



RP RADIUS
POWER

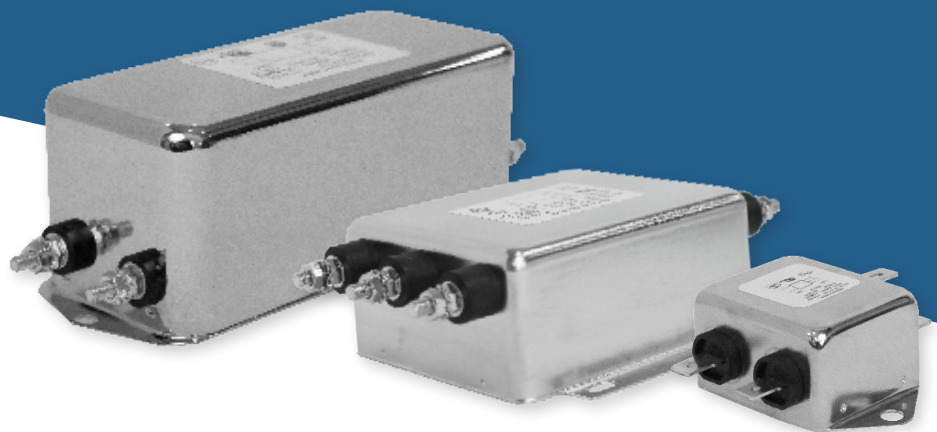


FILTER
CONCEPTS INC.

EMI FILTERS SOLUTIONS

GLOBALLY RECOGNIZED RELIABLE SOLUTIONS WITH UNMATCHED
ENGINEERING SUPPORT

AUGUST 2020



ASTRODYNE TDI
WWW.ASTRODYNETDI.COM
(908) 850-5088

ENGINEERED SOLUTIONS FOR DEMANDING APPLICATIONS.



Astrodyne TDI specializes in the design and manufacture of standard and custom EMI filters. With over 60 years of experience supporting professional-grade appliances, military and aerospace, commercial, industrial, and medical applications, our team has the expertise necessary to ensure compliance and expedite product release. We are committed to providing first class in-house and on-site services while investing in R&D and continuously improving to maintain our support as global industry leader.

Astrodyne TDI utilizes the combined power of our three brands—**LCR Electronics**, **Radius Power**, and **Filter Concepts**—to provide a full spectrum of standard products ranging from 1A to 2,500A across commercial, medical, industrial and military applications. In addition, we offer custom designed EMI power line filters and integrated modules to meet the exact specifications and application needs.

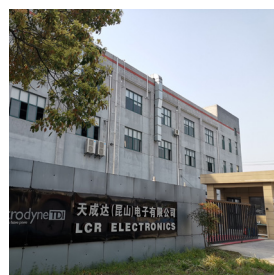
Astrodyne TDI operates three state-of-the-art EMI test facilities to conduct pre-compliance testing for our customers' products at no charge. Our design and compliance engineering teams provide expert support to bring our customers' equipment into compliance, and to market quickly and efficiently.



HACKETTSTOWN, NJ



ANAHEIM, CA



KUNSHAN, CHINA

EMI FILTER SOLUTIONS

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WE BUILD SINGLE-PHASE EMI FILTER SOLUTIONS

Astrodyne TDI provides a full selection of standard **Single-Phase EMI filters** ranging from 1A to 200A. Single-phase filters are available in varying leakage current versions with multiple lines of standard products to meet general purpose, as well as medical and military requirements. Our team will modify these standard products as needed to meet your unique application needs.

Single-phase EMI Filters suppress the electromagnetic noise generated by a wide range of appliances and equipment. With the help of our experienced team and comprehensive product line, you can be assured of finding the perfect EMI filter solution for your application.

CUSTOM SOLUTIONS

If you can't find what you're looking for in our catalog, we also offer fully custom products for many industries and applications.

Custom solutions are designed to meet your exact specifications and provide compliance to both industry standards and international EMI regulations. Contact Astrodyne TDI for more information.



APPLICATIONS OF SINGLE-PHASE FILTERS

- ✓ Exercise Equipment
- ✓ Food Service Equipment
- ✓ PWM Circuits
- ✓ Home Appliances
- ✓ Power Supplies
- ✓ Induction Cooking Equipment
- ✓ Motor Controllers
- ✓ Industrial Lighting
- ✓ Microwave Ovens
- ✓ Gaming Machines
- ✓ Medical Equipment
- ✓ HVAC
- ✓ Ultrasonic Cleaners

FEATURES

- Thousands of agency certified standard products
- Free Pre-Compliance Testing
- Unmatched engineering support
- Top-quality solutions designed to the highest safety and reliability standards

SINGLE-PHASE EMI FILTER SERIES

| FILTER SERIES | DESCRIPTION | CURRENT RATINGS |
|-------------------------------------|--|-----------------|
| DSC1000-1 DSC1000-3 DSC1000-4 | High Performance Dual Stage Power Line Filters | 16A |
| DSC1000-5 | High Performance Single Stage Power Line Filters | 16A |
| DSC2000 | High Performance Dual Stage Power Line Filters | 20A |
| LCR055 | High Differential Mode Performance Single Phase EMI Filters | 3A - 20A |
| LCR090 | Single Phase Single Stage General Purpose EMI Filters | 1A - 40A |
| LCR091 | High Performance Single Phase Single Stage General Purpose EMI Filters | 1A - 40A |
| LCR0913 | High Voltage Single Phase Single Stage EMI Filters | 1A - 40A |
| LCR092/21 | High Performance Single Phase Dual Stage EMI Filters | 1A - 30A |
| LCR092/23 | High Performance Single Phase Dual Stage EMI Filters | 4A - 20A |
| LCR0923 | High Voltage Single Phase Dual Stage EMI Filters | 1A - 30A |
| RP100 | Compact Single Stage Power Line Filters | 3A - 10A |
| RP105 RP115 | Compact Single Stage Power Line Filters | 3A - 20A |
| RP110 | Compact Single Stage Power Line Filters | 3A - 30A |
| RP120 | Medium - High Performance Single Stage Power Line Filters | 10A - 50A |
| RP125 | High Performance Single Stage Power Line Filters | 30A - 80A |
| RP130 | High Performance Single Stage Power Line Filters | 3A - 40A |
| RP135 | High Performance Single Stage Power Line Filters | 1A - 200A |
| RP210 | Compact Dual Stage Power Line Filters | 3A - 16A |
| RP2180 | Ultra Compact Single Stage Power Line Filters | 1A - 10A |
| RP220 | High Performance Dual Stage Power Line Filters | 6A - 20A |
| RP225 | High Performance Dual Stage Power Line Filters | 3A - 20A |
| RP230 | High Performance Dual Stage Power Line Filters | 3.5A - 40A |
| RP240 | High Performance Dual Stage Power Line Filters | 6A - 150A |
| RP500 | EMI/Harmonics Dual Stage Power Line Filters | 10A |
| RPC1199 | Single Stage, GND Choke Power Line Filters | 20A - 30A |

General specifications: 120/250/300 VAC, ambient rating 40° C/50° C, 50/60 Hz operation. Consult individual datasheet for details and specific agency approvals.



WE BUILD THREE-PHASE EMI FILTER SOLUTIONS

Three-Phase EMI Filters reduce electromagnetic emissions from higher power applications to provide compliance with international standards. Choose from a range of voltages — including 480VAC, 520VAC and 600VAC — and current ratings up to 2500A.

Agency certified product lines are available in both **Delta and WYE** input configurations with a wide variety of filtering characteristics. Astrodyne TDI offers Three Phase power line filters, in Single, Dual and Multi-Stage designs, as well as higher current ratings and voltages upon request.

CUSTOM SOLUTIONS

If you can't find what you're looking for in our catalog, we also offer fully custom products for many industries and applications.

Custom solutions are designed to meet your exact specifications and provide compliance to both industry standards and international EMI regulations. Contact Astrodyne TDI for more information.



APPLICATIONS OF THREE-PHASE FILTERS

- ✓ Three-Phase Inverters & Frequency Converters
- ✓ Industrial Machine Tools
- ✓ Industrial Power Supplies & UPS
- ✓ Large Computer Servers
- ✓ MRIs and X-Ray Equipment
- ✓ Foodservice Equipment
- ✓ Elevators & Escalators
- ✓ Variable Frequency Drives
- ✓ Heating, Cutting, & Welding Equipment
- ✓ Laser Equipment
- ✓ High Current Rectifiers
- ✓ EV Chargers

FEATURES

- Thousands of agency certified standard products
- Free Pre-Compliance Testing
- Unmatched engineering support
- Top-quality solutions designed to the highest safety and reliability standards

THREE-PHASE EMI FILTER SERIES

| FILTER SERIES | DESCRIPTION | PAGE |
|---------------|---|--------------|
| LCR096 | General Purpose 3-Phase Delta Single Stage EMI Filters | 10A - 300A |
| LCR096B | Bookshelf 3-Phase Delta Single Stage Industrial EMI Filters | 7A - 180A |
| LCR096C | High Current High Performance 3-Phase Delta Single Stage EMI Filters | 250A - 800A |
| LCR097 | High Performance 3-Phase Delta Dual Stage EMI Filters | 10A - 300A |
| LCR098 | High Performance 3-Phase WYE Single Stage EMI Filters | 10A - 300A |
| RP300 | 3-Phase Delta Single Stage Power Line Filter | 25A - 500A |
| RP305 | 3-Phase Delta Single Stage Power Line Filter, Compact | 6A - 60A |
| RP310 | 3-Phase Delta Single Stage Power Line Filter, Ultra Compact | 6A - 20A |
| RP320 | 3-Phase Delta Dual Stage Power Line Filter | 15A - 300A |
| RP325 | | |
| RP327 | 3-Phase Delta Dual Stage Power Line Filter, Bookshelf | 7A - 250A |
| RP328 | 3-Phase Delta Single Stage Power Line Filter, Bookshelf | 7A - 180A |
| RP330 | 3-Phase Delta Dual Stage Power Line Filter | 10A - 250A |
| RP350 | 3-Phase Delta Compact Single Stage Power Line Filter | 20A - 100A |
| RP357 | 3-Phase Delta Multi-Stage Power Line Filter, High current, 600V | 150A - 2500A |
| RP359 | 3-Phase Delta Multi-Stage Power Line Filter, High Current | 150A - 2500A |
| RP360 | 3-Phase Delta Single Stage Power Line Filter, Compact | 20A - 60A |
| RP370 | 3-Phase Delta Compact Power Line Filter, High Current | 250A - 1000A |
| RP380 | 3 Phase, Delta Power Line Filter, 600V | 15A - 300A |
| RP400 | 3-Phase Wye Single Stage Power Line Filter | 15A - 300A |
| RP405 | 3-Phase Wye Single Stage Power Line Filter, Compact | 6A - 40A |
| RP410 | 3-Phase Wye Single Stage Power Line Filter, Ultra Compact | 6A - 20A |
| RP410HP | 3-Phase Wye Single Stage Power Line Filter, Ultra Compact, High Performance | 6A - 20A |
| RP415 | 3-Phase WYE Single Stage Power Line Filter, High Performance | 8A - 160A |
| RP420 | 3-Phase WYE Dual Stage Power Line Filter | 15A - 300A |
| RP425 | | |
| RP428 | 3-Phase WYE Dual Stage Power Line Filter | 8A - 600A |
| RP480 | 3-Phase WYE Single Stage Power Line Filter, 600 V | 15A - 300A |
| RPC1195 | 480 V, Dual Stage Power Line Filters | 20A - 30A |
| RPC1197 | 480 V, WYE Dual Stage 1U Power Line Filters | 20A - 30A |

General specifications: 480/520/600/690 VAC Delta or WYE configuration, ambient rating 50° C, 50/60 Hz operation. Consult individual datasheet for details and specific agency approvals.



WE BUILD DC EMI FILTER SOLUTIONS

Astrodyne TDI **DC EMI Filters** are designed to attenuate noise on DC input and output power lines. Astrodyne TDI DC EMI Filters are available with ratings up to 1200VDC and 2500A and are designed specifically for both power supply and inverter applications.

TYPICAL APPLICATIONS

Solar PV Inverters | Telecom | DC Decoupling
| EV Chargers | Military Ground Vehicle |
Aerospace



EMI FILTER SERIES

| FILTER SERIES | DESCRIPTION | PAGE |
|---------------|---|--------------|
| LCR052 | High Performance Single and Dual Stage DC EMI Filter | 8A - 30A |
| RP600 | High Performance DC Power Line Filters | 15A - 125A |
| RP600C | High Performance with Circuit Breaker DC Power Line Filters | 15A - 125A |
| RP605 | High Current DC Power Line Filters | 100A - 200A |
| RP610 | High Performance Single Stage DC Power Line Filters | 3A - 20A |
| RP615 | High Performance Dual Stage DC Power Line Filters | 3A - 20A |
| RP650 | High Performance Single Line Single Stage DC Power Line Filters | 3A - 20A |
| RP655 | High Performance Single Line Dual Stage DC Power Line Filters | 3A - 20A |
| RP680 | Compact High Current DC EMI Power Line Filters | 250A - 1000A |
| RP690 | High Voltage/High Current DC Power Line Filters | 50A - 500A |
| RP692 | High Voltage/High Current DC Power Line Filters | 25A - 2500A |
| RPC1158-50 | Compact Single Stage Power Line Filters | 50A |
| RPC1299-30 | 30 Amp Dual Stage PCB DC Power Line Filters | 30A |

General specifications: 48/100/250/600/1200 VDC, ambient rating 40°C/55°C/60°C. Consult individual datasheet for details and specific agency approvals.



WE BUILD IEC INLET EMI FILTER SOLUTIONS

IEC INLET EMI Filters are easy to install and provide a space-efficient solution for a wide range of electronic applications. Astrodyne TDI also offers integrated modules that include the EMI filter as well as a fuse holder (single or dual) and/or a switch.

TYPICAL APPLICATIONS

Computers | Communication Equipment | LCD TVs | Toys | Exercise Equipment | Medical Devices | Test & Measuring Equipment | Vent Hoods



EMI FILTER SERIES

| FILTER SERIES | DESCRIPTION | PAGE |
|---------------|--|-----------|
| LCR 080 | General Purpose Power Entry and Outlet Filters | 1A - 20A |
| LCR 081 | General Purpose Filtered Power Entry Modules with Fuse Holder | 1A - 10A |
| LCR 082 | General Purpose Filtered Power Entry Modules with Fuse Holder and Switch | 1A - 10A |
| LCR 083 | General Purpose Filtered Power Entry Modules with Double Fuse Holder | 1A - 10A |
| LCR 084 | General Purpose Filtered Power Entry Modules with Double Fuse Holder and Switch | 1A - 10A |
| LCR 085 | General Purpose Filtered Power Entry Modules with Switch | 1A - 10A |
| LCR 086 | High Performance General Purpose Power Entry Filters | 3A - 20A |
| LCR 088 | High Performance Double Stage Integrated EMI Filters with Self-Recovery Safety Fuse and Switch | 4A - 10A |
| RP180 | IEC Inlet Single Stage Power Line Filters | 15A - 20A |
| RP182CD | IEC Inlet Dual Stage Power Line Filter | 3A - 10A |
| RP182CS | IEC Inlet Single Stage Power Line Filter | 3A - 10A |
| RP184 | Filtered Power Entry Modules with Single or Dual Fuse | 1A - 10A |
| RP185 | High Performance IEC Inlet Single Stage Power Line Filters | 1A - 15A |
| RP186 | High Performance IEC Inlet Power Line Filters | 1A - 20A |
| RP187 | High Performance IEC Inlet Dual Stage Power Line Filters | 1A - 20A |
| RP188 | IEC Inlet Single Stage Power Line Filters | 3A - 10A |
| RP188H | High Performance Filtered Power Entry Modules with Dual Fuse and Switch | 3A - 10A |
| RP188HSN | High Performance Snap Mount Filtered Power Entry Modules with Dual Fuse and Switch | 3A - 10A |
| RP188SN | Snap Mount Filtered Power Entry Modules with Dual Fuse and Switch | 3A - 10A |

General specifications: 120/250 VAC, ambient rating 40°C, 50/60 Hz operation. Consult individual datasheet for details and specific agency approvals.



WE BUILD SNAP-IN EMI FILTER SOLUTIONS

Snap-In IEC Inlet & Power Entry Module EMI Filters are designed to simplify the implementation of an EMI/EMC suppression filter by allowing the product manufacturing team to easily 'clip on' the filter to reduce time of product assembly and improve overall lead times.

TYPICAL APPLICATIONS

Household Appliances | Small Medical Equipment | Electrical & Electronic Devices | Test & Measurement Equipment | Rack Mounted Equipment



EMI FILTER SERIES

| FILTER SERIES | DESCRIPTION | PAGE |
|---------------------------|--|----------|
| 080S(M)/080SV(M) | Snap-In Single Stage IEC Inlet Filter (Horizontal & Vertical Mounting) | 1A - 20A |
| 080SH(M)/080SVH(M) | Max Performance Snap-In Single Stage IEC Inlet Filter (Horizontal & Vertical Mounting) | 1A - 10A |
| 082S(M) | Snap-In Single Stage Filtered Power Entry Module with Single Fuse & Switch | 1A - 15A |
| 084S(M) | Snap-In Single Stage Filtered Power Entry Module with Dual Fuse & Switch | 1A - 15A |
| 085S(M) | Snap-In Single Stage Filtered Power Entry Module with Switch | 1A - 20A |



General specifications: 120/250 VAC, ambient rating 40°C, 50/60 Hz operation. Consult individual datasheet for details and specific agency approvals.



WE BUILD INVERTER EMI FILTER SOLUTIONS

Inverter AC and DC EMI Filters

are used for applications that have frequency inverters or inverter-based control systems. These compact filters reduce conducted emissions to help meet international EMC regulations.



TYPICAL APPLICATIONS

Solar | Grid-Tied | Transformerless & DC Decoupling

EMI FILTER SERIES

| FILTER SERIES | DESCRIPTION | PAGE |
|----------------|---|--------------|
| LCR096 | General Purpose 3-Phase Delta Single Stage EMI Filter | 10A - 300A |
| LCR096B | Bookshelf 3-Phase Delta Single Stage Industrial EMI Filter | 7A - 180A |
| LCR097 | High Performance 3-Phase Delta Dual Stage EMI Filter | 10A - 300A |
| RP240 | High Performance Dual Stage Power Line Filters | 6A - 150A |
| RP320 RP325 | 3-Phase Delta Dual Stage Power Line Filter | 15A - 300A |
| RP327 | 3-Phase Delta Dual Stage Power Line Filter, Bookshelf | 7A - 250A |
| RP328 | 3-Phase Delta Single Stage Power Line Filter, Bookshelf | 7A - 180A |
| RP330 | 3-Phase Delta Dual Stage Power Line Filter | 10A - 250A |
| RP357 | 3-Phase Delta Multi-Stage Power Line Filter, High current, 600V | 150A - 2500A |
| RP359 | 3-Phase Delta Multi-Stage Power Line Filter, High Current | 150A - 2500A |
| RP680 | Compact High Current DC EMI Power Line Filters | 250A - 1000A |
| RP690 | High Voltage/High Current DC Power Line Filters | 50A - 500A |
| RP692 | High Voltage/High Current DC Power Line Filters | 25A - 2500A |

General specifications: 120/250/300 VAC Single-Phase, 480/520/600/690 VAC 3-Phase Delta & Wye and 600/1200 VDC, ambient rating 50°C/55°C/60°C, DC/50/60 Hz operation. Consult individual datasheet for details and specific agency approvals.



WE BUILD FEED-THROUGH EMI FILTER SOLUTIONS

Feed-through EMI Filters provide high insertion loss from KHz to GHz frequencies. These filters are perfect for high-tech applications as they can provide both filtering and input-output isolation.

TYPICAL APPLICATIONS

Mobile Shelters | IT devices | Shielded Enclosures | Base Stations | Switching Equipment | Shielded Enclosures



EMI FILTER SERIES

| FILTER SERIES | DESCRIPTION | PAGE |
|---------------|----------------------|------------|
| LCR056 | Feed-Through Filters | 5A TO 300A |

General specifications: 250/275 VAC, 100/200/1000/2000 VDC ambient rating 50°/60° C , DC/50/60 Hz operation.
Consult individual datasheet for details and specific agency approvals.



WE BUILD FACILITY, MRI/SHIELDED ROOM EMI FILTER SOLUTIONS

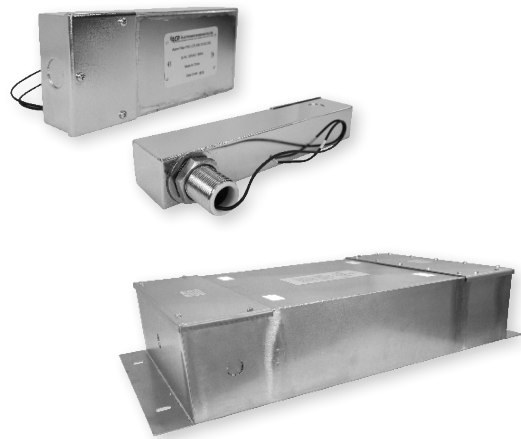
Facility and Shielded Room EMI

Filters are designed to isolate the shielded environment from external noise for both functional and security purposes. These filters comply with all the applicable requirements of MIL-PRF-15733, MIL-STD-810 and UL1283.

TYPICAL APPLICATIONS

MRI Rooms | Shielded Rooms/Enclosures |

Test Labs | Secure Facilities



EMI FILTER SERIES

| FILTER SERIES | DESCRIPTION | PAGE |
|---------------|---|-------------|
| LCR057/01 | 100 dB @14 KHz High Performance Shielded Room Filters | 10A - 250A |
| LCR057/02 | 100 dB @150 KHz High Performance Shielded Room Filters | 10A - 250A |
| LCR058/058E | Telephone Line, Data Line and Control Line Filters | 0.5A - 5A |
| LCR059 | MRI Room Power Line Filters | 1A - 50A |
| LCRF | Facility/Shielded Room Power Line Filters Cabinets | 20A - 2500A |
| LCRF15000 | Telephone Data, Alarm and Control Line EMI Filters and Cabinets | 0.5A - 5A |



General specifications: Power line filters up to 250/277/480/600 VAC or 600VDC ambient rating 50°C/60°C, DC-50/60/400 Hz operation. Consult individual datasheet for details and specific agency approvals.



Specific models only



WE BUILD PCB MOUNTED EMI FILTER SOLUTIONS

PCB-mounted AC and DC EMI Filters

can be mounted directly to circuit boards and are designed to mitigate board level noise or alleviate challenges for chassis mount filter installation. These filters are an effective and compact low-cost solution for EMC compliance.

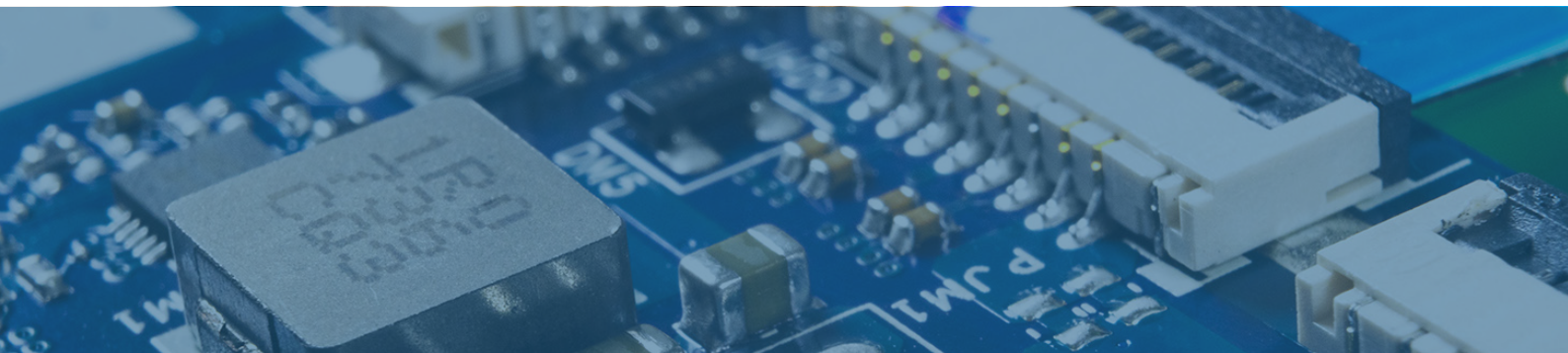
TYPICAL APPLICATIONS

Electronic Assemblies | Telecom
DC-DC Converters | Aerospace | Compact
Medical Equipment



EMI FILTER SERIES

| FILTER SERIES | DESCRIPTION | CURRENT RATINGS |
|---------------|---|-----------------|
| RP190 | Compact Single Stage PCB Power Line Filters | 1A - 10A |
| RPC1299-30 | Dual Stage PCB DC Power Line Filter | 30A |



General specifications: 75/300VDC and 250VAC, ambient rating 40°C, DC/50/60 Hz. Consult individual datasheet for details and specific agency approvals.



APPLICATIONS

MEDICAL-GRADE SOLUTIONS



Our complete line of off-the-shelf filters is available in a medical version. Most filters are agency approved with a range of line to ground capacitances to meet varying leakage current requirements of different applications and environments. Typical applications include patient medical devices, diagnostic equipment, surgical beds, MRI and X-ray machines, and more.

| FILTER SERIES | DESCRIPTION | CURRENT RATINGS |
|-------------------|---|-----------------|
| LCR055M | High Differential Mode Performance Single Phase Medical EMI Filters | 3A - 20A |
| LCR080M | Medical Power Entry and Outlet Filters | 1A - 20A |
| LCR081M | Medical Filtered Power Entry Modules with Fuse Holder | 1A - 10A |
| LCR082M | Medical Filtered Power Entry Modules with Fuse Holder and Switch | 1A - 10A |
| LCR083M | Medical Filtered Power Entry Modules with Double Fuse Holder | 1A - 10A |
| LCR084M | Medical Filtered Power Entry Modules with Double Fuse Holder and Switch | 1A - 10A |
| LCR085M | Medical Filtered Power Entry Modules with Switch | 1A - 10A |
| LCR090M | Single Phase Single Stage Medical EMI Filters | 1A - 40A |
| LCR091M | High Performance Single Phase Single Stage Medical EMI Filters | 1A - 40A |
| LCR092M/21 | High Performance Single Phase Dual Stage Medical EMI Filters | 1A - 30A |
| RP100 | Compact Single Stage Power Line Filters | 3A - 10A |
| RP105 | Compact Single Stage Power Line Filters | 3A - 20A |
| RP110 | Compact Single Stage Power Line Filters | 3A - 30A |
| RP135 | High Performance Single Stage Power Line Filters | 1A - 200A |
| RP180 | IEC Inlet Single Stage Power Line Filters | 15A - 20A |
| RP185 | High Performance IEC Inlet Single Stage Power Line Filters | 1A - 15A |
| RP187 | High Performance IEC Inlet Dual Stage Power Line Filters | 1A - 20A |
| RP188 | Filtered Power Entry Modules with Dual Fuse and Switch | 3A - 10A |
| RP210 | Compact Dual Stage Power Line Filters | 3A - 16A |
| RP225 | High Performance Dual Stage Power Line Filters | 3A - 20A |
| RP230 | High Performance Dual Stage Filters | 3.5A - 40A |
| RP305 | 3-Phase Delta Single Stage Power Line Filter, Compact | 6A - 60A |
| RP325 | 3-Phase Delta Dual Stage Power Line Filter | 15A - 300A |
| RP327 | 3-Phase Delta Dual Stage Power Line Filter, Bookshelf | 7A - 250A |
| RP330 | 3-Phase Delta Dual Stage Power Line Filter | 10A - 250A |
| RP360 | 3-Phase Delta Single Stage Power Line Filter, Compact | 20A - 60A |
| RP405 | 3-Phase Wye Single Stage Power Line Filter, Compact | 6A - 40A |
| RP425 | 3-Phase WYE Dual Stage Power Line Filter | 15A - 300A |

General specifications: 120/250/300 Single-Phase and 277/480 VAC 3-Phase Delta & Wye, ambient rating 40°C/50°C, 50/60 Hz operation. Consult individual datasheet for details and specific agency approvals.

APPLICATIONS

CONSUMER APPLIANCE SOLUTIONS



Astrodyne TDI manufactures standard and custom EMI filters for professional grade appliances including blenders, mixers, white goods, vacuum cleaners, portable tools, pumps, floor care equipment, treadmills, microwave ovens, vent hoods, and more. Regardless of your requirements, we have a filter solution that will work for you.

| FILTER SERIES | DESCRIPTION | CURRENT RATINGS |
|-------------------------------|---|-----------------|
| DSC1000 | High Performance Dual Stage Power Line Filters | 16A |
| DSC2000 | High Performance Dual Stage Power Line Filters | 20A |
| LCR 080 | General Purpose Power Entry and Outlet IEC Filters | 2A - 20A |
| LCR 095/01 | White Goods General Purpose Filters | 10A - 16A |
| LCR 095/02 | High Ambient High Surge Washing Machine and White Goods Filters | 6A - 16A |
| LCR 095/03/04 | High Performance Washing Machine Filters | 10A - 16A |
| LCR 095/05 | High Ambient Dishwasher and Light White Goods Filters | 16A |
| LCR 095/06 | General Purpose Small Size and Low Cost White Goods Filters | 16A |
| LCR 095/07 | Top Load Washer Dishwasher and Light White Goods Filters | 3A - 16A |
| LCR085 | General Purpose Filtered Power Entry Modules with Switch | 1A - 10A |
| RP100 | Compact Single Stage Power Line Filters | 3A - 10A |
| RP105 RP115 | Compact Single Stage Power Line Filters | 3A - 20A |
| RP110 | Compact Single Stage Power Line Filters | 3A - 30A |
| RP120 | Medium - High Performance Single Stage Power Line Filters | 10A - 50A |
| RP130 | High Performance Single Stage Power Line Filters | 3A - 40A |
| RP180 RP2180 | IEC Inlet Single Stage Power Line Filters | 15A - 20A |
| RP185 | High Performance IEC Inlet Single Stage Power Line Filters | 1A - 15A |
| RP187 | High Performance IEC Inlet Dual Stage Power Line Filters | 1A - 20A |
| RP210 | Compact Dual Stage Power Line Filters | 3A - 16A |
| RP220 | High Performance Dual Stage Power Line Filters | 6A - 20A |
| RP225 | High Performance Dual Stage Power Line Filters | 3A - 20A |
| RP230 | High Performance Dual Stage Filters | 3.5A - 40A |
| RP305 | 3-Phase Delta Single Stage Power Line Filter, Compact | 6A - 60A |
| RP310 | 3-Phase Delta Single Stage Power Line Filter, Ultra Compact | 6A - 20A |
| RP405 | 3-Phase Wye Single Stage Power Line Filter, Compact | 6A - 40A |
| RP410 | 3-Phase Wye Single Stage Power Line Filter, Ultra Compact | 6A - 20A |
| RP410HP | 3-Phase Wye Single Stage Power Line Filter, Ultra Compact, High Performance | 6A - 20A |

120/250/300 VAC single phase, 480 VAC 3-phase Delta and Wye, ambient rating 40°C/50°C, DC/50/60 Hz operation. Consult individual datasheet for details and specific agency approvals.

APPLICATIONS

INDUSTRIAL SOLUTIONS



Astrodyne TDI offers a wide range of filters for industrial applications with standard product families spanning the broad input characteristics and filtering needs of this diverse industry. These standard products are agency certified and available with a variety of capacitances and interconnection options.

| FILTER SERIES | DESCRIPTION | CURRENT RATINGS |
|----------------|---|-----------------|
| RP120 | Medium – High Performance Single Stage Power Line Filters | 10A - 50A |
| PR400 | 3-Phase Wye Single Stage Power Line Filter | 15A - 300A |
| RP125 | High Performance Single Stage Power Line Filters | 30A - 80A |
| RP130 | High Performance Single Stage Power Line Filters | 3A - 40A |
| RP135 | High Performance Single Stage Power Line Filters | 1A - 200A |
| RP210 | Compact Dual Stage Power Line Filters | 3A - 16A |
| RP225 | High Performance Dual Stage Power Line Filters | 3A - 20A |
| RP230 | High Performance Dual Stage Power Line Filters | 3.5A - 40A |
| RP240 | High Performance Dual Stage Power Line Filters | 6A - 150A |
| RP300 | 3-Phase Delta Single Stage Power Line Filter | 25A - 500A |
| RP305 | 3-Phase Delta Single Stage Power Line Filter, Compact | 6A - 60A |
| RP310 | 3-Phase Delta Single Stage Power Line Filter, Ultra Compact | 6A - 20A |
| RP325 | 3-Phase Delta Dual Stage Power Line Filter | 15A - 300A |
| RP327 | 3-Phase Delta Dual Stage Power Line Filter, Bookshelf | 7A - 180A |
| RP328 | 3-Phase Delta Single Stage Power Line Filter, Bookshelf | 7A - 180A |
| RP330 | 3-Phase Delta Dual Stage Power Line Filter | 10A - 250A |
| RP357 | 3-Phase Delta Multi-Stage Power Line Filter, High current, 600V | 150A - 2500A |
| RP359 | 3-Phase Delta Multi-Stage Power Line Filter, High Current | 150A - 2500A |
| RP360 | 3-Phase Delta Single Stage Power Line Filter, Compact | 20A - 60A |
| RP370 | 3-Phase Delta Compact Power Line Filter, High Current | 250A - 1000A |
| RP405 | 3-Phase Wye Single Stage Power Line Filter, Compact | 6A - 40A |
| RP410HP | 3-Phase Wye Single Stage Power Line Filter, Ultra Compact, High Performance | 6A - 20A |
| RP415 | 3-Phase WYE Single Stage Power Line Filter, High Performance | 8A - 160A |
| RP425 | 3-Phase WYE Dual Stage Power Line Filter | 15A - 300A |
| RP428 | 3-Phase WYE Dual Stage Power Line Filter | 8A - 600A |
| RP605 | High Current DC Power Line Filters | 100A - 200A |
| RP680 | Compact High Current DC EMI Power Line Filters | 250A - 1000A |
| RP690 | High Voltage/High Current DC Power Line Filters | 50A - 500A |
| RP692 | High Voltage/High Current DC Power Line Filters | 25A - 2500A |

120/250/300 VAC single phase, 480/520/600/690 VAC 3-phase Delta and Wye and 250/600/1200 VDC, ambient rating 40°C/50°C/55°C/60°C, DC/50/60 Hz operation. Consult individual datasheet for details and specific agency approvals.

APPLICATIONS

MILITARY SOLUTIONS



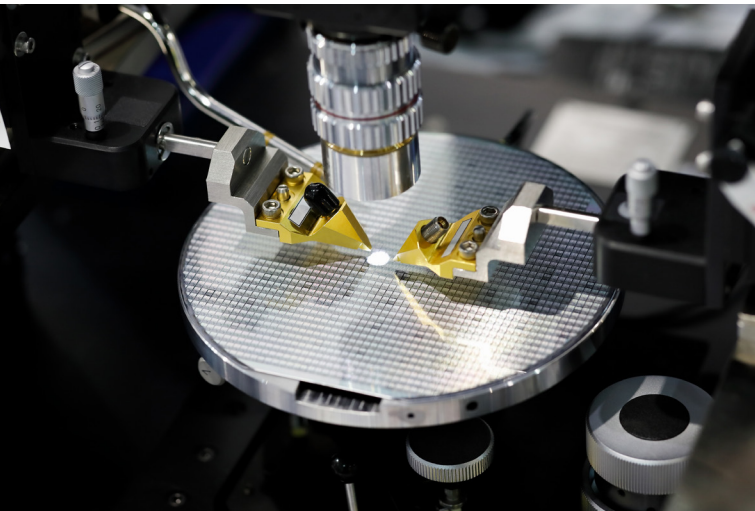
Astrodyne TDI's MIL-COTS EMI filters are designed to meet military specifications and help equipment comply with MIL-STD-461, TEMPEST and DO-160 requirements. Modified Standard and full custom solutions are also available.

| FILTER SERIES | DESCRIPTION | CURRENT RATINGS |
|---------------------|---|------------------|
| F19374-X | High Performance Single Stage Power Line Filter (MIL/Marine Power Supply) | 10A |
| LCR F1928X | MIL/COTS AC and DC EMI Power Line Filters | 5A - 30A |
| LCR F9100 | Extended Temperature Single Stage Single Phase Filters | 5A - 35A |
| LCR F9200 | Extended Temperature Dual Stage Single Phase Filters | 5A - 35A |
| RPM6000 | MIL/COTS Filter, DC, Ground Return | 5A - 60A |
| RPM6200 | MIL/COTS Filter, DC | 5A - 60A |
| RPM6400 | MIL/COTS Filter, DC, Ground Return, Hi-Perf | 5A - 50A |
| RPM6600 | MIL/COTS Filter, DC, Hi-Perf | 5A - 50A |
| RPM7000 | MIL/COTS Filter, Single Phase | 5A - 50A |
| RPM7020 | MIL/COTS Filter, Single Phase, Compact | 5A - 20A |
| RPM7050 | MIL/COTS Filter, Single Phase, 1U | 5A - 30A |
| RPM7200 | MIL/COTS Filter, Single Phase, Hi-Perf | 5A - 50A |
| RPM8000 | MIL/COTS Filter, 3-Phase Wye | 5A - 150A |
| RPM8500 | MIL/COTS Filter, 3-Phase Delta | 5A - 150A |
| RPM9000 | MIL/COTS AC, Single Phase, IEC Inlet EMI Power Line Filters | 5A - 20A |
| RPMC5014-63 | MIL/COTS, Delta 480 V Power Line Filters | 63A |
| RPT5000 | TEMPEST/COTS DC EMI Power Line Filters | 5A - 35A |
| RPT5500 | TEMPEST/COTS DC EMI Power Line Filters | 5A - 30A |
| RPT5510 | TEMPEST/COTS AC EMI Power Line Filters | 5A - 25A |
| RPTC2001-225 | TEMPEST/COTS AC Three Phase WYE EMI Power Line Filters | 225A |
| RPTC2002-10 | TEMPEST/COTS AC Single Phase EMI Power Line Filters | 10A |
| RPTC2003-60 | TEMPEST/COTS AC Single Phase EMI Power Line Filters | 60A |
| RPTC2004-100 | TEMPEST/COTS AC Three Phase WYE EMI Power Line Filters | 100A |
| RPTC2010-30 | TEMPEST/COTS AC Single Phase EMI Power Line Filters | 30A |
| RPTC2011-100 | TEMPEST/COTS AC Single Phase EMI Power Line Filters | 100A |
| RPTC2012-60 | TEMPEST/COTS AC Three Phase WYE, 480 V EMI Power Line Filters | 60A |

General specifications: 400 VDC, 300 VAC Single-Phase and 480 VAC 3-Phase Delta & Wye, ambient rating 70°C/85°C, DC/50/60/400Hz operation. Consult individual datasheet for details and specific agency approvals.

APPLICATIONS

SEMICONDUCTOR SOLUTIONS

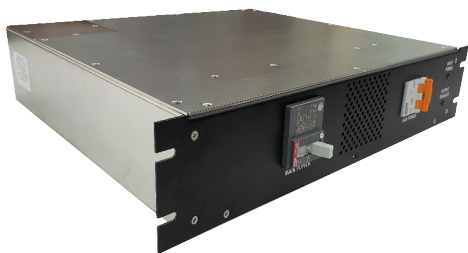


Off-the-shelf and full custom EMI filter solutions are available for semiconductor applications. Astrodyne TDI is dedicated to providing economically viable EMI & RFI filters and EMC solutions to satisfy the unique needs of the semiconductor industry. We provide high quality, cost-effective and unique EMC solutions with industry leading turn-around times.

| FILTER SERIES | DESCRIPTION | CURRENT RATINGS |
|----------------|---|-----------------|
| RP110 | Compact Single Stage Power Line Filters | 3A - 20A |
| RP120 | Medium – High Performance Single Stage Power Line Filters | 10A - 50A |
| RP130 | High Performance Single Stage Power Line Filters | 3A - 40A |
| RP135 | High Performance Single Stage Power Line Filters | 1A - 200A |
| RP230 | High Performance Dual Stage Power Line Filters | 3.5A - 40A |
| RP240 | High Performance Dual Stage Power Line Filters | 6A - 150A |
| RP300 | 3-Phase Delta Single Stage Power Line Filter | 25A - 500A |
| RP305 | 3-Phase Delta Single Stage Power Line Filter, Compact | 6A - 60A |
| RP330 | 3-Phase Delta Dual Stage Power Line Filter | 10A - 250A |
| RP350 | 3-Phase Delta Compact Single Stage Power Line Filter | 20A - 100A |
| RP360 | 3-Phase Delta Single Stage Power Line Filter, Compact | 20A - 60A |
| RP400 | 3-Phase Wye Single Stage Power Line Filter | 15 A - 300 A |
| RP405 | 3-Phase Wye Single Stage Power Line Filter, Compact | 6 A - 40 A |
| RP420 RP425 | 3-Phase WYE Dual Stage Power Line Filter | 15 A - 300 A |

120/250/300 VAC single phase, 480/520/600/690 VAC 3-phase Delta and Wye and 250/600/1200 VDC, ambient rating 40°C/50°C/55°C/60°C, DC/50/60 Hz operation. Consult individual datasheet for details and specific agency approvals.

POWER DISTRIBUTION UNITS



Astrodyne TDI's Power Distribution & Control Units are fully integrated power distribution solutions designed to meet custom specifications. Typical configurations include EMI filters, surge protection, transformers, circuit breakers, power connectors, fuses, indicators, EMO, and standard power supplies.

WE BUILD CUSTOM SOLUTIONS

With our extensive design experience, Astrodyne TDI can provide specialty and custom EMI and RFI filters to match your exact specifications.

Custom AC and DC EMI and RFI filters are available across industries, including the specialized medical and military markets. Our product and engineering teams would be happy to work with you to understand and meet your unique needs, regardless of input characteristics or filtering requirements..

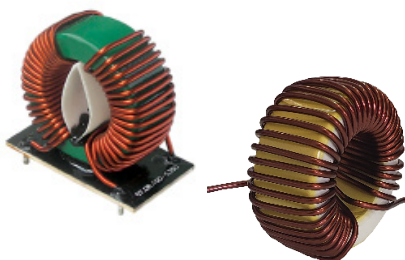
Please contact Astrodyne TDI today to discuss your application and identify the best EMI filter solution for your world-class product.



CUSTOM CAPABILITIES

- EMI and RFI Filter Design and Development
- Solutions to meet MIL-STD-461, DO-160, CE and Other Standards
- Product Evaluation and Pre-Compliance Testing
- Problem Analysis and Assessment
- EMC Consulting Services

SUPPRESSIONS COMPONENTS



As a world leader in the EMI filter and RFI filter component business, Astrodyne TDI offers a wide range of custom suppression components including PFC chokes, reactors, transformers, capacitors, custom coils, inductors, and high-frequency chokes.

NO COST

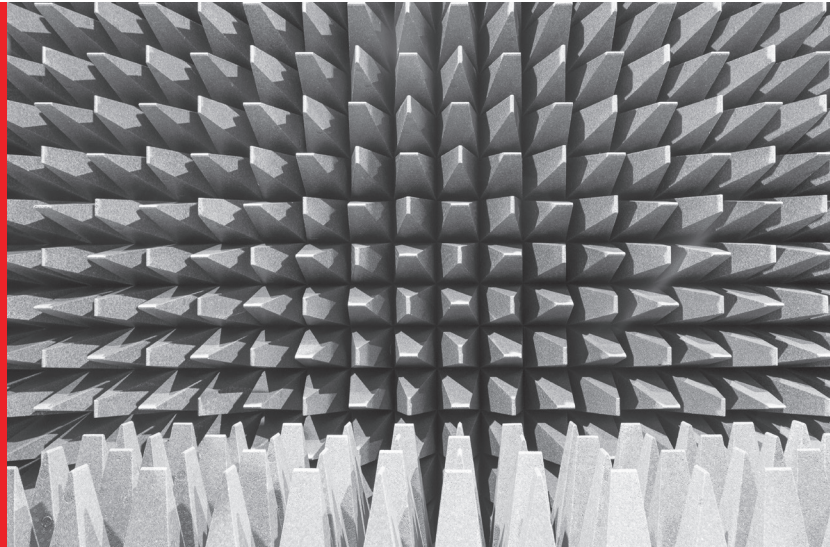
PRE-COMPLIANCE TESTING & SAFETY AGENCY CERTIFICATIONS

Astrodyne TDI offers two testing capabilities to customers — EMC pre-compliance testing and UL/IEC certification services. With three EMI testing locations, on-site at our Hackettstown, NJ, Anaheim, CA and Kunshan, China facilities, Astrodyne TDI is able to simplify your validation process while expediting safety agency certification, saving your team both time and money.

UL, CSA & IEC CERTIFICATION

With a level 4 satellite laboratory, Astrodyne TDI has all the physical resources, equipment and qualified personnel required to conduct safety testing, equivalent to UL and Intertek laboratory testing.

The Data Acceptance Programs give us control of product certification, allowing us to deliver speed, as well market accessibility and flexibility. Our laboratory testing scope enables us to get North American safety approvals per UL60939, CSA C22.2 No. 8 for UL, CSA and ETL marks and European/ international approvals per IEC/EN 60939-1/2 for Semko and ENEC marks.



ACCURACY, LOWER COST AND QUICK TIME TO MARKET

The in-house pre-compliance testing and agency certification capabilities ensure that our customers will:

- Mitigate the risk of emissions/agency failures and avoid potential retesting and recertification expenses
- Shorten safety approval lead times
- Expedite product launch

Our experienced engineers design EMI solutions to provide high-reliability performance for both COTS and custom applications. When your work with Astrodyne TDI, you can be confident that your equipment is assured to comply timely and cost effectively!



THE POWER OF ASTRODYNE TDI.

Astrodyne TDI develops technologies and products that people depend upon to enhance, protect, and save lives. As a technology-driven company, Astrodyne TDI differentiates itself by engineering power-related solutions that solve high value problems in our target markets. Company products include Power Supplies and EMI Filters for Industrial, Semiconductor Manufacturing, Medical Equipment, Professional-Grade Consumer Appliance, Military, Aerospace, and many varied markets.

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Rev: V2-AUGUST-2020