

EESeal™ FilterSeals

Add an EMI filter to your connector in just seconds.

The EESeal™ FilterSeal EMI filter is a thin rubber insert that is easily slipped between any pair of electrical connectors. An array of discrete capacitors (up to 1.0 μ F) are suspended within its rubber body and are connected between each pin and the connector shell by a web of gold-plated filament wires.

Made of resilient high-performance silicone, the EESeal withstands severe environmental stress, while creating a watertight seal within the connector. Custom configurations, connector types, colors, and electrical specifications are available through Rapid Prototyping services; standard lead-time for custom prototypes is two weeks and even faster turnaround is often available.

Ten, Nine, Eight...

You're just seconds away from an EMI fix; EESeal™ installs easily by hand and without any special tools. Just slip it over the pins of your connector and mate the connector once to permanently seat it. Once it's in, it will stay in unless removed with a special tool.



Resilient EESeal™ FilterSeals install with just your fingers

Abuse It

EESeal™ FilterSeals have passed a battery of tough mechanical and environmental tests, including shock, vibration, salt spray, thermal cycling, and humidity exposure. You can depend on an EESeal™ FilterSeal.

Features

- **Easy Retrofit** Installs in seconds, no special tools
- **Sure Connections** Pliable contacts can't be "sprung"
- **Takes Abuse** - Resilient, not fragile or brittle
- **Sure-Seal** - Keeps fluids & grime out
- **Rapid Prototyping**
Custom Configurations

Ordering

To order or talk with an applications engineer call Quell directly at (505) 243-1423, Fax (505) 243-9772.

Globally, visit Quell on the world wide web at www.eeseal.com.

Made in the U.S.A.

U.S. Patent No. 5,686,687 and International Patents Pending

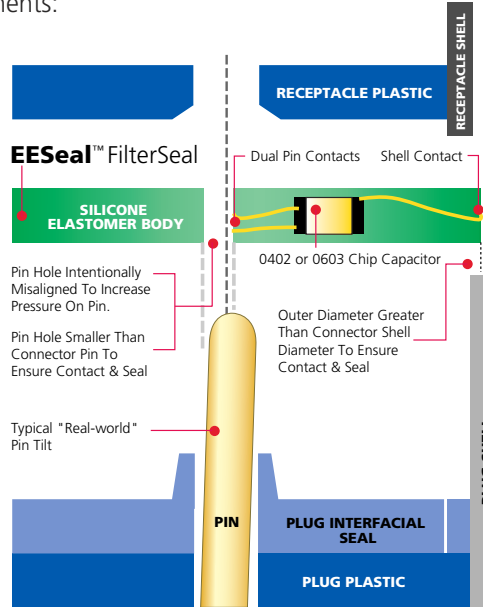
5639B Jefferson NE
Albuquerque, New Mexico 87109
(505) 243-1423 Fax (505) 243-9772
www.eeseal.com



How it Works

The secret behind EESeal™ FilterSeals is Quell's innovative electronic packaging technology. Our patented Elastomeric Body and Adaptive Interconnect System suspends, isolates and protects discrete electrical components:

- Entire assembly is resilient and can radically change shape and size in response to external forces (it easily compresses, expands, twists, stretches, etc.)
- Individual components and interconnections move as the body changes shape while maintaining electrical and mechanical integrity.
- Body acts as conformal coat & electrical isolation for suspended components.
- Natural compressive forces exploited to activate re-usable electrical contacts that can withstand extreme abuse (e.g. severe misalignments, vibration, even wrong pin sizes).
- Two gold-plated contacts per pin.
- Many gold-plated peripheral shell contacts.
- Environmental seal created for the host connector.

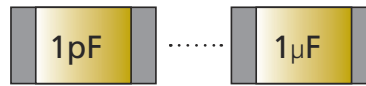


Shapes

EESeal™ FilterSeals will fit in just about any connector:

- MIL-C-38999 series 1, 2, 3 & 4
- MIL-C-26482 series 1 & 2
- MIL-C- 5015
- MIL-C-83723
- MIL-C-26500
- High Density & Double Density D
- Micro D (MDM)
- DIN
- mini-DIN
- Custom Connectors
- ARINC 600
- ARINC 404
- Subminiature D

Components

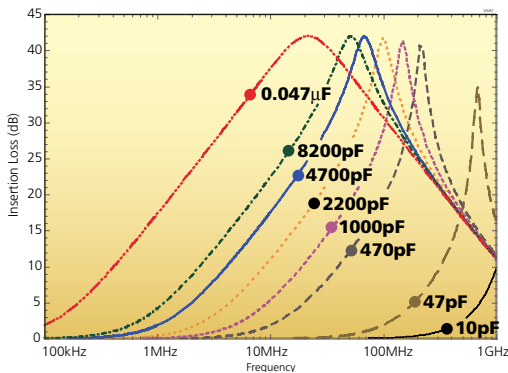


Ceramic Chip Capacitors

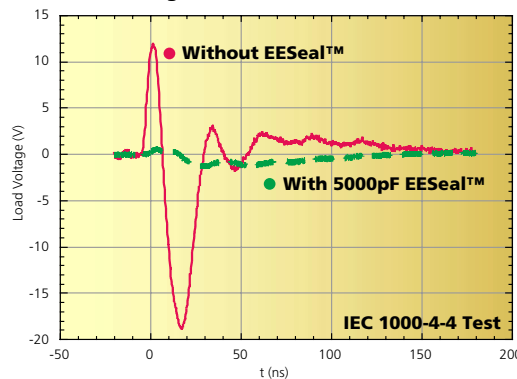
Voltage ratings to 1000wvdc, depending on capacitance value. Most capacitors X7R dielectric. Selected pins may be any capacitance value, shorted or open. Most standard values in stock.

Or choose from a wide range of AVX Transguard® Voltage Suppressors.

Typical Attenuation of EESeal™ EMI Filters



Load Voltage Protection – 9 Pin DSub Connector



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