

Astrodyne TDI

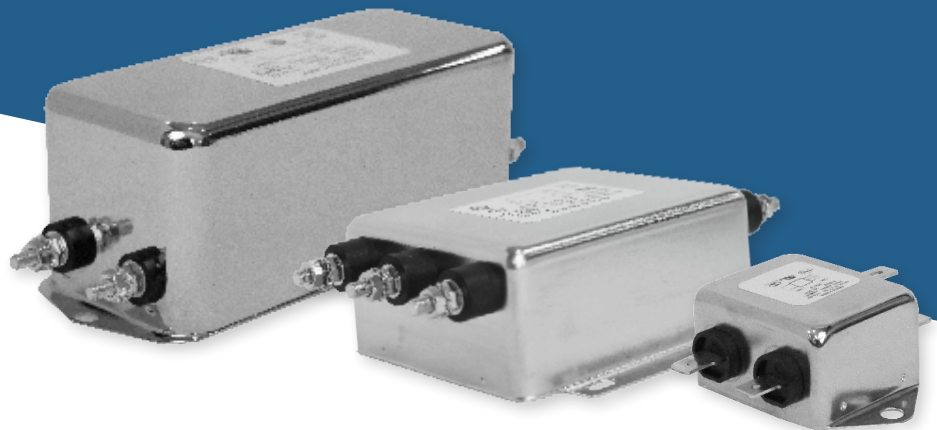
Now you have power.



EMI FILTERS SOLUTIONS

GLOBALLY RECOGNIZED RELIABLE SOLUTIONS WITH UNMATCHED
ENGINEERING SUPPORT

APRIL 2020



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

Singel 3 | B-2550 Kontich | Belgium | Tel. +32 (0)3 458 30 33
info@alcom.be | www.alcom.be
Rivium 1e straat 52 | 2909 LE Capelle aan den IJssel | The Netherlands
Tel. +31 (0)10 288 25 00 | info@alcom.nl | www.alcom.nl

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

CONTENT

SINGLE-PHASE EMI FILTERS	4-5
THREE-PHASE EMI FILTERS	6-7
DC EMI FILTERS	8
IEC INLET EMI FILTERS	9
FEED-THROUGH EMI FILTERS	10
INVERTER EMI FILTERS	11
FACILITY, MRI/SHIELDED ROOM EMI FILTERS	12
PCB EMI FILTERS	13
MARKETS	14-18
- MEDICAL	14
- MILITARY	15
- PROFESSIONAL-GRADE CONSUMER APPLIANCES	16
- INDUSTRIAL	17
- SEMICONDUCTOR	18
CUSTOM EMI FILTER SOLUTIONS & SUPPRESSION COMPONENTS	19
PRE-COMPLIANCE TESTING & SAFETY CERTIFICATIONS	20

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

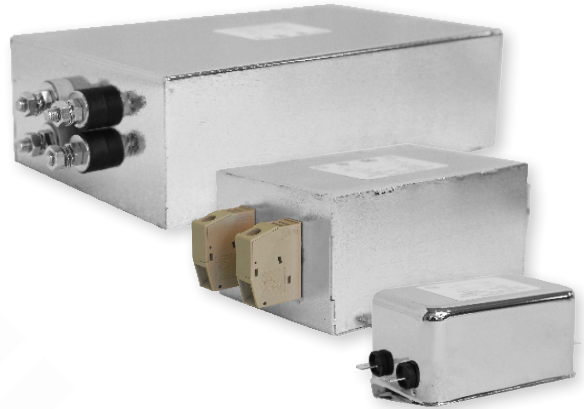
FILTER SERIES	DESCRIPTION	PAGE
LCR096	General Purpose 3-Phase Delta Single Stage EMI Filters	10A - 300A
LCR096B	Bookshelf 3-Phase Delta Single Stage Industrial EMI Filters	7A - 180A
LCR096C	High Current High Performance 3-Phase Delta Single Stage EMI Filters	250A - 800A
LCR097	High Performance 3-Phase 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 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
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 RP425	3-Phase WYE Dual Stage Power Line Filter	15A - 300A
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 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	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
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.



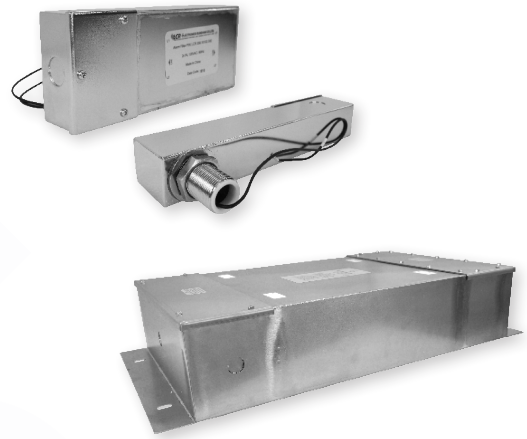
WE BUILD

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.

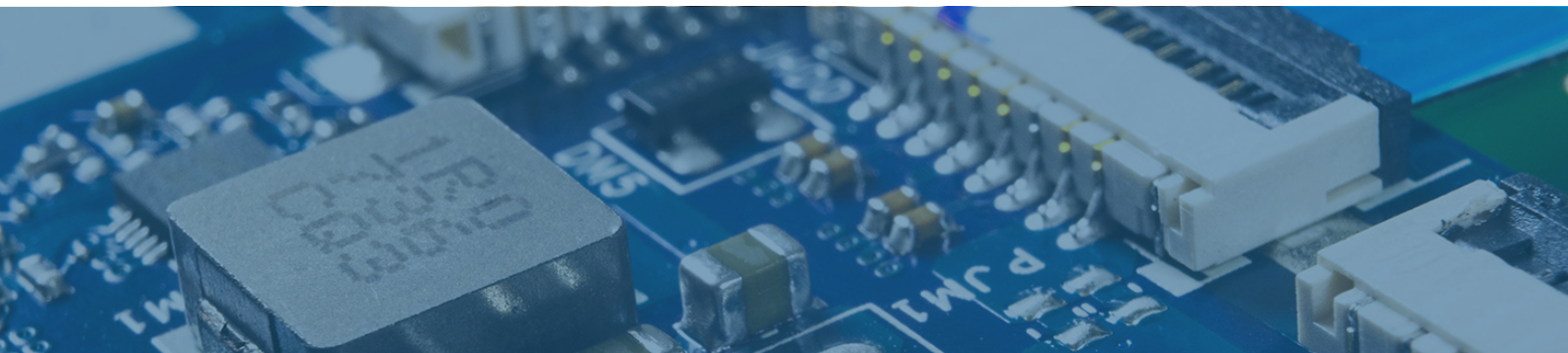
TYPICAL APPLICATIONS

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

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

CONSUMER APPLIANCE SOLUTIONS



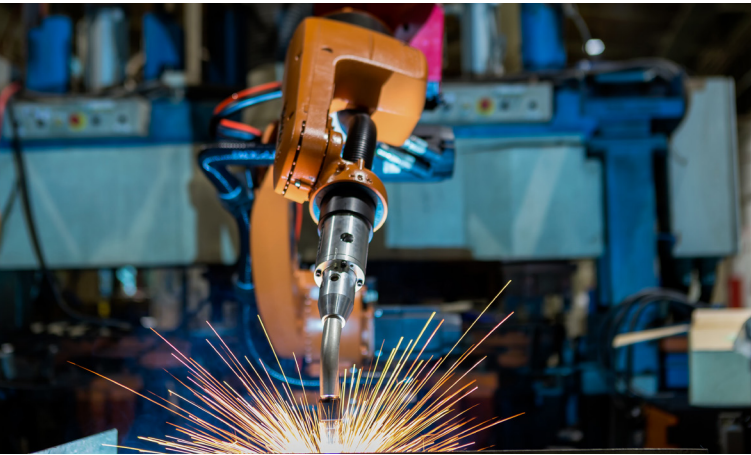
Astrodyne TDI manufactures standard and custom EMI filters for professional grade appliances including blenders, mixers, white goods, vacuum cleaners, portable tools, pumps, floor care equipment, treadmills, microwave ovens, vent hoods, and more. Regardless of your requirements, we have a filter solution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



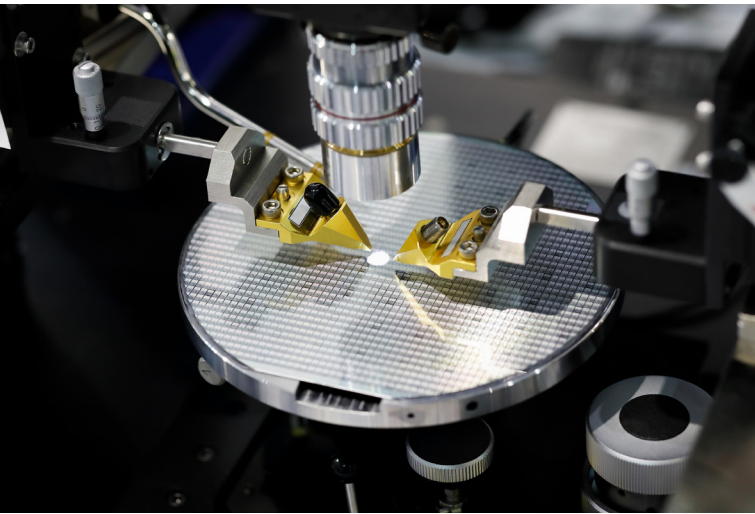
Astrodyne TDI offers a wide range of filters for industrial applications with standard product families spanning the broad input characteristics and filtering needs of this diverse industry. These standard products are agency certified and available with a variety of capacitances and interconnection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

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..

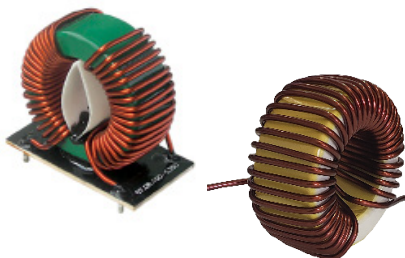
Please contact Astrodyne TDI today to discuss your application and identify the best EMI filter solution for your world-class product.



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

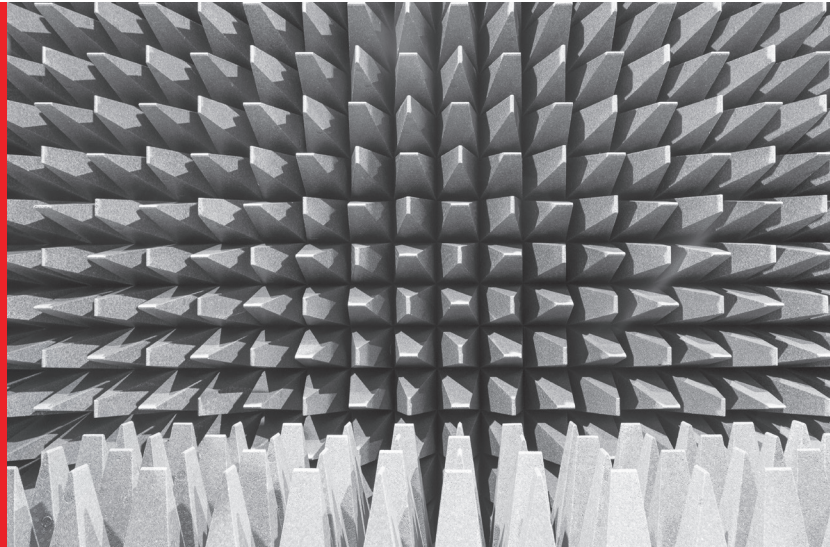
PRE-COMPLIANCE TESTING & SAFETY AGENCY CERTIFICATIONS

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.

ASTRODYNE TDI CORPORATE HEADQUARTERS

36 Newburgh Road,
Hackettstown, New Jersey
Phone: +1-908-850-5088

ASTRODYNE TDI WEST COAST TECHNOLOGY CENTER

9 4761 E. Hunter Ave
Anaheim, CA 92807
Phone: +1-908-850-5088 ext. 2001

ASTRODYNE TDI (KUNSHAN) CO., LTD.



ASTRODYNE TDI

WWW.ASTRODYNETDI.COM
(908) 850-5088



Singel 3 | B-2550 Kontich | Belgium | Tel. +32 (0)3 458 30 33
info@alcom.be | www.alcom.be

Rivium 1e straat 52 | 2909 LE Capelle aan den IJssel | The Netherlands
Tel. +31 (0)10 288 25 00 | info@alcom.nl | www.alcom.nl