### F1760/F1770/F1780 RFI Filters

#### Specifications:
- **Rated Voltage:** 250VAC, Maximum - 50/60 Hz
- **Rated Current:**
  - 115VAC: 250VAC
  - 20A: 14A
- **Current Overload:** 6X for 8 seconds
- **Hi-Pot Test (1 min):**
  - Line to Ground: 1500VAC
  - Line to Line: 1768VDC
- **Insulation Resistance:** $9 \times 10^9 \ \Omega$ at 100VDC
- **Ambient Temperature:** 40°C Max. at rated current
- **Humidity Range:** 0% to 95% R.H.
- **Termination:**
  - A: QC – Quick Connect
  - D: Screw
- **Maximum Leakage Current:**
  - Each Line to Ground:
    - F1760/1770/1780
      - 115VAC, 60Hz: 0.5mA
      - 250VAC, 50Hz: 1.0mA

#### Features:
- Designed for Applications Where Switching Power Supplies, SCR’s and TTL Circuits Are Utilized
- Protection from Pulsed, Intermittent or Continuous RFI
- Effective CM and DM Suppression for Most FCC VDE Requirements Down to 150kHz
- Available in Stud and Quick Connect Terminal Versions

#### High Performance Specifications:
- **Rated Voltage:**
  - 115VAC: 250VAC
  - 20A: 14A
- **Current Overload:** 6X for 8 seconds
- **Hi-Pot Test (1 min):**
  - Line to Ground: 1500VAC
  - Line to Line: 1768VDC
- **Insulation Resistance:** $9 \times 10^9 \ \Omega$ at 100VDC
- **Ambient Temperature:** 40°C Max. at rated current
- **Humidity Range:** 0% to 95% R.H.
- **Termination:**
  - A: QC – Quick Connect
  - D: Screw
- **Maximum Leakage Current:**
  - Each Line to Ground:
    - F1760/1770/1780
      - 115VAC, 60Hz: 0.5mA
      - 250VAC, 50Hz: 1.0mA

#### Agency Approvals:
- **Features:**
  - Designed for Applications Where Switching Power Supplies, SCR’s and TTL Circuits Are Utilized
  - Protection from Pulsed, Intermittent or Continuous RFI
  - Effective CM and DM Suppression for Most FCC VDE Requirements Down to 150kHz
  - Available in Stud and Quick Connect Terminal Versions

### F1760 Simplified Schematic

![F1760 Simplified Schematic](image)

### F1770 Simplified Schematic

![F1770 Simplified Schematic](image)
F1780 Simplified Schematic

F1760/F1770/1780AA
(3, 6, and 10Amp) Dimensions

<table>
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<th>Amps</th>
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F1760/F1770/1780 (20Amp Only) Dimensions