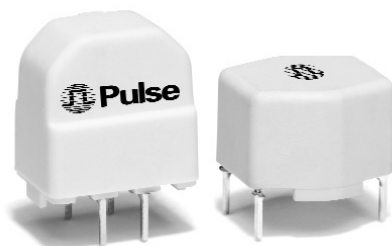


# CURRENT COMPENSATED NOISE SUPPRESSION CHOKES

## FE 2X Series - 2 Phase Common Mode Choke



- Complies with VDE 565-2
- Materials meet UL-94V0 requirements
- Rated voltage: 250 Vac
- Withstanding voltage: 1500 Vac

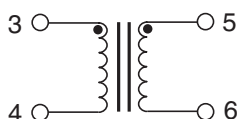
### Electrical Specifications @ 25°C — Operating Temperature 0°C to 60°C

| Part Number<br>(Vertical) | Part Number<br>(Horizontal) | L<br>(mH $\pm 30\%$ ) | Current<br>(A) | DCR<br>( $\Omega \pm 20\%$ ) | Resonance<br>(kHz) |
|---------------------------|-----------------------------|-----------------------|----------------|------------------------------|--------------------|
| FE2X03-3-2                | FE2X03-3-3                  | 3.3                   | 1.50           | 0.17                         | 800                |
| FE2X03-4-2                | FE2X03-4-3                  | 3.3                   | 2.50           | 0.07                         | 700                |
| FE2X03-5-2                | —                           | 3.3                   | 2.80           | 0.06                         | 700                |
| FE2X03-6-2                | —                           | 3.3                   | 4.00           | 0.06                         | 700                |
| —                         | FE2X03-8-3                  | 3.3                   | 8.00           | 0.028                        | 700                |
| FE2X07-3-2                | FE2X07-3-3                  | 6.8                   | 1.20           | 0.30                         | 400                |
| FE2X07-5-2                | FE2X07-5-3                  | 6.8                   | 2.00           | 0.14                         | 450                |
| FE2X07-6-2                | —                           | 6.8                   | 2.20           | 0.17                         | 450                |
| FE2X10-3-2                | FE2X10-3-3                  | 10                    | 0.70           | 0.55                         | 350                |
| FE2X10-4-2                | FE2X10-4-3                  | 10                    | 1.20           | 0.30                         | 350                |
| FE2X10-5-2                | —                           | 10                    | 1.60           | 0.21                         | 300                |
| FE2X10-6-2                | —                           | 10                    | 1.80           | 0.20                         | 300                |
| FE2X15-3-2                | FE2X15-3-3                  | 15                    | 0.50           | 0.77                         | 300                |
| FE2X15-4-2                | —                           | 15                    | 1.00           | 0.40                         | 220                |
| FE2X18-3-2                | —                           | 18                    | 0.45           | 1.00                         | 200                |
| FE2X18-6-2                | —                           | 18                    | 1.40           | 0.28                         | 200                |
| FE2X27-3-2                | FE2X27-3-3                  | 27                    | 0.40           | 1.70                         | 180                |
| FE2X27-4-2                | FE2X27-4-3                  | 27                    | 0.70           | 0.62                         | 180                |
| FE2X39-3-2                | FE2X39-3-3                  | 39                    | 0.35           | 2.00                         | 160                |
| FE2X39-4-2                | FE2X39-4-3                  | 39                    | 0.50           | 1.12                         | 160                |
| FE2X39-5-2                | —                           | 39                    | 0.70           | 1.00                         | 160                |
| FE2X47-3-2                | —                           | 47                    | 0.30           | 2.30                         | 150                |
| FE2X47-4-2                | —                           | 47                    | 0.40           | 1.30                         | 150                |

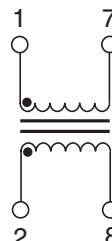
**NOTE** – Part Numbering System: **FEXLV-S-P**, where **LV** is the inductance value, **S** is the size code, and **P** is package style (2 = vertical and 3 = horizontal)

### Schematics

Style 2 - Vertical Package



Style 3 - Horizontal Package



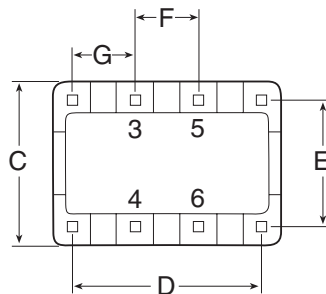
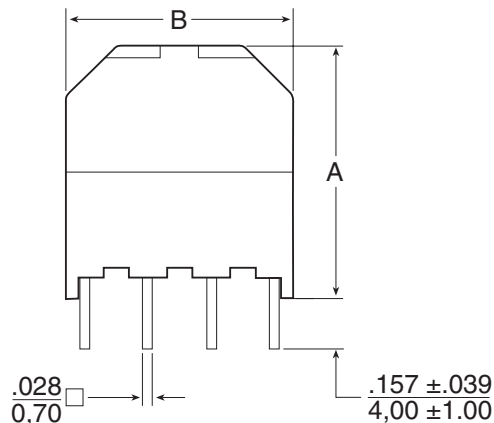
# CURRENT COMPENSATED NOISE SUPPRESSION CHOKES

## FE 2X Series - 2 Phase Common Mode Choke



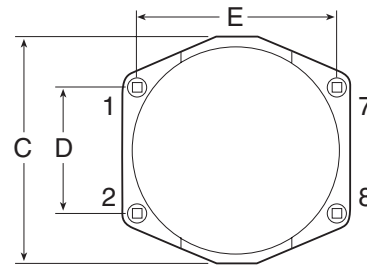
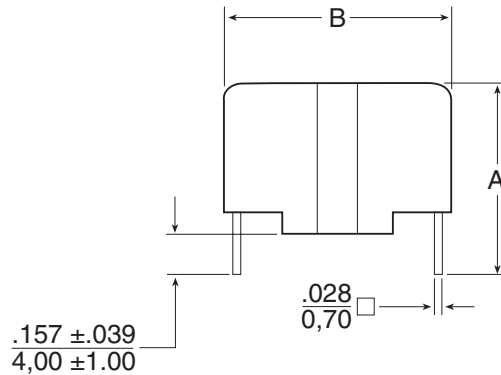
### Mechanicals

Style 2 - Vertical Package



PINS VIEW

Style 3 - Horizontal Package



PINS VIEW

| Size Code | A              | B              | C             | D              | E             | F             | G            |
|-----------|----------------|----------------|---------------|----------------|---------------|---------------|--------------|
| 3         | .787<br>20,00  | .709<br>18,00  | .512<br>13,00 | .591<br>15,00  | .394<br>10,00 | .197<br>5,00  | .197<br>5,00 |
| 4         | .984<br>25,00  | .906<br>23,00  | .610<br>15,50 | .787<br>20,00  | .492<br>12,50 | .394<br>10,00 | .197<br>5,00 |
| 5         | 1.181<br>30,00 | 1.063<br>27,00 | .709<br>18,00 | .886<br>22,50  | .591<br>15,00 | .492<br>12,50 | .197<br>5,00 |
| 6         | 1.378<br>35,00 | 1.260<br>32,00 | .709<br>18,00 | 1.083<br>27,50 | .591<br>15,00 | .492<br>12,50 | .295<br>7,50 |

| Size Code | A             | B              | C              | D             | E              |
|-----------|---------------|----------------|----------------|---------------|----------------|
| 3         | .492<br>12,50 | .689<br>17,50  | .689<br>17,50  | .394<br>10,00 | .591<br>15,00  |
| 4         | .591<br>15,00 | .886<br>22,50  | .886<br>22,50  | .492<br>12,50 | .787<br>20,00  |
| 5         | .689<br>17,50 | 1.083<br>27,50 | 1.083<br>27,50 | .591<br>15,00 | .984<br>25,00  |
| 8         | .984<br>25,00 | 1.693<br>43,00 | 1.654<br>42,00 | .591<br>15,00 | 1.575<br>40,00 |

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