

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.

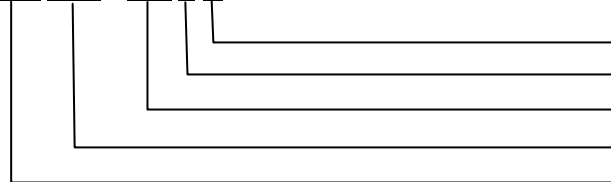


APPLICATIONS

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

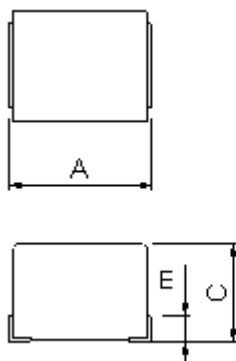
ORDERING CODE

WCI 2520 - 8R2 □-N



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

DIMENSIONS (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 ± 0.1 | m/m |
| E | 0.3 (MIN) | 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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