

# 080/080M General Purpose and Medical Type Power Entry Filters



## 080 Series

### General Purpose Power Entry Filter

#### Features

General purpose, compact, easy to use power entry filter. Faston tabs or solder terminals for easy installation and use.

#### Typical Applications

Computers, communication equipment, LCD TV, electrical toys.



## 080M Series

### Low Leakage Current Medical Type Power Entry Filters

#### Features

Very low leakage current, compact, easy to use power entry filter with faston tabs or solder terminals.

#### Typical Applications

Medical type equipment and medical typical applications.

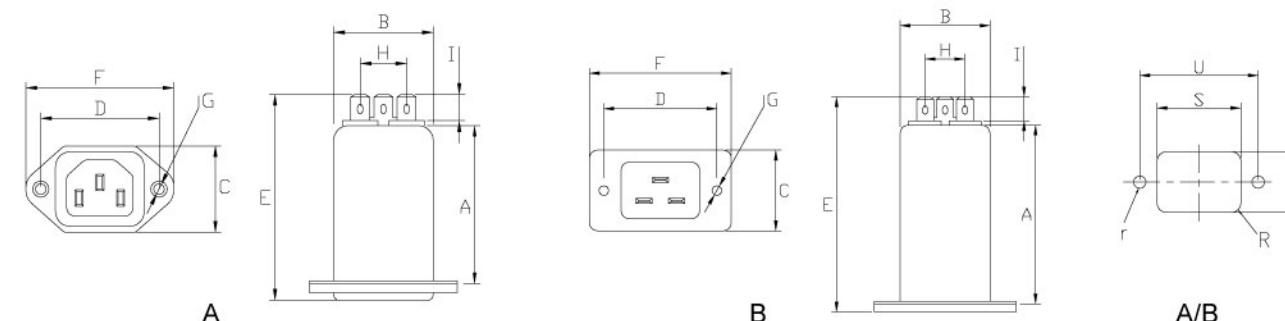


### Technical Data

|                          |                    |                             |              |
|--------------------------|--------------------|-----------------------------|--------------|
| Rated Voltage Max. (V)   | 250VAC             | Leakage Current 080 Series  |              |
| Rated Current (A)        | 1 - 20A @ 40°C     | @ 250 VAC 50 Hz             | 0.42 mA Max. |
| Operating Frequency (Hz) | 50 / 60Hz          | @ 115 VAC 60 Hz             | 0.23 mA Max. |
| Hipot Rating             |                    | Leakage Current 080M Series |              |
| Line to Line             | 1450V DC           | @ 250 VAC 50 Hz             | 10µA Max.    |
| Line to Ground           | 2250V DC           | @ 115 VAC 60 Hz             | 5µA Max.     |
| Case                     | Plated steel       | IP Standard                 | 52-54        |
| Packaging Quantity       | 224 Pcs per carton | Climatic category           | 25 / 85 / 21 |

| 080 Model No. | 080M Model No. | Rated Current @ 40°C | Mechanical Diagram | Unit Weight (g) | Terminal Options  |                 |
|---------------|----------------|----------------------|--------------------|-----------------|-------------------|-----------------|
|               |                |                      |                    |                 | In                | Out             |
| 080.00101.00  | 080M.00101.00  | 1.0                  | A                  | 44.0            | IEC Inlet Socket  | Faston 6.35*0.8 |
| 080.00301.00  | 080M.00301.00  | 3.0                  | A                  | 45.0            | IEC Inlet Socket  | Faston 6.35*0.8 |
| 080.00601.00  | 080M.00601.00  | 6.0                  | A                  | 45.0            | IEC Inlet Socket  | Faston 6.35*0.8 |
| 080.00801.00  | 080M.00801.00  | 8.0                  | A                  | 45.0            | IEC Inlet Socket  | Faston 6.35*0.8 |
| 080.01001.00  | 080M.01001.00  | 10.0                 | A                  | 46.0            | IEC Inlet Socket  | Faston 6.35*0.8 |
| 080.01502.00  | 080M.01502.00  | 15.0                 | A                  | 70.0            | IEC Outlet Socket | Faston 6.35*0.8 |
| 080.02001.00  | 080M.02001.00  | 20.0                 | B                  | 98.0            | IEC Inlet Socket  | Faston 6.35*0.8 |
| 080.02002.00  | 080M.02002.00  | 20.0                 | B                  | 120.0           | IEC Outlet Socket | Faston 6.35*0.8 |

### 080/080M Mechanical Outlines



### 080/080M Mechanical Dimensions (mm)

For reference only

| Model No.    | Model No.     | A    | B    | C    | D    | E    | F    | G      | H    | I   | R   | S    | T    | U    | r   |
|--------------|---------------|------|------|------|------|------|------|--------|------|-----|-----|------|------|------|-----|
| 080.00101.00 | 080M.00101.00 | 40.0 | 28.3 | 22.5 | 40.0 | 55.0 | 50.0 | 2*Φ4.0 | 12.9 | 8.5 | 3.0 | 29.0 | 21.0 | 40.0 | 2.1 |
| 080.00301.00 | 080M.00301.00 | 40.0 | 28.3 | 22.5 | 40.0 | 55.0 | 50.0 | 2*Φ4.0 | 12.9 | 8.5 | 3.0 | 29.0 | 21.0 | 40.0 | 2.1 |
| 080.00601.00 | 080M.00601.00 | 40.0 | 28.3 | 22.5 | 40.0 | 55.0 | 50.0 | 2*Φ4.0 | 12.9 | 8.5 | 3.0 | 29.0 | 21.0 | 40.0 | 2.1 |
| 080.00801.00 | 080M.00801.00 | 40.0 | 28.3 | 22.5 | 40.0 | 55.0 | 50.0 | 2*Φ4.0 | 12.9 | 8.5 | 3.0 | 29.0 | 21.0 | 40.0 | 2.1 |
| 080.01001.00 | 080M.01001.00 | 40.0 | 28.3 | 22.5 | 40.0 | 55.0 | 50.0 | 2*Φ4.0 | 12.9 | 8.5 | 3.0 | 29.0 | 21.0 | 40.0 | 2.1 |
| 080.01502.00 | 080M.01502.00 | 53.5 | 33.6 | 29.0 | 40.0 | 67.5 | 50.4 | 2*Φ4.0 | 15.0 | 8.8 | 3.0 | 35.0 | 26.5 | 40.0 | 2.1 |
| 080.02001.00 | 080M.02001.00 | 66.5 | 33.9 | 30.5 | 42.0 | 80.5 | 53.0 | 2*Φ4.0 | 15.0 | 8.8 | 3.0 | 35.0 | 26.5 | 42.0 | 2.1 |
| 080.02002.00 | 080M.02002.00 | 66.5 | 39.3 | 34.8 | 45.0 | 80.5 | 54.5 | 2*Φ4.0 | 15.0 | 8.8 | 3.0 | 41.0 | 32.0 | 45.0 | 2.1 |

All dimensions in mm, 1 inch=25.4 mm

### Insertion Loss in dB Measured in a 50Ω System

| Model No.    | Common Mode IL (Frequencies in MHz) |      |      |      |      |      |      |      | Model No.     | Common Mode IL (Frequencies in MHz) |      |      |      |      |      |      |      |
|--------------|-------------------------------------|------|------|------|------|------|------|------|---------------|-------------------------------------|------|------|------|------|------|------|------|
|              | 0.05                                | 0.1  | 0.15 | 0.5  | 1.0  | 5.0  | 10.0 | 30.0 |               | 0.05                                | 0.1  | 0.15 | 0.5  | 1.0  | 5.0  | 10.0 | 30.0 |
| 080.00101.00 | 25.0                                | 32.0 | 35.0 | 45.0 | 57.0 | 57.0 | 57.0 | 50.0 | 080M.00101.00 | 25.0                                | 32.0 | 35.0 | 45.0 | 52.0 | 50.0 | 50.0 | 45.0 |
| 080.00301.00 | 21.0                                | 27.0 | 31.0 | 40.0 | 52.0 | 52.0 | 52.0 | 50.0 | 080M.00301.00 | 21.0                                | 27.0 | 31.0 | 40.0 | 48.0 | 50.0 | 50.0 | 45.0 |
| 080.00601.00 | 8.0                                 | 14.0 | 17.0 | 30.0 | 38.0 | 45.0 | 45.0 | 40.0 | 080M.00601.00 | 8.0                                 | 14.0 | 17.0 | 27.0 | 34.0 | 43.0 | 43.0 | 38.0 |
| 080.00801.00 | 5.0                                 | 10.0 | 13.0 | 25.0 | 35.0 | 40.0 | 40.0 | 35.0 | 080M.00801.00 | 5.0                                 | 10.0 | 13.0 | 24.0 | 29.0 | 37.0 | 37.0 | 31.0 |
| 080.01001.00 | 3.0                                 | 6.0  | 9.0  | 20.0 | 30.0 | 35.0 | 35.0 | 30.0 | 080M.01001.00 | 3.0                                 | 6.0  | 9.0  | 19.0 | 25.0 | 30.0 | 30.0 | 25.0 |
| 080.01502.00 | 2.0                                 | 4.0  | 9.0  | 13.0 | 23.0 | 28.0 | 30.0 | 40.0 | 080M.01502.00 | 2.0                                 | 4.0  | 9.0  | 10.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 080.02001.00 | 5.0                                 | 8.0  | 13.0 | 18.0 | 24.0 | 18.0 | 34.0 | 40.0 | 080M.02001.00 | 5.0                                 | 8.0  | 10.0 | 10.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 080.02002.00 | 5.0                                 | 8.0  | 10.0 | 10.0 | 12.0 | 12.0 | 12.0 | 12.0 | 080M.02002.00 | 5.0                                 | 8.0  | 10.0 | 10.0 | 12.0 | 12.0 | 12.0 | 12.0 |

| Model No.  | Differential Mode IL (Frequencies in MHz) |     |      |      |      |      |      |      | Model No.   | Differential Mode IL (Frequencies in MHz) |     |      |      |      |      |      |      |
|------------|---|-----|------|------|------|------|------|------|-------------|---|-----|------|------|------|------|------|------|
|            | 0.05                                      | 0.1 | 0.15 | 0.5  | 1.0  | 5.0  | 10.0 | 30.0 |             | 0.05                                      | 0.1 | 0.15 | 0.5  | 1.0  | 5.0  | 10.0 | 30.0 |
| 080 Series | 2.0                                       | 5.0 | 8.0  | 17.0 | 23.0 | 35.0 | 35.0 | 30.0 | 080M Series | 2.0                                       | 5.0 | 8.0  | 17.0 | 23.0 | 35.0 | 35.0 | 30.0 |

Line to ground capacitors are available up to 4,700 pF.

Other specifications, requirements and customizations can be offered upon request.