

# CONSUMER APPLICATIONS

## Large Appliances



## Small Appliances



- A complete range of standard, customized and custom filter solutions to help meet EMI requirements for residential, commercial, and consumer applications and prevent unintended AFCI tripping.
- Agency approvals (UL, cUL, IEC) on standard products with a range of *line to ground capacitances*.
- Selectable Line-Ground capacitors (0 - 4.7nF) to meet leakage current limits for residential/commercial applications.
- **No charge pre-compliance EMI testing** to support for OEM's compliance and certification time lines.
- Customized and fully custom solutions to meet space, mounting and interconnection needs of the application.
- In house safety testing for quicker agency approval on customized and custom filter solutions.

### Typical Applications:

- Microwave Ovens
- Induction Cooktops
- Treadmills
- Washing Machines/Dryers
- Dishwashers
- Flooring Care Equipment/Vacuum Cleaners
- Blenders/Mixers & Food Processors
- Power Tools
- Food Service Equipment
- and more...

## White Goods



## Other Appliances



With in-house and on-site services to ongoing investments in research & development and global production, Astrodyne TDI is uniquely positioned as a international leader in the field of EMI Filters. Standard, customized and fully custom solutions, with full engineering support, help our customers meet international compliance standards, quickly and cost effectively. Our EMI filter solutions range from small single phase components to high power 2500A/690V industrial 3-phase filters. Most standard catalog items carry full agency approvals (UL, CSA, CE).

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## Large Appliances

Microwaves Ovens, Induction Cooktops, Refrigerators, Fitness Equipment...

### Filter Specifications & Models:

- Single phase, 3-20A, 120/250VAC, 50/60Hz
- RP100, RP105, RP110, RP115, RP120, RP130, RP210, RP220, RP225, RP230 series

### Performance:

- Medium to high performance designs to bring high noise applications within applicable limits

### Product Configurations:

- Compact and standard size models
- Quick disconnects, threaded studs, terminal blocks, and wired interconnections



## Small Appliances

Blenders, Mixers, Vacuum Cleaners, Power Tools...

### Filter Specifications & Models:

- Single phase, 1-20A, 120/250VAC, 50/60Hz
- RP100, RP105, RP110, RP115, RP2180 series
- Custom designs

### Performance:

- Varying insertion loss levels to help comply with applicable limits.

### Product Configurations:

- Compact & ultra compact models
- Quick disconnects, wires, and special connectors



## White Goods

Washers, Dryers, Dishwashers, Refrigerators...

### Filter Specifications & Models:

- Single Phase, 3-16A, 120/250 VAC, 50/60Hz
- 3-Phase, 3-40A, 480/600 VAC, 50/60Hz
- LCR 095, RP305, RP310, RP405, RP410, RP410HP series

### Performance:

- Medium to high insertion loss levels to help comply with applicable limits.
- Metalized film technology for high reliability, self healing, and fail safe characteristics
- Water ingress resistant

### Product Configurations:

- Standard and compact size models
- Quick disconnects, wires, and RAST5 connector



## Others

Flat Screen TV's, Coffee Machines, Vent Hoods...

### Filter Specifications & Models:

- IEC inlets, 1-20A, 120/250VAC, 50/60Hz
- RP180, RP185, RP187, RP188, 080, 081, 082, 083, 084, 085 series

### Performance:

- Low to medium insertion loss levels to help comply with applicable limits.

### Product Configurations:

- Power entry with IEC C14 or C20 connector
- Single or double fuse options
- With or without switch
- Quick disconnects or flying leads/wires outputs



EMI FILTERS

EDACPOWER ELECTRONICS PTE LTD

6 Tagore Drive, #01-02, Tagore Building, Singapore 787623

Tel : (65) 6454 7877 | Fax : (65) 6453 7977

Email : sales@edac.com.sg | Website: <http://www.ep-power.com>

Astrodyne TDI  
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