



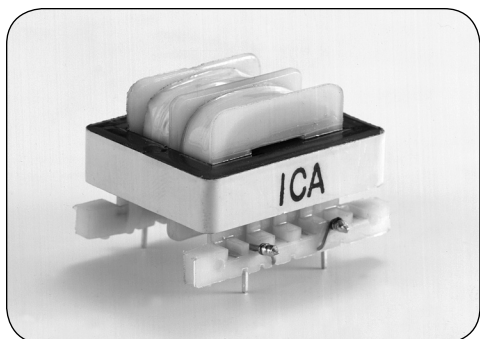
ICE Components, Inc.

Voice: 800.729.2099  
Fax: 678.560.9304

cust.serv@icecomp.com  
www.icecomponents.com

## Common Mode Chokes — EE

## C02 Series



### Features

- Low cost achieved through use of standard EE cores
- 3750 Vrms isolation
- Meets UL, CSA and VDE requirements
- Utilizes UL Class B system

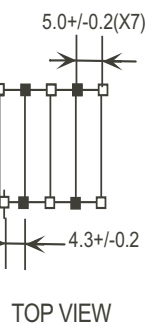
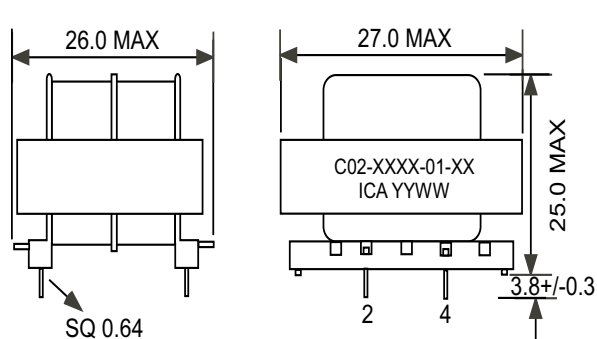
### Applications

- Off-Line SMPS
- Conducted EMI Filters
- Telecom Power Equipment

### Packaging :

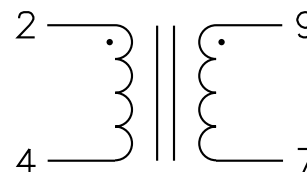
- C02-XXXX-01-XX Tray=48 pieces, Box=5 trays, Box=240 pieces
- C02-XXXX-02-XX Tray=32 pieces, Box=6 trays, Box=192 pieces
- C02-XXXX-03-XX Tray=32 pieces, Box=6 trays, Box=192 pieces

### Low series

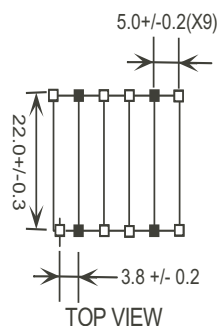
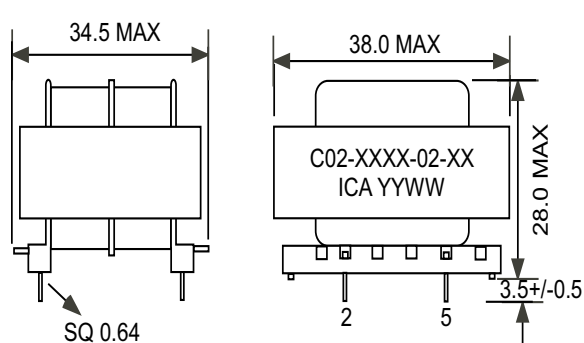


TOP VIEW

### Schematic

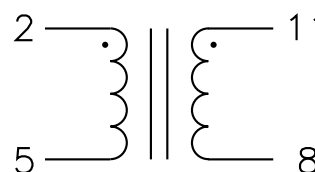


### Mid series

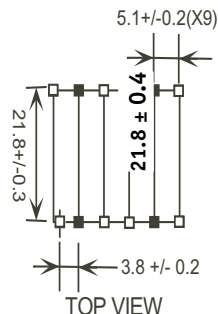
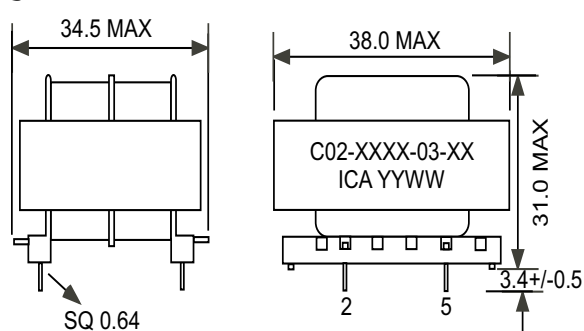


TOP VIEW

### Schematic

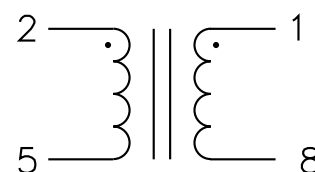


### High series



TOP VIEW

### Schematic



## ELECTRICAL SPECIFICATIONS — LOW SERIES

| Part Number    | Inductance<br>(mH min.)* | IDC<br>(Amps) | Lkg. L<br>(uH max.)* | DCR<br>(mOhms max.) | Isolation<br>(V rms) |
|----------------|--------------------------|---------------|----------------------|---------------------|----------------------|
| C02-1210-01-00 | 121                      | 0.2           | 3000                 | 7.5                 | 3750                 |
| C02-0193-01-00 | 19.3                     | 0.5           | 530                  | 1.4                 | 3750                 |
| C02-0061-01-00 | 6.1                      | 0.8           | 170                  | 0.55                | 3750                 |
| C02-0041-01-00 | 4.1                      | 1             | 130                  | 0.32                | 3750                 |
| C02-0024-01-00 | 2.4                      | 1.2           | 70                   | 0.2                 | 3750                 |
| C02-0021-01-00 | 2.1                      | 1.5           | 65                   | 0.17                | 3750                 |
| C02-0012-01-00 | 1.2                      | 1.8           | 45                   | 0.095               | 3750                 |
| C02-0010-01-00 | 1                        | 2             | 35                   | 0.075               | 3750                 |
| C02-0007-01-00 | 0.7                      | 2.2           | 25                   | 0.065               | 3750                 |
| C02-0006-01-00 | 0.6                      | 2.5           | 22                   | 0.055               | 3750                 |
| C02-0006-01-01 | 0.6                      | 2.8           | 20                   | 0.045               | 3750                 |
| C02-0005-01-00 | 0.5                      | 3             | 16                   | 0.04                | 3750                 |

\*Measured @ 10kHz, 0.5 V rms

## ELECTRICAL SPECIFICATIONS — MID SERIES

| Part Number    | Inductance<br>(mH min.)* | IDC<br>(Amps) | Lkg. L<br>(uH max.)* | DCR<br>(mOhms max.) | Isolation<br>(V rms) |
|----------------|--------------------------|---------------|----------------------|---------------------|----------------------|
| C02-1470-02-00 | 147                      | 0.6           | 3800                 | 3.5                 | 3750                 |
| C02-1000-02-00 | 100                      | 0.8           | 2800                 | 2.1                 | 3750                 |
| C02-0440-02-00 | 44                       | 1             | 1200                 | 1.1                 | 3750                 |
| C02-0240-02-00 | 24                       | 1.5           | 650                  | 0.6                 | 3750                 |
| C02-0140-02-00 | 14                       | 2             | 410                  | 0.35                | 3750                 |
| C02-0092-02-00 | 9.2                      | 2.5           | 270                  | 0.25                | 3750                 |
| C02-0056-02-00 | 5.6                      | 3             | 160                  | 0.2                 | 3750                 |
| C02-0032-02-00 | 3.2                      | 3.5           | 95                   | 0.09                | 3750                 |

\*Measured @ 10kHz, 0.5 V rms

## ELECTRICAL SPECIFICATIONS — HIGH SERIES

| Part Number    | Inductance<br>(mH min.)* | IDC<br>(Amps) | Lkg. L<br>(uH max.)* | DCR<br>(mOhms max.) | Isolation<br>(V rms) |
|----------------|--------------------------|---------------|----------------------|---------------------|----------------------|
| C02-2000-03-00 | 200                      | 0.6           | 4100                 | 3.3                 | 3750                 |
| C02-0840-03-00 | 84                       | 1             | 2000                 | 1.7                 | 3750                 |
| C02-0340-03-00 | 34                       | 1.4           | 750                  | 0.7                 | 3750                 |
| C02-0300-03-00 | 30                       | 1.8           | 620                  | 0.55                | 3750                 |
| C02-0135-03-00 | 13.5                     | 2.2           | 300                  | 0.3                 | 3750                 |
| C02-0121-03-00 | 12.1                     | 2.5           | 270                  | 0.28                | 3750                 |
| C02-0110-03-00 | 11                       | 2.7           | 250                  | 0.25                | 3750                 |
| C02-0105-03-00 | 10.5                     | 3             | 230                  | 0.21                | 3750                 |
| C02-0067-03-00 | 6.7                      | 3.2           | 170                  | 0.17                | 3750                 |
| C02-0062-03-00 | 6.2                      | 3.5           | 150                  | 0.15                | 3750                 |
| C02-0043-03-00 | 4.3                      | 3.7           | 100                  | 0.1                 | 3750                 |
| C02-0039-03-00 | 3.9                      | 4             | 95                   | 0.09                | 3750                 |

\*Measured @ 10kHz, 0.5 V rms