

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.

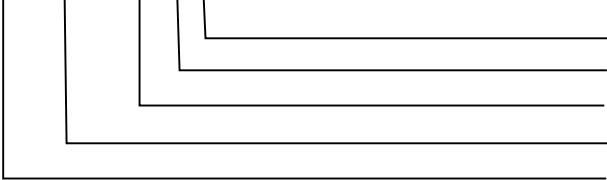


APPLICATIONS

- ◆ Wireless modules.
- ◆ High-frequency systems.
- ◆ Various categories of consumer electronics.

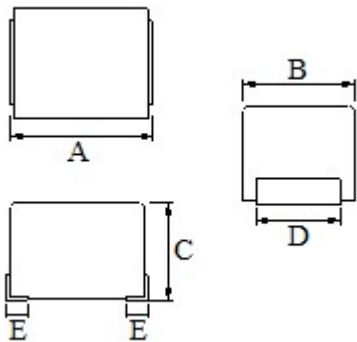
ORDERING CODE

WCI 2520 – 8R2 □-N



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

IMENSIONS (UNIT: mm)



A	2.5 ± 0.3	m/m
B	2.0 ± 0.2	m/m
C	1.8 ± 0.2	m/m
D	1.4 (REF)	m/m
E	0.3 (REF)	m/m



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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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