

# FE 80X2 Series

## 2 wires Line Common Mode Chokes

*Selbs de Mode Commun de ligne 2 fils*

### Key Features Caractéristiques

Wide range of inductance values  
*Gamme de valeurs de selbs étendue*

500 Vrms Isolation standard  
*Isolation standard 500 Vrms*

High insertion loss over a wide frequency range  
*Fortes caractéristiques d'atténuation dans une large gamme de fréquences*

Low Cost & Compact design  
*Version compacte et économique*

ISDN Interface common mode choke FE 8002 is a 2-fold current compensated choke for two wire S-Interface used to link ISDN terminals.  
The FE 8002 ISDN interface common mode choke is a specially developed device to offer maximum insertion loss on ISDN telephone line for EMI/RFI suppression purposes.

*La self de mode commun FE 8002 est une self double dédiée aux applications RNIS sur paire torsadée.*

*La self de mode commun FE 8002 a été spécialement conçue pour atténuer les perturbations EMI/RFI sur les lignes téléphoniques RNIS.*

### Electrical Specifications at 25°C

| Part No<br><i>Référence</i> | L<br>mH  | I<br>mA | DCR<br>$\Omega$ max | Hipot<br><i>Diélectrique</i> | Sche-<br>matic |
|-----------------------------|----------|---------|---------------------|------------------------------|----------------|
| FE 8002-1X                  | 2 x 1.7  | 150     | 0.25                | 500 Vrms                     | A              |
| FE 8002-3X                  | 2 x 3.6  | 150     | 0.5                 | 500 Vrms                     | A              |
| FE 8022-42                  | 2 x 4.7  | 150     | 0.9                 | 500 Vrms                     | B              |
| FE 8002-2X                  | 2 x 8.0  | 150     | 0.5                 | 500 Vrms                     | A              |
| FE 8002-12X                 | 2 x 12.5 | 150     | 1.5                 | 500 Vrms                     | A              |
| FE 8002-30X                 | 2 x 28   | 150     | 1.0                 | 500 Vrms                     | A              |
| FE 8012-302F                | 2 x 28   | 300     | 1.5                 | 500 Vrms                     | C              |
| FE 8002-50X                 | 2 x 50   | 150     | 1.3                 | 500 Vrms                     | A              |
| FE 8002-70X                 | 2 x 70   | 150     | 2.1                 | 500 Vrms                     | A              |
| FE 8012-702F                | 2 x 70   | 300     | 3.1                 | 500 Vrms                     | C              |
| FE 8002-90X                 | 2 x 90   | 150     | 2.5                 | 500 Vrms                     | A              |

**Notes:**

L - Inductance : (-30% / +50%)  
measured at 10 KHz and 0.1 Vrms  
I - Nominal current per winding at 50 Hz

**Notes :**

L - Inductance : (-30% / +50%)  
mesurée à 10 KHz et 0.1 Vrms  
I - Courant nominal par enroulement à 50 Hz

### Part Numbering System Codification

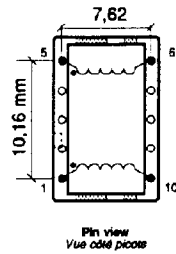
Ex. FEE 8002-2X

**L**Style  
2 = Vertical  
3 = Horizontal

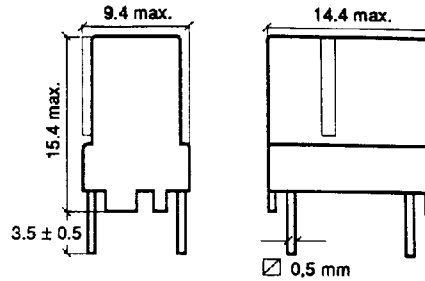
# FE 80X2 Series

## 2 wires Line Common Mode Chokes *Selfs de Mode Commun de ligne 2 fils*

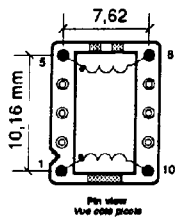
Schematic A



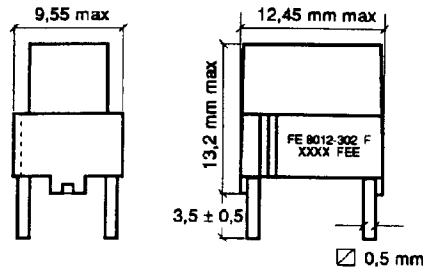
**Style 2** Vertical Mounting  
*Montage Vertical*



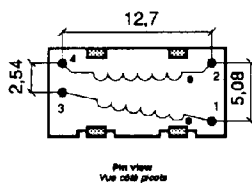
Schematic C



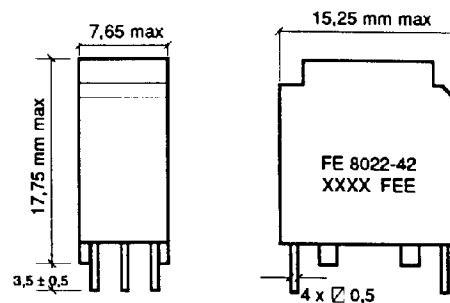
**Style 2** Vertical - FE 8012  
*Vertical - FE 8012*



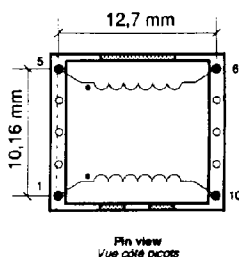
Schematic B



**Style 2** Vertical - FE 8022  
*Vertical - FE 8022*



Schematic A



**Style 3** Horizontal Mounting  
*Montage Horizontal*

