



**3A CleanSweep® Filters**



**10A CleanSweep® Filters**



**15...30A CleanSweep® Filters**

## Why Would You Need CleanSweep® EMI filter?

Simply, to provide clean power to your equipment. This improves uptime, reliability and yield. Strong EMI on power lines and ground is unwanted signal which causes errors in operation of sensitive equipment - anywhere from erratic behavior and data corruption to outright - and can damage components. CleanSweep® filters are the easiest and the most cost-effective way to block EMI from getting it into your equipment and give it clean power and ground.

## CleanSweep® EMI Filters Provide Clean Power

CleanSweep® AC EMI filters block high-frequency noise on power lines and ground from reaching your sensitive equipment, providing it with clean noise-free power. The filters also block noise generated by equipment from feeding back and polluting power lines and ground.

## CleanSweep® EMI Filters Block Power Surges

CleanSweep® filters are very good in suppressing power line surges. Little-known fact is that regular surge suppressors begin to work only above 330V for 120VAC lines and above 440V for 250V lines, leaving your sensitive equipment exposed to strong power transients. CleanSweep® filters suppress all transients down to a negligible level, just like they suppress EMI. Use CleanSweep® filters with regular surge suppressors for complete protection.



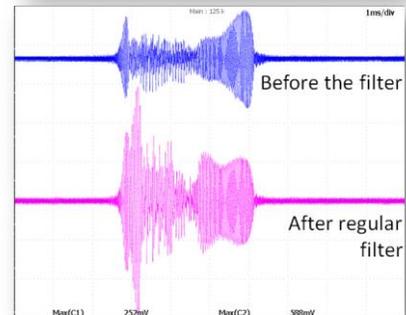
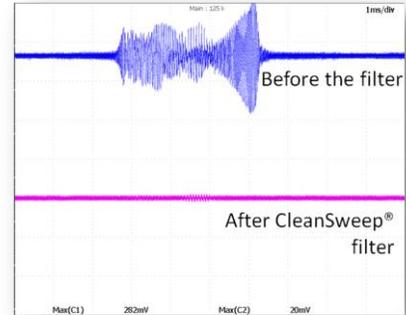
## Ready to Work for You Out of the Box

CleanSweep® filters come complete with power cord and are ready to be installed. No special skills are required - unplug your equipment from the outlet, plug the filter in that outlet and plug your equipment into the filter. That's it. Filter models with terminal blocks require help of electrician, of course.



## CleanSweep® EMI Filters Are Unique

What makes CleanSweep® EMI filters different and better than any of many filters on the market? CleanSweep® filters are designed for real-life applications with the goal on the highest performance while the commodity filters are focused on the lowest cost to pass artificial laboratory tests for FCC or CE compliance. Commodity filters work in the lab, CleanSweep® filters work anywhere, specifically in actual installations. Regular filters in real applications often amplify noise they are supposed to suppress, CleanSweep® filters block it. CleanSweep® filters uniquely block noise on both power lines and ground. Each CleanSweep® filter has built-in circuit breaker for added protection. CleanSweep® filters are manufactured in the U.S.A. using quality components and comprehensive test and QA.



## CleanSweep® EMI Filters Work Anywhere

CleanSweep® filters are approved by ETL for UL1283 and IEC60939 regulations covering U.S, Canada and any country that uses CE regulations. Some models have DNV approval (marine applications). The filters are RoHS compliant as well. CleanSweep® EMI Filters are available in many international configurations (if yours isn't listed in a brochure, give us a call) and with terminal blocks.

*Curious? Want to know more? Go to any of CleanSweep® filter's web pages at [www.onfilter.com](http://www.onfilter.com) and look for these Application Notes:*

### Related Papers

-  **App Note: Measurement and Management of Power Line Communication**
-  **App. Note: OnFILTER Advantage - Summary of CleanSweep AC Filter Technology**
-  **App. Note: CleanSweep AC EMI Filters Provide Protection for Data Centers**
-  **App. Note: CleanSweep AC EMI Filter in Surge Protection**
-  **App. Note: How to Specify CleanSweep AC Power Line Filter**
-  **App. Note: CleanSweep AC Filters and UPS**

## What are the Typical Applications of CleanSweep® Filters?

Anywhere you want to protect your equipment from noise on power lines and ground. Some typical applications are:

- **Semiconductor manufacturing:** IC Handlers, testers, wire bonders, die attach
- **Electronic assembly:** workbench, pick-and-place tools, test equipment, lead trimmer
- **Aerospace/military:** increasing reliability of assembled equipment by reducing EOS
- **Test and metrology:** R&D, biomed and biochemical, universities, anywhere data is processed
- **Data centers:** servers and data banks
- **Medical:** hospitals, clinics, analytical equipment
- **Smart Power:** managing power line communication (PLC)
- **Anywhere EMI is a concern**

## How to Order

You can order CleanSweep® filters directly from us (we accept major credit cards and PayPal, as well as company's P.O.s) or through any of our distributors - look them up on our web site.

