

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.

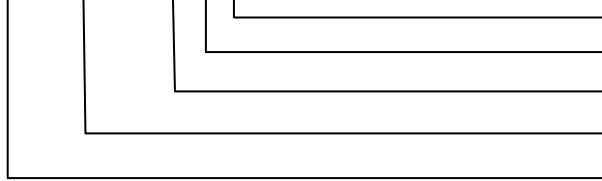


APPLICATIONS

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

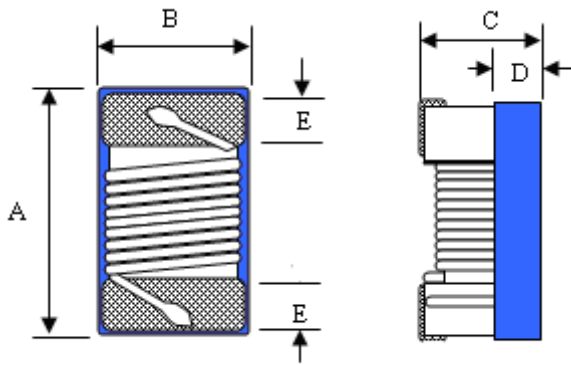
ORDERING CODE

WCIL 3225C - 100 □ - N



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

DIMENSIONS (UNIT: mm)



| | | |
|---|-----------|-----|
| A | 3.6 (MAX) | m/m |
| B | 2.9 (MAX) | m/m |
| C | 2.5 (MAX) | m/m |
| D | 1.1 (REF) | m/m |
| E | 0.5±0.1 | m/m |



CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>

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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 |

