Corcom
EMI/RFI Filter Product Overview

TE Connectivity offers over 300 solutions for EMI/RFI problems associated with susceptibility, as well as compliance with international emissions standards. Corcom filters are available in a wide range of single and 3-phase designs as well as IEC inlet and power entry modules which can combine several functions to reduce cost, space and labor. Solutions are also available for DC applications and applications requiring extremely high performance with feedthrough filters and capacitors for a wide range of applications.
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<th>FILTER TYPE</th>
<th>POWER LINE FILTERS</th>
<th>K Series</th>
<th>DK Series</th>
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<td>SERIES</td>
<td>B Series</td>
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<td>PERFORMANCE</td>
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<td>Approvals</td>
<td>UL / CSA / VDE</td>
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<td>UL / CSA / VDE</td>
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<tr>
<td>Features</td>
<td>General purpose RFI Filters for high impedance load / low current</td>
<td>General purpose RFI power line filters for high impedance loads</td>
<td>Enhanced differential mode performance K Series RFI line filters</td>
</tr>
<tr>
<td></td>
<td>• General purpose</td>
<td>• Well suited to applications where pulsed, continuous and/or intermittent RFI interference is present</td>
<td>• Higher performance line to line attenuation than the K Series</td>
</tr>
<tr>
<td></td>
<td>• Wide variety of termination options</td>
<td>• EK models meet the very low leakage current requirements for VDE portable equipment and non-patient care medical equipment</td>
<td>• E version meets the very low leakage current requirements for VDE portable equipment and non-patient care medical equipment</td>
</tr>
<tr>
<td></td>
<td>• Meets low leakage current requirements of VDE portable equipment and non-patient medical equipment</td>
<td>• Available with ground line inductor (choke)</td>
<td>• V version features same high performance with more cost-effective design</td>
</tr>
</tbody>
</table>

| ELECTRICAL PARAMETERS | | | |
|-----------------------|---------|---------|
| Max. voltage          | 250 VAC | 250 VAC | 250 VAC |
| Current Ratings       | 1, 2, 3, 5, 10, 20 or 30A | 1, 2, 3, 5, 10, 20, 30, 40 or 60A | 1, 3, 6, 10 or 20A |
| Leakage current each Line to Ground @ 120VAC 60Hz / 250VAC 50Hz | VB Models: .4 mA / .7 mA | VK Models: .5 mA / 1.0 mA | VDK Models: .4 mA / .7 mA |
|                       | EB Models: .21 mA / .36 mA | EK Models: .21 mA / .36 mA | EDK Models: .22 mA / .38 mA |
| Electrical Setup      | Single stage | Single stage | Dual stage |

| MECHANICAL PARAMETERS | | | |
|-----------------------|---------|---------|
| Mounting features     | Screw mounting | Screw mounting (flange or panel) | Screw mounting |
| Termination inputs    | .25 [.6] spade terminals, 8-32 terminal bolt & nut or wire leads | .25 [.6] spade terminals, 8-32 terminal bolt & nut, wire leads or IEC 60320-1 C14 or C20 | .25 [.6] spade terminals, 8-32 terminal bolt & nut or wire leads |
| Termination outputs   | .25 [.6] spade terminals, 8-32 terminal bolt & nut or wire leads | .25 [.6] spade terminals, 8-32 terminal bolt & nut or wire leads | .25 [.6] spade terminals, 8-32 terminal bolt & nut or wire leads |

| TYPICAL APPLICATIONS | | |
|----------------------|---------|
| Wide band RFI suppression for applications requiring low attenuation including: | Universal filter for applications requiring mid-range attenuation including: |
| • HVAC | • TV / Audio / Video |
| • TV / Audio / Video | • Computing & accessories |
| • Computing & accessories | • Home appliances |
| • Home appliances | • Medical equipment |
| • Medical equipment | • Gaming machines |
| • Battery charging systems | • Exercise equipment |
| • Exercise equipment | • Test measurement equipment |

Wide band RFI suppression for applications requiring low attenuation including:
• HVAC
• TV / Audio / Video
• Computing & accessories
• Home appliances
• Medical equipment
• Battery charging systems
• Exercise equipment

Universal filter for applications requiring mid-range attenuation including:
• TV / Audio / Video
• Computing & accessories
• Home appliances
• Medical equipment
• Gaming machines
• Exercise equipment
• Test measurement equipment

Universal filter for applications requiring improved attenuation including:
• TV / Audio / Video
• Computing & accessories
• Home appliances
• Medical equipment
• Gaming machines
• Exercise equipment

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### POWER LINE FILTERS (Continued)

#### R Series
- **Two-stage general purpose RFI power line filter**
  - Dual T section RFI filter provides premium performance
  - Well suited for low impedance loads where noisy RFI environments are present
  - Controls pulsed, continuous and/or intermittent interference
  - ER model offers low leakage current without deterioration of insertion loss

#### EBP, EDP, EOP Series
- **General Purpose**
- **Low leakage current**
- **Cost-effective**
- **Compact size**
- **EDP model features enhanced differential mode performance**
- **EBP model features compact size (less than 1” square)**

#### WG Series
- **Single stage**

#### X, Y & Z Series
- **Single stage**

<table>
<thead>
<tr>
<th>Filter Type</th>
<th>250 VAC</th>
<th>1, 2, 3, 5, 10 or 20A</th>
<th>1, 3, 6 or 10A</th>
<th>16A</th>
<th>1, 2, 3, 4 or 6A</th>
</tr>
</thead>
<tbody>
<tr>
<td>VR Models:</td>
<td>.4 mA / .7 mA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ER Models:</td>
<td>.21 mA / .36 mA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDP/EOP Models:</td>
<td>.22 mA / .38 mA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EBP Models:</td>
<td>.13 mA / .21 mA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A, B &amp; C Models:</td>
<td>.76 mA / 1.27 mA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D, E &amp; F Models:</td>
<td>.10 mA / .20 mA</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

#### Universal filter for applications with low impedance loads including:
- Motors
- Semiconductor actuators
- Home appliances
- Gaming machines
- Exercise equipment
- Security systems
- Industrial equipment & controls

#### Designed for PCB mounting for a wide range of applications including:
- Gaming machines
- Cash terminals
- Office equipment
- Small consumer electronics
- TV / Audio / Video
- Computing & accessories

#### Specially designed for the white goods / appliance market. Offers wide band RFI suppression for many applications including:
- Washing machines / dryers
- Dishwashers
- Refrigerators & freezers
- Coffee Machines
- Hand held appliances & tools
- Ovens & ranges

#### RFI filter designed to bring most digital equipment (including those with switching power supplies) into compliance with EN55022, Level A or B and FCC Part 15J, Class B conducted emission limits. Ideal for all applications with limited space including:
- Switching Power Supplies
- Industrial single phase applications
## FILTER TYPE

<table>
<thead>
<tr>
<th>SERIES</th>
<th>S, V &amp; W Series</th>
<th>G &amp; N Series</th>
<th>SB Series</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POWER LINE FILTERS</strong> (Continued)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


### PERFORMANCE

<table>
<thead>
<tr>
<th>Approvals</th>
<th>UL / CSA / VDE</th>
<th>UL / CSA / VDE</th>
<th>UL / CSA / VDE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Features</strong></td>
<td>Multipurpose Power Line RFI Filter for Emission Control</td>
<td>High Performance RFI Filters for Switching Power Supplies For increased filtering requirements</td>
<td>High Performance B Series RFI Line Filters</td>
</tr>
<tr>
<td></td>
<td>• Effective when used to control emissions in equipment using SCR and T2L circuits</td>
<td>• Designed to provide excellent attenuation for most digital electronics equipment and help comply with EN55022 Level A and FCC Part 15J Class B</td>
<td>• Enhanced performance version of our popular B Series of RFI line filters</td>
</tr>
<tr>
<td></td>
<td>• S &amp; W Series designed for high impedance frequencies</td>
<td>• Broad frequency range of performance from 20kHz to 30MHz</td>
<td>• Small size with enhanced performance</td>
</tr>
<tr>
<td></td>
<td>• V Series designed for low impedance frequencies</td>
<td>• Size and cost-effective solution</td>
<td>• 30A version half the size of other 30A filters</td>
</tr>
<tr>
<td></td>
<td>• Medical version available in the MV Series</td>
<td></td>
<td>• Low leakage version available</td>
</tr>
</tbody>
</table>

### ELECTRICAL PARAMETERS

<table>
<thead>
<tr>
<th>Max. voltage</th>
<th>250 VAC</th>
<th>250 VAC</th>
<th>250 VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Ratings</td>
<td>3, 6, 10, 20 &amp; 60A (60A S Series only)</td>
<td>6 &amp; 10A</td>
<td>6, 10, 20 &amp; 30A</td>
</tr>
<tr>
<td>Leakage current each Line to Ground @ 120VAC 60Hz / 250VAC 50Hz</td>
<td>.4 mA / .7 mA (S Series 3-10A)</td>
<td>.3 mA / .5 mA (EG models)</td>
<td>.75 mA / 1.25 mA (VSB models)</td>
</tr>
<tr>
<td></td>
<td>.75 mA / 1.25 mA (S Series 60A)</td>
<td>1.2 mA / 2.0 mA (VG &amp; N models)</td>
<td>.22 mA / .36 mA (ESB models)</td>
</tr>
<tr>
<td></td>
<td>.5 mA / .82 mA (V &amp; W Series)</td>
<td>.07 mA / .13 mA (MV Series)</td>
<td></td>
</tr>
</tbody>
</table>

### MECHANICAL PARAMETERS

<table>
<thead>
<tr>
<th>Mounting features</th>
<th>Screw mounting</th>
<th>Screw mounting</th>
<th>Screw mounting</th>
</tr>
</thead>
</table>

### TYPICAL APPLICATIONS

- Multipurpose power line RFI filter for emission control and high noise industrial environments and applications that require compliance with FCC Part 15, Subpart J and EN55022, Level A, down to 150kHz including:
  - Consumer electronics
  - Small machine tools
  - Food service equipment
  - Measurement & Instrumentation
- Specifically designed for most digital electronic equipment requiring a high range of symmetric and asymmetric attenuation including:
  - Switching power supplies
  - Motor drives
  - Small machine tools
  - Industrial single-phase applications
- Wide band RFI suppression for applications requiring enhanced performance including:
  - TV / Audio / Video
  - Computing & accessories
  - Home appliances
  - Medical equipment
  - Gaming machines
  - Exercise equipment

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**POWER LINE FILTERS (Continued)**

<table>
<thead>
<tr>
<th>SK Series</th>
<th>RK Series</th>
<th>EMC Series</th>
<th>IK Series</th>
</tr>
</thead>
</table>

**High Performance K Series RFI Line Filters for SMPS Emission Control**
- Designed to reduce conducted noise to acceptable limits for equipment that must comply with FCC / EN specifications
- Utilizes significantly higher element values than the general purpose K Series
- ESK6C and VSK6C incorporate separate ground circuit inductors

<table>
<thead>
<tr>
<th>Power Line Filter</th>
<th>Compact</th>
<th>Single stage</th>
<th>Significant differential mode performance</th>
<th>Suitable for industrial machinery</th>
<th>Low input leakage current makes it suitable for portable equipment</th>
</tr>
</thead>
</table>

**Compact and Cost-effective Dual Stage RFI Power Line Filters**
- Compact dual stage filter series
- Current rating up to 30A
- High differential mode attenuation in the lower frequency range
- High common mode performance
- Ideal for switching mode power supplies

<table>
<thead>
<tr>
<th>Power Line Filter</th>
<th>250 VAC</th>
<th>3, 6, 10, 15 &amp; 20 A</th>
<th>.21 mA / .43 mA (3-10A models)</th>
<th>.73 mA / 1.52 mA (15-30A models)</th>
<th>.06 mA / 1.2 mA* (1 &amp; 6A models)</th>
<th>1.7 mA / 3.2 mA* (6-50A models)</th>
<th>5.2 mA / 9.9 mA* (80A model)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single stage</td>
<td>Screw mounting</td>
<td>Screw mounting</td>
<td>Screw mounting</td>
<td>Screw mounting</td>
<td>Screw mounting</td>
<td>Screw mounting</td>
<td>Screw mounting</td>
</tr>
</tbody>
</table>

**IK Series**
- Wide Range Performance
- Single and 2-phase RFI Filters for Industrial Applications
- Excellent performance for applications with high interference levels
- Designed for single or two-phase applications
- Available touch safe terminals provide easy connections and prevent inadvertent contact

<table>
<thead>
<tr>
<th>Power Line Filter</th>
<th>Wide band RFI suppression for applications requiring high attenuation level including:</th>
<th>Wide band RFI suppression for applications requiring high attenuation levels including:</th>
<th>Wide band RFI filter for small to medium sized industrial equipment, power converters and variable speed motors. Provides suppression of industrial 2-phase applications with high RFI emissions including:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal filter</td>
<td>Consumer electronics, Industrial machinery equipment, Small machine tools, Home appliances, Power supplies</td>
<td>Consumer electronics, Single phase industrial equipment, Inverters, Switching power supplies</td>
<td>Transportation vehicles, Site applications, Small construction machinery</td>
</tr>
</tbody>
</table>

* 1A @ 289 VAC, 16-80A @ 277 VAC 50Hz
FILTER TYPE  | POWER LINE FILTERS  
--- | ---  
SERIES  | Q Series  | FC Series  | EP & VP Series  

PERFORMANCE  

**Approvals**  
UL / CSA / VDE  
UL / CSA / VDE *  
UL / CSA / VDE  

**Features**  
Highest Performance RFI Filters for Switching Power Supplies  
- High attenuation for common and differential mode interference  
- Effective from 10kHz to 30MHz  
- Optimized for attenuation and size  
- 3 or 6A versions available with IEC inlet  
- Medical version available in the HQ Series  

Single Phase Power Line Filter for Frequency Converters  
- Designed for frequency inverters and variable speed motor drives  
- Suitable for electronically noisy environments  
- Protects programmable logic controllers from RF noise on the AC power line  
- Touch safe terminals  

Dual Stage RFI Power Line Filters for Switching Mode Power Supplies  
- Dual stage filter offers high insertion loss  
- Well suited for meeting CISPR 22 A and FCC Part 15J, Class B  
- EP model meets very low leakage current requirements  
- 7 and 12A versions offer optimum package size  

**Electrical Setup**  
- Dual stage (medical versions without y-capacitors)  
- Single stage (B suffix)  
- Dual stage (no suffix)  

**Mounting features**  
- Screw mounting (flange or panel)  
- Screw mounting  
- Screw mounting (flange or panel)  

**Termination inputs**  
- .25 [6.3] spade terminals, wire leads or IEC 60320-1 C14  
- DIN type terminals  
- .25 [6.3] spade terminals, wire leads, terminal bolt & nut, or IEC 60320-1 C14  

**Termination outputs**  
- .25 [6.3] spade terminals or wire leads  
- DIN type terminals  
- .25 [6.3] spade terminals, wire leads, or terminal bolt & nut  

**Electrical Parameters**  
- Max. voltage  
- 250 VAC  
- 250 VAC  
- 250 VAC  
- Current Ratings  
- 3, 6 & 20A  
- 6 & 10A  
- 3, 6, 7, 10, 12 & 20A  
- Leakage current each Line to Ground @ 120VAC 60Hz / 250VAC 50Hz  
- .73 mA / 1.27 mA (3 & 20A VQ models)  
- .22 mA / .38 mA (3 & 20A EQ models)  
- .29 mA / .51 mA (6A EQ models)  
- 3.9 mA / 7.0 mA (B suffix, single stage)  
- 3.8 mA / 6.7 mA (no suffix, dual stage)  
- .73 mA / 1.27 mA (VP models)  
- .21 mA / .36 mA (EP models)  

**Mechanical Parameters**  

**TYPICAL APPLICATIONS**  
- Trouble shooter for wide banded RFI suppression of applications with very high RFI emissions including:  
  - Consumer electronics  
  - Single phase industrial applications  
  - Switching power supplies with transient currents  
  - HVAC  
- Wide band RFI suppression of industrial single phase applications with very high RFI emissions including:  
  - Drives with long motor-cables  
  - Variable speed motor drive applications  
- Wide band attenuation for applications with very high RFI emissions. This filter series offers excellent attenuation for applications such as:  
  - Consumer electronics  
  - Single phase industrial applications  
  - Drive motors and controllers  

* VDE approvals for dual stage models up to 36A only  

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## POWER LINE FILTERS (continued)

### T Series
- **Superior Performance**
  - High Performance RFI Power Line Filters for Switching Power Supplies
    - Superior common-mode and premium differential-mode attenuation
    - Smaller package sizes than the EP Series
    - ET models with low leakage current
    - Medical versions available in the HT Series

### AQ Series
- **General & High Purpose**
  - High Frequency Power Line Filter or Power Entry Module
    - High common and differential mode performance from 10kHz to 1GHz
    - Available with an IEC inlet, fuseholder and switch
    - Suitable for applications where computers are used to process secret or confidential information

### DA, DB, DC and DCP Series
- **Superior Performance**
  - DC filters available in a wide variety of versions for DC system RFI issues
    - DA Series - Compact RFI Line Filter with DC Inlet Connection
    - DB Series - High Current DC Inlet Filter and Connectors
    - DC Series - General purpose line filters for DC applications up to 125VDC with many options
    - P Series - adaptable power entry module for DC rated applications

### FFA, FFD, AFC, AFD Series
- **General & High Purpose**
  - AC & DC rated feedthrough filters and capacitors for highest rated performance
    - FFA (AC rated) & FFD (DC rated) feedthrough filters
    - AFC (AC rated) & AFD (DC rated) feedthrough capacitors
    - Offers high reliability & performance for high frequency applications
    - Custom versions available

### Specifications
- **250 VAC**
  - 3, 6, 10, 15 & 20A
  - .3 mA / .5 mA (ET models)
  - .75 mA / 1.2 mA (VT models)

- **125 VDC**
  - 3, 6, 10, 15 & 20A (DA Series)
  - 60A (DB Series), 3 & 6A (P Series)
  - 15, 30, 60, 100 & 125A (DA Series)

- **250 VAC / 130 VDC**
  - 10 to 300A (FFA/AFC/DFC)
  - 10 to 200A (FFD)

### Mounting Options
- **Screw mounting**
  - .25 [6.3J] spade terminals, wire leads, terminal bolt & nut, or IEC 60320-1 C14
  - Spade terminals, PCB pins, wire leads, DA or DCB connector, or terminal bolt & nut

### Applications
- Wide band attenuation for applications with very high RFI emissions including:
  - Consumer electronics
  - Single phase industrial applications
  - Drive motors and controllers
  - Commercial & building equipment

- Ideal filter series for hardened applications where computers are used to process secret or confidential information.
  - Network routing equipment
  - Servers
  - Switching equipment
  - Wireless cabinets
  - Ethernet hubs
  - Base stations
  - Repeater stations
  - Power supplies for all types of communications equipment
  - Universal applications including:
    - Servers and routers
    - Base stations
    - Transportation
    - Telecom
    - MRI rooms
    - High current switch mode power supplies
    - Military and aerospace
### FILTER TYPE: 3-PHASE FILTERS

#### SERIES
- AYO Series
- AYA Series
- A Series

#### PERFORMANCE

<table>
<thead>
<tr>
<th>Approvals</th>
<th>General &amp; High Purpose</th>
<th>Wide Range Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL / CSA / VDE</td>
<td>UL Recognized²</td>
<td>UL / CSA / VDE</td>
</tr>
</tbody>
</table>

#### Features

- **Compact Low Current 3-phase WYE RFI Filters**
  - For 3-phase, four wire, WYE applications
  - Filters each of the three lines plus neutral
  - Good for attenuation beginning at 100kHz
  - Space saving design
  - Low leakage current

- **3-phase WYE RFI Power Line Filters**
  - For 3-phase, four wire, WYE applications
  - Cost-effective, universal 3-phase filters
  - Good attenuation over the complete frequency range of 10kHz to 30MHz
  - Two different mounting styles available

- **High Performance 3-phase RFI Filters for WYE Applications**
  - Common mode and differential mode suppression from 50kHz to 30MHz
  - Optional end bell kits available to shield input and output terminals
  - AYP single stage for lower noise environments
  - AYT dual stage provides highest performance

#### ELECTRICAL PARAMETERS

<table>
<thead>
<tr>
<th>Max. voltage</th>
<th>440 VAC Phase to Phase 250 VAC Phase to Neutral / Ground</th>
<th>440 VAC Phase to Phase 250 VAC Phase to Neutral / Ground</th>
<th>440 VAC Phase to Phase 250 VAC Phase to Neutral / Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Ratings</td>
<td>3, 6, 10 &amp; 20A</td>
<td>16, 25, 36, 50, 63 &amp; 100A</td>
<td>20, 30, 45 &amp; 60A</td>
</tr>
<tr>
<td>Leakage current each Line to Ground</td>
<td>2.0 mA / 3.0 mA (3 - 10A models) 3.5 mA / 5.5 mA (20A models) @ 120 VAC 60Hz / 250 VAC 50Hz</td>
<td>1.62 mA / 2.82 mA @ 120 VAC 60Hz / 250 VAC 50Hz</td>
<td>1.4 mA / 3.4 mA @ 120 VAC 60Hz / 250 VAC 50Hz</td>
</tr>
</tbody>
</table>

#### Electrical Setup

- Single stage

#### MECHANICAL PARAMETERS

- **Mounting features**
  - Screw mounting (flange or panel)
  - Screw mounting (flange or inserts)
  - Screw mounting (inserts)

- **Termination inputs**
  - .25 [6.3] spade terminals
  - Terminal bolt & nut or DIN type terminals

- **Termination outputs**
  - .25 [6.3] spade terminals
  - Terminal bolt & nut or DIN type terminals

#### TYPICAL APPLICATIONS

- **AYO Series**
  - Wide band RFI suppression for general purpose 3-phase applications with low to middle RFI emissions including:
    - Vending machines
    - Food service equipment
    - Gaming machines
    - Small machine tools

- **AYA Series**
  - Universal filter series equipped with 2 different connecting versions including:
    - Uninterruptible power supplies
    - Industrial control systems
    - Machine tools

- **A Series**
  - Wide band RFI suppression for industrial 3-phase applications with high noise emissions (AYP models) and lower noise emissions (ATY models) including:
    - Large machine tools
    - Customer machinery
    - Input filter for motor drives

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² All models except 16AYA10, 30AYA10, 63AYA6, 63AYA6A and 100AYA6A
<table>
<thead>
<tr>
<th>3-PHASE FILTERS</th>
<th>FCD Series</th>
<th>BCF Series</th>
<th>AYC Series</th>
<th>ADT Series</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3-phase Delta External Power Line Filter for Frequency Converters</strong></td>
<td>Compact 3-phase Delta RFI Filters for Universal Applications</td>
<td>3-phase WYE RFI Power Line Filters for High Noise Applications</td>
<td>High Performance High Current 3-phase Delta RFI Filters</td>
<td></td>
</tr>
<tr>
<td>• Very high attenuation &amp; high insertion loss</td>
<td>• Compact, light weight book-form design</td>
<td>• For 3-phase, four wire, WYE applications</td>
<td>• Designed for very high insertion loss for Delta three phase, three wire applications</td>
<td></td>
</tr>
<tr>
<td>• BS models optimized for very high insertion loss</td>
<td>• Insulated, high quality safety terminals for input and output</td>
<td>• Very high attenuation with low leakage current</td>
<td>• Available with common or differential mode coils</td>
<td></td>
</tr>
<tr>
<td>• BS models suitable for infeed/regenerative (ER) applications</td>
<td>• Good common and differential mode performance below 100kHz</td>
<td>• Ideal for EMC troubleshooting and refurbishing in the field</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Touch safe terminals provide easy connections and prevent inadvertent contact for safety</td>
<td>• Touch safe terminals provide easy connections and prevent inadvertent contact for safety</td>
<td>• Touch safe terminals provide easy connections and prevent inadvertent contact for safety</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>480 VAC Phase to Phase</strong></td>
<td><strong>480 VAC Phase to Phase</strong></td>
<td><strong>480 VAC Phase to Phase</strong></td>
<td><strong>480 VAC Phase to Phase</strong></td>
<td></td>
</tr>
<tr>
<td><strong>277 VAC Phase to Neutral / Ground</strong></td>
<td><strong>277 VAC Phase to Neutral / Ground</strong></td>
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<td></td>
</tr>
<tr>
<td>6 to 230A</td>
<td>7 to 130A</td>
<td>16 to 200A</td>
<td>63, 100, 160 &amp; 200A</td>
<td></td>
</tr>
<tr>
<td>Varies from .26 mA/V for 6A model to 3.25 mA/V for FCD10BS models (refers to catalog or website for full ratings voltage drop to virtual N to PE/V)</td>
<td>30 mA @ 277 VAC 50Hz</td>
<td>Varies from 62 / 106 mA/V for 16A to 111 / 192 mA/V for 200A model (refers to catalog or website for full ratings)</td>
<td>1.3A (ADT6) @ 277VAC 60Hz</td>
<td></td>
</tr>
<tr>
<td><strong>Single stage (B suffix models) &amp; Dual stage (blank suffix models)</strong></td>
<td>Single stage</td>
<td>Single stage</td>
<td>Single stage with feedthrough capacitors</td>
<td></td>
</tr>
<tr>
<td><strong>Screw mounting (flange)</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>DIN type terminals</strong></td>
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<td></td>
</tr>
</tbody>
</table>

Wide band RFI suppression for industrial 3-phase applications with very high RFI emissions including:
- Machine tools
- Elevators & escalators
- Frequency converters
- Industrial cabinets

Specially suited for regeneration systems of returning power. Wide banded RFI suppression for industrial 3-phase applications with very high RFI emissions including:
- 3-phase inverters & converters
- Variable speed motor drives
- Process automation equipment
- Elevators & escalators
- Machine tools

Wide band RFI suppression for WYE applications with very high RFI emissions including:
- Frequency converters with very long motor cables
- Machine tools

Ideal for industrial 3-phase applications with extremely high noise emissions including:
- High current motor drives
- Spot-welding machines
- Any difficult application with very difficult noise suppression

² All models except 200AYC10B
<table>
<thead>
<tr>
<th>FILTER TYPE</th>
<th>POWER ENTRY MODULES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERIES</td>
<td>SRB Series</td>
</tr>
<tr>
<td></td>
<td>EEJ Series</td>
</tr>
<tr>
<td></td>
<td>C Series</td>
</tr>
</tbody>
</table>

## ELECTRICAL PARAMETERS

<table>
<thead>
<tr>
<th>PERFORMANCE</th>
<th>General Purpose</th>
<th>Wide Range Performance</th>
<th>Power Entry Module with Switch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approvals</td>
<td>UL / CSA / VDE*</td>
<td>UL / CSA / VDE</td>
<td>UL / CSA / VDE*</td>
</tr>
<tr>
<td>Features</td>
<td>Minimum Depth, Cost-effective Shielded Power Inlet Filter</td>
<td>Cost-effective Medium Performance Power Inlet Filter Including the EJH/EJHS, EJM/EJMS and EJS Models</td>
<td>Power Entry Module with Switch</td>
</tr>
<tr>
<td></td>
<td>• Wide range of capacitor values</td>
<td>• Enhanced two element circuit provides medium attenuation to 30MHz</td>
<td>• Two function power entry module combining a DPST switch and an IEC 60320-1 inlet</td>
</tr>
<tr>
<td></td>
<td>• Attenuates coupled EMI up to 300MHz</td>
<td>• EJH &amp; EJHS models feature minimal leakage current suitable for patient contact medical applications</td>
<td>• Snap-in or flange mounting</td>
</tr>
<tr>
<td></td>
<td>• Minimal to low leakage current versions are suitable for patient and non-patient contact medical equipment.</td>
<td>• EJM &amp; EJMS models feature low leakage current, suitable for most medical applications</td>
<td>• Available with or without a shielded general purpose or medical grade filter</td>
</tr>
<tr>
<td></td>
<td>• Full range of mounting and termination options including unique vertical and horizontal orientation slide in mounts eliminate the need for mounting hardware</td>
<td>• EJS models feature EEJ performance in snap-in mounting</td>
<td>• Two element circuit provides enhanced EMI attenuation</td>
</tr>
</tbody>
</table>

- **Max. voltage:** 250 VAC
- **Current Ratings:** 15A*
- **Leakage current each Line to Ground @ 120VAC 60Hz / 250VAC 50Hz:** Varies by model from .2 µA to .24mA refer to catalog or website for full ratings
- **Electrical Setup:** Capacitive, 8 options available values from 33pF to 3300pF
- **Mounting features:** Screw and snap-in mounting
- **Termination inputs:** IEC 60320-1 C14
- **Termination outputs:** .25 [6.3] spade terminals, wire leads or PC board pins

## MECHANICAL PARAMETERS

- **Termination outputs:** .25 [6.3] spade terminals, wire leads or PC board pins
- **Wide range RFI suppression for any application with very limited space for the suppression unit including:**
  - TV / Audio / Video
  - Computing & accessories
  - Home appliances
  - Consumer electronics
- **TYPICAL APPLICATIONS**

*15A versions are tested by UL to US and Canadian requirements and are VDE approved at 10A

*ISA versions are tested by UL to US and Canadian requirements and are VDE approved at 10A

![Corcom Filter Products](corcom.com)
### Compact I/U Height Switched Power Entry Module
- Designed for popular I/U (1 ¾") height rack mounted equipment
- Two function power entry module combining a SPST switch and an IEC 60320-1 inlet
- Snap-in, flange and flush mounting
- Reduce OEM wiring time with optional pre-connected line and switch terminals

### General Purpose
- **250 VAC**
- 1, 3, 6, 10 or 15A*
- Filtered models: .25 mA / .40 mA
- Non-filtered models: 2 µA / 5 µA

### Superior Performance
- **250 VAC**
- 1, 3, 6, 10 or 15A*
- Filtered models: .25 mA / .40 mA
- Non-filtered models: 2 µA / 5 µA

### Specially Designed Features
- Wide band RFI suppression for applications with very limited space including:
  - TV / Audio / Video
  - Home appliances
  - Medical equipment
  - Gaming equipment
  - Fitness equipment

### High Performance Power Inlet Filter
- Superior EMI filter with IEC 60320-1 inlet
- Double three element differential mode circuit attenuates noise up to 1GHz
- Up to 15A with IEC 60320-1 C14
- 20A rating with IEC 60320-1 C20
- Spade terminals or wire leads

---

*
*15A versions are tested by UL to US and Canadian requirements and are VDE approved at 10A
FOR MORE INFORMATION

corcom.com

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Netherlands: +31 (0) 73-6246-999
China: +86 (0) 400-820-6015

Part numbers in this brochure are RoHS Compliant*, unless marked otherwise.
*as defined www.te.com/leadfree