	45@100MHz	570	1.05	450
WHI 1008-R36 □-N	360@150MHz	40@100MHz	500	1.05	660
WHI 1008-R39 □-N	390@25MHz	45@100MHz	500	1.12	470
WHI 1008-R43 □-N	430@150MHz	40@100MHz	425	1.19	600
WHI 1008-R47 □-N	470@25MHz	45@100MHz	450	1.19	470
WHI 1008-R56 □-N	560@25MHz	45@100MHz	415	1.33	400
WHI 1008-R62 □-N	620@25MHz	45@100MHz	375	1.40	300
WHI 1008-R68 □-N	680@25MHz	45@100MHz	375	1.47	400
WHI 1008-R75 □-N	750@25MHz	45@100MHz	360	1.54	360
WHI 1008-R82 □-N	820@25MHz	45@100MHz	350	1.61	400
WHI 1008-R91 □-N	910@25MHz	35@50MHz	320	1.68	380
WHI 1008-1R0 □-N	1000@25MHz	35@50MHz	290	1.75	370
WHI 1008-1R2 □-N	1200@7.9MHz	35@50MHz	250	2.00	310
WHI 1008-1R5 □-N	1500@7.9MHz	28@50MHz	200	2.30	330
WHI 1008-1R8 □-N	1800@7.9MHz	28@50MHz	160	2.60	300
WHI 1008-2R0 □-N	2000@7.9MHz	25@50MHz	160	2.80	280
WHI 1008-2R2 □-N	2200@7.9MHz	28@50MHz	160	2.80	280
WHI 1008-2R7 □-N	2700@7.9MHz	22@25MHz	140	3.20	290
WHI 1008-3R3 □-N	3300@7.9MHz	22@25MHz	110	3.40	290
WHI 1008-3R9 □-N	3900@7.9MHz	20@25MHz	100	3.60	260
WHI 1008-4R7 □-N	4700@7.9MHz	20@25MHz	90	4.00	260

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## WIRE WOUND CHIP MOLDED INDUCTORS / WCI TYPE

### FEATURES

- ◆ Terminals are highly resistant to pull forces.
- ◆ Very strong solder ability by flow soldering, soldering iron or wave soldering.
- ◆ Highly reliable in environments of sudden temperature change and humidity.
- ◆ Highly accurate dimensions can be mounted automatically.
- ◆ Highly resistant to mechanical shocks and pressure.

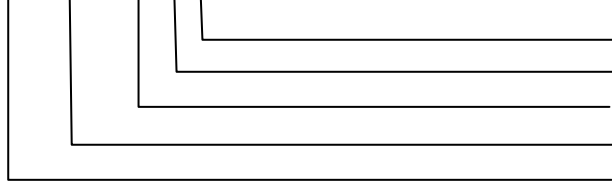


### APPLICATIONS

- ◆ Video cameras, portable VCRs
- ◆ television tuners, mobile telephones
- ◆ Car radios, car stereos, thin tape radios
- ◆ Microtelevisions, Liquid crystal televisions
- ◆ other electronic devices

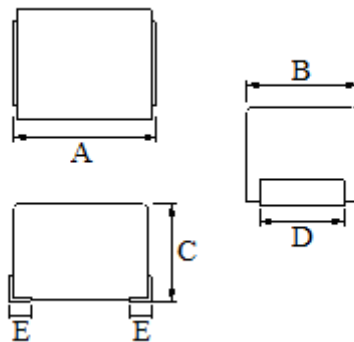
### ORDERING CODE

WCI 3225 - 100 □ - N



Note: lead-free  
 Tolerance (J:±5%, K:±10%, M:±20%)  
 Inductance  
 Dimension (AxB)  
 Product Symbol

### SHAPES



### DIMENSIONS UNIT: mm

Part No.	A	B	C	D (REF)	E (REF)
WCI 2520	2.5 ± 0.3	2.0 ± 0.2	1.8 ± 0.2	1.4	0.3
WCI 3225	3.2 ± 0.3	2.5 ± 0.2	2.2 ± 0.2	1.9	0.3
WCI 4532	4.5 ± 0.3	3.2 ± 0.2	3.2 ± 0.2	1.2	1.0

## WIRE WOUND CHIP MOLDED INDUCTORS / WCI TYPE

### ELECTRICAL CHARACTERISTICS FOR WCI 2520

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCI 2520-010 □-N	0.010	100	15	2150	0.26	530
WCI 2520-012 □-N	0.012	100	15	2050	0.27	500
WCI 2520-015 □-N	0.015	100	15	2000	0.29	480
WCI 2520-018 □-N	0.018	100	15	1850	0.31	450
WCI 2520-022 □-N	0.022	100	15	1650	0.37	420
WCI 2520-027 □-N	0.027	100	15	1550	0.40	410
WCI 2520-033 □-N	0.033	100	20	1450	0.42	400
WCI 2520-039 □-N	0.039	100	20	1350	0.45	380
WCI 2520-047 □-N	0.047	100	20	1200	0.50	360
WCI 2520-056 □-N	0.056	100	20	1100	0.60	340
WCI 2520-068 □-N	0.068	100	20	1050	0.65	320
WCI 2520-082 □-N	0.082	100	20	900	0.75	300
WCI 2520-R10 □-N	0.100	100	20	800	0.80	280
WCI 2520-R12 □-N	0.120	25.2	30	700	0.30	550
WCI 2520-R15 □-N	0.150	25.2	30	550	0.35	500
WCI 2520-R18 □-N	0.180	25.2	30	500	0.40	460
WCI 2520-R22 □-N	0.220	25.2	30	450	0.50	430
WCI 2520-R27 □-N	0.270	25.2	30	425	0.55	420
WCI 2520-R33 □-N	0.330	25.2	30	400	0.60	400
WCI 2520-R39 □-N	0.390	25.2	30	375	0.65	375
WCI 2520-R47 □-N	0.470	25.2	30	350	0.68	350
WCI 2520-R56 □-N	0.560	25.2	30	325	0.75	325
WCI 2520-R68 □-N	0.680	25.2	30	300	0.85	300
WCI 2520-R82 □-N	0.820	25.2	30	260	1.00	260
WCI 2520-1R0 □-N	1.0	7.96	30	245	1.10	245
WCI 2520-1R2 □-N	1.2	7.96	30	230	1.20	230
WCI 2520-1R5 □-N	1.5	7.96	30	182	1.30	220
WCI 2520-1R8 □-N	1.8	7.96	30	135	1.45	210
WCI 2520-2R2 □-N	2.2	7.96	30	105	1.55	200
WCI 2520-2R7 □-N	2.7	7.96	30	70	1.70	195
WCI 2520-3R3 □-N	3.3	7.96	30	55	1.90	185
WCI 2520-3R9 □-N	3.9	7.96	30	48	2.10	180
WCI 2520-4R7 □-N	4.7	7.96	30	43	2.30	175
WCI 2520-5R6 □-N	5.6	7.96	25	42	2.50	170
WCI 2520-6R8 □-N	6.8	7.96	25	39	2.70	165
WCI 2520-8R2 □-N	8.2	7.96	25	36	3.05	160
WCI 2520-100 □-N	10	2.52	25	30	3.50	155
WCI 2520-120 □-N	12	2.52	25	28	3.80	150
WCI 2520-150 □-N	15	2.52	25	24	4.40	140
WCI 2520-180 □-N	18	2.52	25	22	4.80	130
WCI 2520-220 □-N	22	2.52	25	20	5.50	125
WCI 2520-270 □-N	27	2.52	25	18	6.30	115
WCI 2520-330 □-N	33	2.52	25	16	7.10	110
WCI 2520-390 □-N	39	2.52	20	14	9.50	90
WCI 2520-470 □-N	47	2.52	20	12	11.10	80
WCI 2520-560 □-N	56	2.52	20	12	12.10	75
WCI 2520-680 □-N	68	2.52	20	10	16.60	70
WCI 2520-820 □-N	82	2.52	20	10	19.00	66
WCI 2520-101 □-N	100	0.796	15	8	21.00	60

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## WIRE WOUND CHIP MOLDED INDUCTORS / WCI TYPE

### ELECTRICAL CHARACTERISTICS FOR WCI 3225

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCI 3225-010 □-N	0.010	100	15	2500	0.13	450
WCI 3225-012 □-N	0.012	100	17	2300	0.14	450
WCI 3225-015 □-N	0.015	100	19	2100	0.16	450
WCI 3225-018 □-N	0.018	100	21	1900	0.18	450
WCI 3225-022 □-N	0.022	100	23	1700	0.20	450
WCI 3225-027 □-N	0.027	100	23	1500	0.22	450
WCI 3225-033 □-N	0.033	100	25	1400	0.24	450
WCI 3225-039 □-N	0.039	100	25	1300	0.27	450
WCI 3225-047 □-N	0.047	100	26	1200	0.30	450
WCI 3225-056 □-N	0.056	100	26	1100	0.33	450
WCI 3225-068 □-N	0.068	100	27	1000	0.36	450
WCI 3225-082 □-N	0.082	100	27	900	0.40	450
WCI 3225-R10 □-N	0.100	100	28	700	0.44	450
WCI 3225-R12 □-N	0.120	25.2	30	500	0.22	450
WCI 3225-R15 □-N	0.150	25.2	30	450	0.25	450
WCI 3225-R18 □-N	0.180	25.2	30	400	0.28	450
WCI 3225-R22 □-N	0.220	25.2	30	350	0.32	450
WCI 3225-R27 □-N	0.270	25.2	30	320	0.36	450
WCI 3225-R33 □-N	0.330	25.2	30	300	0.40	450
WCI 3225-R39 □-N	0.390	25.2	30	250	0.45	450
WCI 3225-R47 □-N	0.470	25.2	30	220	0.50	450
WCI 3225-R56 □-N	0.560	25.2	30	180	0.55	450
WCI 3225-R68 □-N	0.680	25.2	30	160	0.60	450
WCI 3225-R82 □-N	0.820	25.2	30	140	0.65	450
WCI 3225-1R0 □-N	1.00	7.96	30	120	0.70	400
WCI 3225-1R2 □-N	1.20	7.96	30	100	0.75	390
WCI 3225-1R5 □-N	1.50	7.96	30	85	0.85	370
WCI 3225-1R8 □-N	1.80	7.96	30	80	0.90	350
WCI 3225-2R2 □-N	2.20	7.96	30	75	1.00	320
WCI 3225-2R7 □-N	2.70	7.96	30	70	1.10	290
WCI 3225-3R3 □-N	3.30	7.96	30	60	1.20	260
WCI 3225-3R9 □-N	3.90	7.96	30	55	1.30	250
WCI 3225-4R7 □-N	4.70	7.96	30	50	1.50	220
WCI 3225-5R6 □-N	5.60	7.96	30	45	1.60	200
WCI 3225-6R8 □-N	6.80	7.96	30	40	1.80	180
WCI 3225-8R2 □-N	8.20	7.96	30	35	2.00	170
WCI 3225-100 □-N	10	2.52	30	30	2.10	150
WCI 3225-120 □-N	12	2.52	30	25	2.50	140
WCI 3225-150 □-N	15	2.52	30	20	2.80	130
WCI 3225-180 □-N	18	2.52	30	20	3.30	120
WCI 3225-220 □-N	22	2.52	30	20	3.70	110
WCI 3225-270 □-N	27	2.52	30	18	5.00	80
WCI 3225-330 □-N	33	2.52	30	17	5.60	70
WCI 3225-390 □-N	39	2.52	30	16	6.40	65
WCI 3225-470 □-N	47	2.52	30	15	7.00	60
WCI 3225-560 □-N	56	2.52	30	13	8.00	55
WCI 3225-680 □-N	68	2.52	30	12	9.00	50
WCI 3225-820 □-N	82	2.52	30	11	10	45
WCI 3225-101 □-N	100	0.796	20	10	10	40
WCI 3225-121 □-N	120	0.796	20	9	11	70
WCI 3225-151 □-N	150	0.796	20	7	15	65
WCI 3225-181 □-N	180	0.796	20	7	17	60
WCI 3225-221 □-N	220	0.796	20	6	21	50
WCI 3225-271 □-N	270	0.796	20	5	28	45
WCI 3225-331 □-N	330	0.796	20	5	34	40

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## WIRE WOUND CHIP MOLDED INDUCTORS / WCI TYPE

### ELECTRICAL CHARACTERISTICS FOR WCI 4532

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCI 4532-R10 □-N	0.10	25.2	35	300	0.18	800
WCI 4532-R12 □-N	0.12	25.2	35	280	0.20	770
WCI 4532-R15 □-N	0.15	25.2	35	250	0.22	730
WCI 4532-R18 □-N	0.18	25.2	35	220	0.24	700
WCI 4532-R22 □-N	0.22	25.2	40	200	0.25	665
WCI 4532-R27 □-N	0.27	25.2	40	180	0.26	635
WCI 4532-R33 □-N	0.33	25.2	40	165	0.28	605
WCI 4532-R39 □-N	0.39	25.2	40	150	0.30	575
WCI 4532-R47 □-N	0.47	25.2	40	145	0.32	545
WCI 4532-R56 □-N	0.56	25.2	40	140	0.36	520
WCI 4532-R68 □-N	0.68	25.2	40	135	0.40	500
WCI 4532-R82 □-N	0.82	25.2	40	130	0.45	475
WCI 4532-1R0 □-N	1.00	7.96	50	100	0.50	450
WCI 4532-1R2 □-N	1.20	7.96	50	80	0.55	430
WCI 4532-1R5 □-N	1.50	7.96	50	70	0.60	410
WCI 4532-1R8 □-N	1.80	7.96	50	60	0.65	390
WCI 4532-2R2 □-N	2.20	7.96	50	55	0.70	380
WCI 4532-2R7 □-N	2.70	7.96	50	50	0.75	370
WCI 4532-3R3 □-N	3.30	7.96	50	45	0.80	355
WCI 4532-3R9 □-N	3.90	7.96	50	40	0.90	330
WCI 4532-4R7 □-N	4.70	7.96	50	35	1.00	315
WCI 4532-5R6 □-N	5.60	7.96	50	33	1.10	300
WCI 4532-6R8 □-N	6.80	7.96	50	27	1.20	285
WCI 4532-8R2 □-N	8.20	7.96	50	25	1.40	270
WCI 4532-100 □-N	10	2.52	50	20	1.60	250
WCI 4532-120 □-N	12	2.52	50	18	2.00	225
WCI 4532-150 □-N	15	2.52	50	17	2.50	200
WCI 4532-180 □-N	18	2.52	50	15	2.80	190
WCI 4532-220 □-N	22	2.52	50	13	3.20	180
WCI 4532-270 □-N	27	2.52	50	12	3.60	170
WCI 4532-330 □-N	33	2.52	50	11	4.00	160
WCI 4532-390 □-N	39	2.52	50	10	4.50	150
WCI 4532-470 □-N	47	2.52	50	10	5.00	140
WCI 4532-560 □-N	56	2.52	50	9	5.50	135
WCI 4532-680 □-N	68	2.52	50	9	6.00	130
WCI 4532-820 □-N	82	2.52	50	8	7.00	120
WCI 4532-101 □-N	100	0.796	40	8	8.00	110
WCI 4532-121 □-N	120	0.796	40	6	8.00	110
WCI 4532-151 □-N	150	0.796	40	5	9.00	105
WCI 4532-181 □-N	180	0.796	40	5	9.50	102
WCI 4532-221 □-N	220	0.796	40	4	10	100
WCI 4532-271 □-N	270	0.796	40	4	12	92
WCI 4532-331 □-N	330	0.796	40	3.5	14	85
WCI 4532-391 □-N	390	0.796	40	3	18	80
WCI 4532-471 □-N	470	0.796	30	3	26	62
WCI 4532-561 □-N	560	0.796	30	3	30	50
WCI 4532-681 □-N	680	0.796	30	3	30	50
WCI 4532-821 □-N	820	0.796	30	2.5	35	30
WCI 4532-102 □-N	1000	2.252	20	2.5	40	30

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# WIRE WOUND FERRITE CHIP INDUCTORS / WCIL TYPE

## FEATURES

- ◆ Very strong solderability by reflow soldering and soldering iron or wave soldering.
- ◆ Highly accurate dimensions can be mounted automatically.
- ◆ Terminals are highly resistant to pull forces.
- ◆ High reliable in environments of sudden temperature change and humidity.
- ◆ Highly resistant to mechanical shocks and pressure.
- ◆ Superior Q characteristics and broadest selections amount peers.

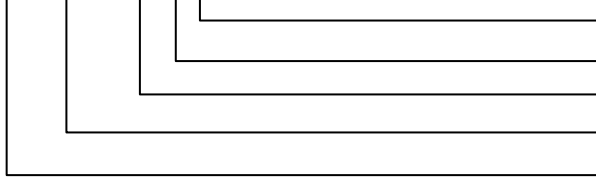


## APPLICATIONS

- ◆ Micro TVs, liquid crystal TVs, video cameras, portable VCRs, car radios, car stereos, thin tape radios, television tuners, mobile telephones, radio and other electronic devices.

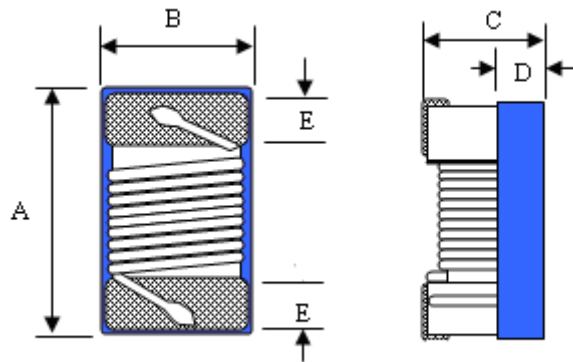
## ORDERING CODE

WCIL 2012 - R12 □ - N



Note: lead-free  
 Tolerance (J:± 5%, K:±10%)  
 Inductance  
 Dimension  
 Product Symbol

## SHAPES



## DIMENSIONS UNIT: mm

Part No.	A (MAX)	B (MAX)	C (MAX)	D (REF)	E (REF)
WCIL 2012	2.40	1.65	1.30	0.65	0.44
WCIL 2520	2.90	2.54	2.03	1.30	0.50

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## WIRE WOUND FERRITE CHIP INDUCTORS / WCIL TYPE

### ELECTRICAL CHARACTERISTICS FOR WCIL 2012

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCIL 2012-R12 □-N	0.12	25	25	1000	0.18	1500
WCIL 2012-R15 □-N	0.15	25	25	1000	0.18	1400
WCIL 2012-R18 □-N	0.18	25	25	1000	0.20	1400
WCIL 2012-R22 □-N	0.22	25	25	830	0.25	1350
WCIL 2012-R27 □-N	0.27	25	25	800	0.38	1300
WCIL 2012-R33 □-N	0.33	25	25	750	0.35	1200
WCIL 2012-R39 □-N	0.39	25	25	700	0.35	1160
WCIL 2012-R47 □-N	0.47	25	25	690	0.40	1100
WCIL 2012-R56 □-N	0.56	25	25	640	0.40	1040
WCIL 2012-R62 □-N	0.62	25	25	640	0.45	980
WCIL 2012-R68 □-N	0.68	25	25	510	0.50	900
WCIL 2012-R82 □-N	0.82	25	25	500	0.50	900
WCIL 2012-R91 □-N	0.91	25	25	500	0.55	900
WCIL 2012-1R0 □-N	1.00	7.9	7.9	470	0.60	840
WCIL 2012-1R2 □-N	1.20	7.9	7.9	400	0.75	800
WCIL 2012-1R5 □-N	1.50	7.9	7.9	400	1.00	720
WCIL 2012-1R8 □-N	1.80	7.9	7.9	230	1.00	660
WCIL 2012-2R2 □-N	2.20	7.9	7.9	200	1.05	600
WCIL 2012-2R7 □-N	2.70	7.9	7.9	130	1.18	500
WCIL 2012-3R3 □-N	3.30	7.9	7.9	160	1.26	480
WCIL 2012-3R9 □-N	3.90	7.9	7.9	130	1.75	440
WCIL 2012-4R7 □-N	4.70	7.9	7.9	120	1.87	390
WCIL 2012-5R6 □-N	5.60	7.9	7.9	90	2.00	340
WCIL 2012-6R8 □-N	6.80	7.9	7.9	55	2.15	300
WCIL 2012-8R2 □-N	8.20	7.9	7.9	40	2.37	280
WCIL 2012-100 □-N	10.0	2.5	2.5	40	2.55	260
WCIL 2012-120 □-N	12.0	2.5	2.5	37	2.80	220
WCIL 2012-150 □-N	15.0	2.5	2.5	30	3.80	200
WCIL 2012-180 □-N	18.0	2.5	2.5	23	4.48	180
WCIL 2012-220 □-N	22.0	2.5	2.5	20	6.30	160
WCIL 2012-270 □-N	27.0	2.5	2.5	19	6.85	140
WCIL 2012-330 □-N	33.0	2.5	2.5	18	7.60	120

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## WIRE WOUND FERRITE CHIP INDUCTORS / WCIL TYPE

### ELECTRICAL CHARACTERISTICS FOR WCIL 2520

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCIL 2520-5N0 □-N	0.005	100	10	3000	0.25	2000
WCIL 2520-10N □-N	0.010	100	10	2500	0.25	1800
WCIL 2520-12N □-N	0.012	100	15	2400	0.26	1700
WCIL 2520-15N □-N	0.015	100	15	2300	0.28	1600
WCIL 2520-18N □-N	0.018	100	15	2200	0.30	1550
WCIL 2520-22N □-N	0.022	100	20	2100	0.35	1500
WCIL 2520-27N □-N	0.027	100	20	2000	0.40	1450
WCIL 2520-33N □-N	0.033	100	30	1600	0.42	1400
WCIL 2520-39N □-N	0.039	100	35	1500	0.45	1350
WCIL 2520-47N □-N	0.047	100	35	1400	0.50	1300
WCIL 2520-56N □-N	0.056	100	35	1300	0.60	1250
WCIL 2520-68N □-N	0.068	100	35	1200	0.65	1240
WCIL 2520-82N □-N	0.082	100	35	1100	0.75	1230
WCIL 2520-R10 □-N	0.10	100	35	800	0.80	1220
WCIL 2520-R12 □-N	0.12	25.2	30	700	0.30	900
WCIL 2520-R15 □-N	0.15	25.2	30	550	0.35	900
WCIL 2520-R18 □-N	0.18	25.2	30	500	0.40	850
WCIL 2520-R22 □-N	0.22	25.2	30	450	0.50	840
WCIL 2520-R27 □-N	0.27	25.2	30	425	0.55	830
WCIL 2520-R33 □-N	0.33	25.2	30	400	0.60	820
WCIL 2520-R39 □-N	0.39	25.2	30	375	0.65	810
WCIL 2520-R47 □-N	0.47	25.2	30	350	0.68	800
WCIL 2520-R56 □-N	0.56	25.2	30	325	0.75	800
WCIL 2520-R68 □-N	0.68	25.2	30	300	0.85	800
WCIL 2520-R82 □-N	0.82	25.2	30	260	1.0	800
WCIL 2520-1R0 □-N	1.0	7.96	25	245	1.1	800
WCIL 2520-1R2 □-N	1.2	7.96	25	230	1.2	790
WCIL 2520-1R5 □-N	1.5	7.96	25	182	1.3	750
WCIL 2520-1R8 □-N	1.8	7.96	25	135	1.45	750
WCIL 2520-2R2 □-N	2.2	7.96	25	105	1.55	750
WCIL 2520-2R7 □-N	2.7	7.96	25	70	1.7	740
WCIL 2520-3R3 □-N	3.3	7.96	25	55	1.9	730
WCIL 2520-3R9 □-N	3.9	7.96	25	48	2.1	700
WCIL 2520-4R7 □-N	4.7	7.96	25	43	2.3	650
WCIL 2520-5R6 □-N	5.6	7.96	20	42	2.5	640
WCIL 2520-6R8 □-N	6.8	7.96	20	39	2.7	630
WCIL 2520-8R2 □-N	8.2	7.96	20	36	3.05	600
WCIL 2520-100 □-N	10	2.52	15	33	3.5	600
WCIL 2520-120 □-N	12	2.52	15	30	3.8	550
WCIL 2520-150 □-N	15	2.52	15	26	4.4	430
WCIL 2520-180 □-N	18	2.52	15	24	4.8	400
WCIL 2520-220 □-N	22	2.52	15	22	5.5	400
WCIL 2520-270 □-N	27	2.52	15	21	6.3	360
WCIL 2520-330 □-N	33	2.52	15	20	7.1	350
WCIL 2520-390 □-N	39	2.52	10	18	9.5	330
WCIL 2520-470 □-N	47	2.52	10	17	11.1	300
WCIL 2520-560 □-N	56	2.52	10	16	12.1	270
WCIL 2520-680 □-N	68	2.52	10	15	16.6	250
WCIL 2520-820 □-N	82	2.52	10	13	19	200
WCIL 2520-101 □-N	100	0.796	8	12	21	120

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# WIRE WOUND HIGH CURRENT CHIP MOLDED INDUCTORS / WCI (C) TYPE

## FEATURES

- ◆ Low RDC, large current type
- ◆ Best for power supply line.
- ◆ Available in 2 sizes.

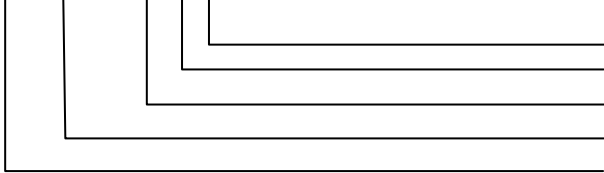


## APPLICATIONS

- ◆ Portable Telephones
- ◆ Personal computers
- ◆ HDDs.
- ◆ Other electronics appliances.

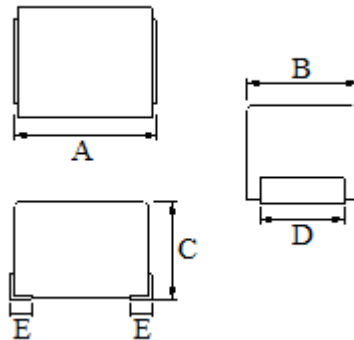
## ORDERING CODE

WCI 4532C - 100 □-N



Note: lead-free  
Tolerance (J:±5%, K:±10%)  
Inductance  
Dimension  
Product Symbol

## SHAPES



## DIMENSIONS UNIT: mm

Part No.	A	B	C	D (REF)	E (REF)
WCI 3225C	3.2 ± 0.3	2.5 ± 0.2	2.2 ± 0.2	1.9	0.3
WCI 4532C	4.5 ± 0.3	3.2 ± 0.2	3.2 ± 0.2	1.2	1.0
WCI 5650C	5.6 ± 0.3	5.0 ± 0.2	4.0 ± 0.4	4.0	0.7

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## WIRE WOUND HIGH CURRENT CHIP MOLDED INDUCTORS / WCI (C) TYPE

### ELECTRICAL CHARACTERISTICS FOR WCI 3225C

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance ( $\Omega$ ) Max	Rated Current (mA) Max
WCI 3225C-R15 □-N	0.15	25.2	5	400	0.25	1350
WCI 3225C-R22 □-N	0.22	25.2	5	250	0.30	1150
WCI 3225C-R47 □-N	0.47	25.2	5	150	0.30	1000
WCI 3225C-1R0 □-N	1.0	7.96	10	100	0.30	850
WCI 3225C-1R5 □-N	1.5	7.96	10	80	0.30	700
WCI 3225C-2R2 □-N	2.2	7.96	10	68	0.30	600
WCI 3225C-3R3 □-N	3.3	7.96	10	54	0.35	500
WCI 3225C-4R7 □-N	4.7	7.96	15	46	0.45	430
WCI 3225C-6R8 □-N	6.8	7.96	15	38	0.50	360
WCI 3225C-100 □-N	10	2.52	15	30	0.80	300
WCI 3225C-150 □-N	15	2.52	15	26	1.60	250
WCI 3225C-220 □-N	22	2.52	15	21	2.20	210
WCI 3225C-330 □-N	33	2.52	15	17	2.80	170
WCI 3225C-470 □-N	47	2.52	15	14	3.20	150
WCI 3225C-560 □-N	56	2.52	15	13	5.00	120
WCI 3225C-680 □-N	68	2.52	15	12	5.00	120
WCI 3225C-820 □-N	82	2.52	15	10	6.50	110
WCI 3225C-101 □-N	100	0.796	15	10	7.50	100
WCI 3225C-151 □-N	150	0.796	20	7	11	85
WCI 3225C-221 □-N	220	0.796	20	6	14	70
WCI 3225C-331 □-N	330	0.796	20	5	21	60

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## WIRE WOUND HIGH CURRENT CHIP MOLDED INDUCTORS / WCI (C) TYPE

### ELECTRICAL CHARACTERISTICS FOR WCI 4532C

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCI 4532C-1R0 □-N	1.0	7.96	10	180.0	0.11	1050
WCI 4532C-1R2 □-N	1.2	7.96	10	160.0	0.12	1000
WCI 4532C-1R5 □-N	1.5	7.96	10	130.0	0.15	950
WCI 4532C-1R8 □-N	1.8	7.96	10	100.0	0.16	900
WCI 4532C-2R2 □-N	2.2	7.96	10	80.0	0.18	850
WCI 4532C-2R7 □-N	2.7	7.96	10	60.0	0.20	800
WCI 4532C-3R3 □-N	3.3	7.96	10	45.0	0.22	750
WCI 4532C-3R9 □-N	3.9	7.96	10	40.0	0.24	700
WCI 4532C-4R7 □-N	4.7	7.96	10	35.0	0.27	650
WCI 4532C-5R6 □-N	5.6	7.96	10	30.0	0.30	650
WCI 4532C-6R8 □-N	6.8	7.96	10	28.0	0.35	600
WCI 4532C-8R2 □-N	8.2	7.96	10	25.0	0.40	600
WCI 4532C-100 □-N	10	2.52	10	22.0	0.50	550
WCI 4532C-120 □-N	12	2.52	10	21.0	0.60	500
WCI 4532C-150 □-N	15	2.52	10	20.0	0.70	450
WCI 4532C-180 □-N	18	2.52	10	19.0	0.80	400
WCI 4532C-220 □-N	22	2.52	10	18.0	0.90	370
WCI 4532C-270 □-N	27	2.52	10	16.0	1.20	330
WCI 4532C-330 □-N	33	2.52	10	14.0	1.40	300
WCI 4532C-390 □-N	39	2.52	10	12.0	1.60	280
WCI 4532C-470 □-N	47	2.52	10	11.5	1.90	260
WCI 4532C-560 □-N	56	2.52	10	11.0	2.20	240
WCI 4532C-680 □-N	68	2.52	10	10.0	2.60	220
WCI 4532C-820 □-N	82	2.52	10	9.0	3.50	200
WCI 4532C-101 □-N	100	0.796	20	8.0	4.00	180
WCI 4532C-121 □-N	120	0.796	20	7.5	4.50	160
WCI 4532C-151 □-N	150	0.796	20	7.0	6.50	140
WCI 4532C-181 □-N	180	0.796	20	6.5	7.50	120
WCI 4532C-221 □-N	220	0.796	20	5.5	9.00	120
WCI 4532C-271 □-N	270	0.796	20	5.0	11.0	100
WCI 4532C-331 □-N	330	0.796	20	4.0	13.0	90
WCI 4532C-391 □-N	390	0.796	20	3.0	14.0	85
WCI 4532C-471 □-N	470	0.796	20	3.0	16.0	75
WCI 4532C-561 □-N	560	0.796	20	3.0	21.0	70
WCI 4532C-681 □-N	680	0.796	20	2.5	24.2	65

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# WIRE WOUND HIGH CURRENT CHIP MOLDED INDUCTORS / WCI (C) TYPE

## ELECTRICAL CHARACTERISTICS FOR WCI 5650C

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCI 5650C-1R0 □-N	1.0	7.96	10	95	0.030	1800
WCI 5650C-1R2 □-N	1.2	7.96	10	70	0.035	1700
WCI 5650C-1R5 □-N	1.5	7.96	10	55	0.040	1600
WCI 5650C-1R8 □-N	1.8	7.96	10	47	0.050	1400
WCI 5650C-2R2 □-N	2.2	7.96	10	42	0.060	1300
WCI 5650C-2R7 □-N	2.7	7.96	10	37	0.070	1200
WCI 5650C-3R3 □-N	3.3	7.96	10	34	0.080	1120
WCI 5650C-3R9 □-N	3.9	7.96	10	32	0.090	1050
WCI 5650C-4R7 □-N	4.7	7.96	10	29	0.110	950
WCI 5650C-5R6 □-N	5.6	7.96	10	26	0.130	880
WCI 5650C-6R8 □-N	6.8	7.96	10	24	0.150	810
WCI 5650C-8R2 □-N	8.2	7.96	10	22	0.180	750
WCI 5650C-100 □-N	10	2.52	10	19	0.210	690
WCI 5650C-120 □-N	12	2.52	10	17	0.250	630
WCI 5650C-150 □-N	15	2.52	10	16	0.300	580
WCI 5650C-180 □-N	18	2.52	10	14	0.360	530
WCI 5650C-220 □-N	22	2.52	10	13	0.430	480
WCI 5650C-270 □-N	27	2.52	10	11.5	0.520	440
WCI 5650C-330 □-N	33	2.52	10	10.5	0.620	400
WCI 5650C-390 □-N	39	2.52	10	9.5	0.720	370
WCI 5650C-470 □-N	47	2.52	10	8.5	0.850	340
WCI 5650C-560 □-N	56	2.52	10	7.8	1.000	310
WCI 5650C-680 □-N	68	2.52	10	7.0	1.200	290
WCI 5650C-820 □-N	82	2.52	10	6.4	1.400	270
WCI 5650C-101 □-N	100	0.796	20	6.0	1.600	250
WCI 5650C-121 □-N	120	0.796	20	5.4	1.900	230
WCI 5650C-151 □-N	150	0.796	20	4.8	2.200	210
WCI 5650C-181 □-N	180	0.796	20	4.4	2.800	190
WCI 5650C-221 □-N	220	0.796	20	3.9	3.400	170
WCI 5650C-271 □-N	270	0.796	20	3.6	4.200	155
WCI 5650C-331 □-N	330	0.796	20	3.2	4.900	140
WCI 5650C-391 □-N	390	0.796	20	2.9	5.800	130
WCI 5650C-471 □-N	470	0.796	20	2.6	7.000	120
WCI 5650C-561 □-N	560	0.796	20	2.4	8.500	110
WCI 5650C-681 □-N	680	0.796	20	2.2	10.000	100
WCI 5650C-821 □-N	820	0.796	20	2.0	13.000	90
WCI 5650C-102 □-N	1000	0.252	20	1.8	15.000	85
WCI 5650C-122 □-N	1200	0.252	20	1.5	17.000	75
WCI 5650C-152 □-N	1500	0.252	20	1.4	20.000	70
WCI 5650C-182 □-N	1800	0.252	20	1.3	30.000	60
WCI 5650C-222 □-N	2200	0.252	20	1.2	35.000	55
WCI 5650C-272 □-N	2700	0.252	20	1.1	55.000	45
WCI 5650C-332 □-N	3300	0.252	20	1.0	60.000	40
WCI 5650C-392 □-N	3900	0.252	20	1.0	70.000	38
WCI 5650C-472 □-N	4700	0.252	20	0.9	78.000	36
WCI 5650C-562 □-N	5600	0.252	20	0.8	85.000	33
WCI 5650C-682 □-N	6800	0.252	20	0.7	110.000	30
WCI 5650C-822 □-N	8200	0.252	20	0.6	125.000	28
WCI 5650C-103 □-N	10000	0.0796	15	0.5	150.000	25

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# WIRE WOUND HIGH CURRENT FERRITE CHIP INDUCTORS / WCIL(C) TYPE

## FEATURES

- ◆ Very strong solderability by reflow soldering and soldering iron.
- ◆ Highly accurate dimensions can be mounted automatically.
- ◆ Terminals are highly resistant to pull forces.
- ◆ Highly resistant to mechanical shocks and pressure.
- ◆ Highly reliable in environments of sudden temperature change and humidity.
- ◆ Superior IDC for DC/DC converter.

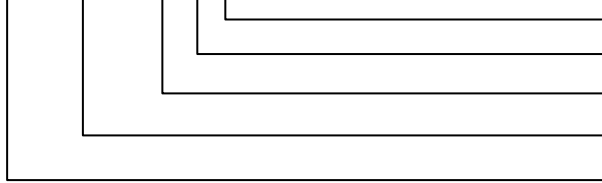


## APPLICATIONS

- ◆ DC/DC converter such as DSC, LCD TV, game console, portable VCRs, conveyable telephone, and others.

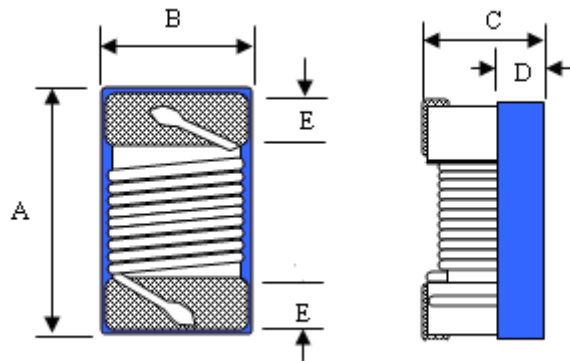
## ORDERING CODE

WCIL 3225C - 100 □ - N



Note: lead-free  
Tolerance (J:± 5%, K:±10%)  
Inductance  
Dimension  
Product Symbol

## SHAPES



## DIMENSIONS UNIT: mm

Part No.	A (MAX)	B (MAX)	C (MAX)	D (REF)	E (REF)
WCIL 2520C	2.90	2.54	2.00	1.3	0.5
WCIL 3225C	3.60	2.90	2.50	1.1	0.5



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## WIRE WOUND HIGH CURRENT FERRITE CHIP INDUCTORS / WCIL(C) TYPE

### ELECTRICAL CHARACTERISTICS FOR WCIL 2520C

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCIL 2520C-1R0 □-N	1.0	7.96	25	300	0.34	1500
WCIL 2520C-1R5 □-N	1.5	7.96	25	270	0.42	1400
WCIL 2520C-2R2 □-N	2.2	7.96	25	140	0.50	1200
WCIL 2520C-3R3 □-N	3.3	7.96	25	95	0.65	1000
WCIL 2520C-4R7 □-N	4.7	7.96	25	90	0.80	800
WCIL 2520C-6R8 □-N	6.8	7.96	25	68	1.00	730
WCIL 2520C-100 □-N	10	2.52	20	45	1.50	700
WCIL 2520C-150 □-N	15	2.52	20	40	2.20	500
WCIL 2520C-220 □-N	22	2.52	20	25	2.70	470
WCIL 2520C-330 □-N	33	2.52	20	25	4.00	400
WCIL 2520C-470 □-N	47	2.52	16	20	8.00	300

### ELECTRICAL CHARACTERISTICS FOR WCIL 3225C

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCIL 3225C-1R0 □-N	1.0	7.96	20	100	0.08	1500
WCIL 3225C-1R5 □-N	1.5	7.96	20	80	0.13	1125
WCIL 3225C-2R2 □-N	2.2	7.96	20	68	0.13	970
WCIL 3225C-3R3 □-N	3.3	7.96	20	54	0.16	837
WCIL 3225C-4R7 □-N	4.7	7.96	20	43	0.23	675
WCIL 3225C-6R8 □-N	6.8	7.96	20	33	0.27	600
WCIL 3225C-100 □-N	10	2.52	15	28	0.36	520
WCIL 3225C-150 □-N	15	2.52	15	19	0.56	480
WCIL 3225C-220 □-N	22	2.52	15	16	0.77	310
WCIL 3225C-330 □-N	33	2.52	15	12	1.10	270
WCIL 3225C-470 □-N	47	2.52	15	10	1.64	210
WCIL 3225C-680 □-N	68	2.52	15	9	2.80	189
WCIL 3225C-101 □-N	100	0.796	15	6	3.70	145
WCIL 3225C-151 □-N	150	0.796	15	5	6.10	120
WCIL 3225C-221 □-N	220	0.796	15	4	8.40	100
WCIL 3225C-331 □-N	330	0.796	15	3.5	12.3	80
WCIL 3225C-471 □-N	470	0.796	15	2.8	22.0	75
WCIL 3225C-681 □-N	680	0.796	15	2	28.0	65

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