

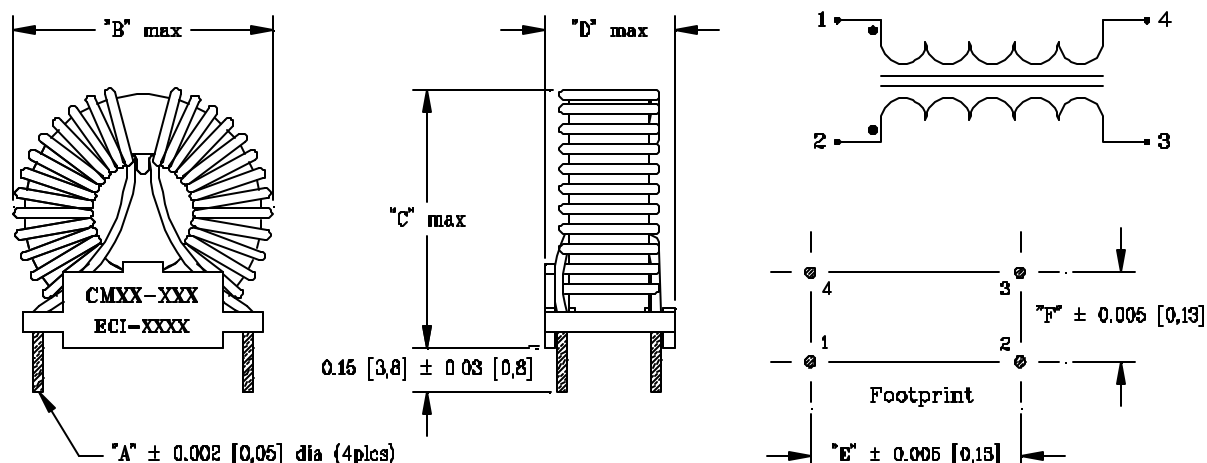
# CMXX-XXX

Vertical mount, open frame, common mode filter

- Single layer winding for minimum capacitance / greatest bandwidth
- Inductance balanced within 1% (1-4 & 2-3)
- Dielectric strength, 2000Vrms between windings
- Creepage / clearance distance 3mm minimum
- Temperature class, 130 °C
- Inductance test level, 100kHz @ 10mV
- "I" maximum rating reference only for 40 °C temperature rise

| P/N      | "B"<br>" [mm] | "C"<br>" [mm] | "D"<br>" [mm] | "E"<br>" [mm] | "F"<br>" [mm] |
|----------|---------------|---------------|---------------|---------------|---------------|
| CM10-XXX | 1.06 [26,9]   | 1.10 [27,9]   | 0.62 [15,7]   | 0.800 [20,3]  | 0.400 [10,2]  |
| CM15-XXX | 1.36 [34,5]   | 1.34 [34,0]   | 0.81 [20,6]   | 0.900 [22,9]  | 0.600 [15,2]  |
| CM20-XXX | 1.76 [44,7]   | 1.70 [43,2]   | 0.93 [23,6]   | 1.200 [30,5]  | 0.700 [17,8]  |
| CM30-XXX | 2.50 [63,5]   | 2.40 [61,0]   | 1.20 [30,5]   | 1.500 [38,1]  | 0.900 [22,9]  |

Rev A, 2/03



| <b>CM10-XXX<br/>Dash #</b> | <b>“L” ± 25%<br/>(mH)</b> | <b>“DCR” max<br/>(mW)</b> | <b>“I” max<br/>(Amps)</b> | <b>“L<sub>L</sub>” max<br/>(uH)</b> | <b>“A” dia<br/>" [mm]</b> |
|----------------------------|---------------------------|---------------------------|---------------------------|-------------------------------------|---------------------------|
| -020                       | 324 uH                    | 7.5                       | 11.4                      | 4.3                                 | 0.045 [1,14]              |
| -029                       | 467 uH                    | 11                        | 9.2                       | 6.9                                 | 0.040 [1,02]              |
| -039                       | 635 uH                    | 16                        | 7.6                       | 9.5                                 | 0.036 [0,91]              |
| -051                       | 829 uH                    | 22                        | 6.3                       | 12                                  | 0.032 [0,81]              |
| -065                       | 1.050                     | 31                        | 5.2                       | 15                                  | 0.028 [0,71]              |
| -089                       | 1.429                     | 45                        | 4.3                       | 20                                  | 0.050 [1,27]              |
| -116                       | 1.866                     | 64                        | 3.5                       | 26                                  | 0.050 [1,27]              |
| -147                       | 2.362                     | 91                        | 2.9                       | 30                                  | 0.050 [1,27]              |
| -194                       | 3.114                     | 130                       | 2.4                       | 42                                  | 0.050 [1,27]              |
| -234                       | 3.745                     | 180                       | 2.0                       | 51                                  | 0.050 [1,27]              |

| <b>CM15-XXX<br/>Dash #</b> | <b>“L” ± 25%<br/>(mH)</b> | <b>“DCR” max<br/>(mW)</b> | <b>“I” max<br/>(Amps)</b> | <b>“L<sub>L</sub>” max<br/>(uH)</b> | <b>“A” dia<br/>" [mm]</b> |
|----------------------------|---------------------------|---------------------------|---------------------------|-------------------------------------|---------------------------|
| -055                       | 745 uH                    | 7                         | 16.3                      | 11                                  | 0.057 [1,45]              |
| -080                       | 1.073                     | 10                        | 13.6                      | 16                                  | 0.050 [1,27]              |
| -094                       | 1.259                     | 14                        | 11.1                      | 19                                  | 0.045 [1,14]              |
| -125                       | 1.676                     | 19                        | 9.0                       | 25                                  | 0.040 [1,02]              |
| -161                       | 2.153                     | 25                        | 7.4                       | 32                                  | 0.050 [1,27]              |
| -223                       | 2.980                     | 37                        | 6.0                       | 45                                  | 0.050 [1,27]              |
| -270                       | 3.606                     | 50                        | 5.1                       | 54                                  | 0.050 [1,27]              |
| -349                       | 4.656                     | 72                        | 4.2                       | 70                                  | 0.050 [1,27]              |
| -438                       | 5.841                     | 105                       | 3.5                       | 88                                  | 0.050 [1,27]              |
| -572                       | 7.629                     | 145                       | 2.9                       | 115                                 | 0.050 [1,27]              |

| <b>CM20-XXX<br/>Dash #</b> | <b>“L” ± 25%<br/>(mH)</b> | <b>“DCR” max<br/>(mW)</b> | <b>“I” max<br/>(Amps)</b> | <b>“L<sub>L</sub>” max<br/>(uH)</b> | <b>“A” dia<br/>" [mm]</b> |
|----------------------------|---------------------------|---------------------------|---------------------------|-------------------------------------|---------------------------|
| -079                       | 1.268                     | 8                         | 18.6                      | 12                                  | 0.064 [1,63]              |
| -105                       | 1.688                     | 11                        | 15.0                      | 17                                  | 0.057 [1,45]              |
| -135                       | 2.168                     | 16                        | 12.3                      | 23                                  | 0.050 [1,27]              |
| -207                       | 3.308                     | 24                        | 10.2                      | 31                                  | 0.045 [1,14]              |
| -248                       | 3.968                     | 33                        | 8.5                       | 37                                  | 0.040 [1,02]              |
| -394                       | 6.308                     | 51                        | 7.2                       | 57                                  | 0.050 [1,27]              |
| -480                       | 7.680                     | 71                        | 6.0                       | 75                                  | 0.050 [1,27]              |
| -608                       | 9.720                     | 100                       | 5.1                       | 98                                  | 0.050 [1,27]              |
| -713                       | 11.408                    | 137                       | 4.0                       | 109                                 | 0.050 [1,27]              |
| -867                       | 13.868                    | 189                       | 3.4                       | 140                                 | 0.050 [1,27]              |

| <b>CM30-XXX<br/>Dash #</b> | <b>“L” ± 25%<br/>(mH)</b> | <b>“DCR” max<br/>(mW)</b> | <b>“I” max<br/>(Amps)</b> | <b>“L<sub>L</sub>” max<br/>(uH)</b> | <b>“A” dia<br/>" [mm]</b> |
|----------------------------|---------------------------|---------------------------|---------------------------|-------------------------------------|---------------------------|
| <b>-008</b>                | 1.020                     | 5                         | 31.0                      | 14                                  | 0.091 [2,31]              |
| <b>-010</b>                | 1.388                     | 7                         | 26.0                      | 18                                  | 0.081 [2,06]              |
| <b>-015</b>                | 2.046                     | 10                        | 21.6                      | 28                                  | 0.072 [1,83]              |
| <b>-021</b>                | 2.832                     | 14                        | 17.8                      | 39                                  | 0.064 [1,63]              |
| <b>-028</b>                | 3.745                     | 20                        | 14.8                      | 50                                  | 0.057 [1,45]              |
| <b>-042</b>                | 5.551                     | 31                        | 12.2                      | 75                                  | 0.050 [1,27]              |
| <b>-054</b>                | 7.250                     | 44                        | 10.2                      | 100                                 | 0.050 [1,27]              |
| <b>-061</b>                | 8.184                     | 59                        | 8.4                       | 120                                 | 0.050 [1,27]              |
| <b>-081</b>                | 10.769                    | 84                        | 7.0                       | 151                                 | 0.050 [1,27]              |
| <b>-128</b>                | 16.999                    | 132                       | 5.7                       | 219                                 | 0.050 [1,27]              |