

# 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.

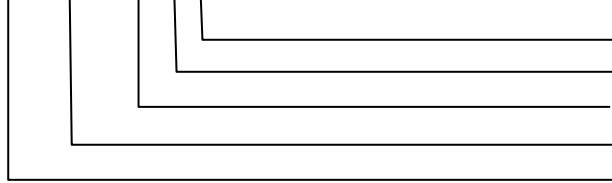


## APPLICATIONS

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

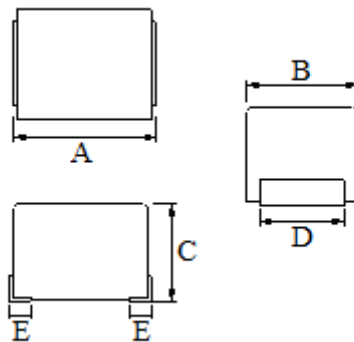
## ORDERING CODE

WCI 3225 - 100 □ - N



Note: lead-free  
Tolerance (J:±5%, K:±10%, M:±20%)  
Inductance  
Dimension (Ax B)  
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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