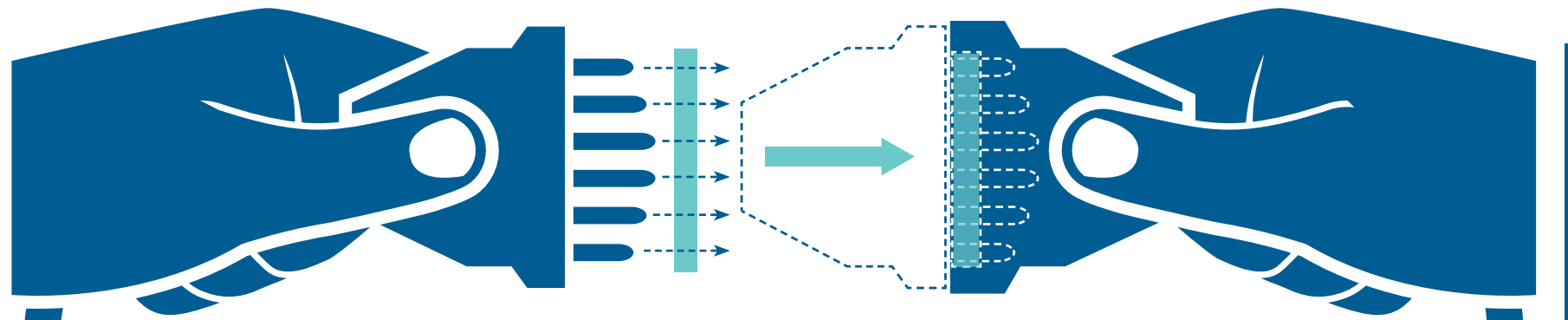


EMI FILTERS

Standards Testing in Harsh Environments



You need a filter to meet the DO-160 and MIL-461 standards for testing in harsh environments, but you've come across the problem that troubles designers of avionics and other defense and aerospace products after almost every failed test – what kind of filter should you install?

A FILTER THAT FITS



EMI Filter Insert

Is thin, essentially transparent once installed, and light-weight. Since the filter uses a silicone rubber packaging technology with an embedded custom circuit that can be placed inside a connector of an existing product, it won't impact the environmental qualification of an aircraft box, and there's no need to open or remove any boxes on the aircraft to find space for it.

Traditional Filter

Is bulky and requires extra room for installation. There are weight and space limits that physically can't be exceeded, and matching these can get tricky especially if you're pressed for time.

A FILTER THAT CAN WITHSTAND ITS ENVIRONMENT



EMI Filter Insert

Has minimal mass and is protected inside the connector, making it simple to meet shock and vibration tests with no re-testing required.

Traditional Filter

May require mounting schemes in shock and vibration testing, which may also be a nightmare to implement in production. Keep in mind it will most likely alter the center of gravity since it is going to add mass, which will possibly require re-testing for vibration, crash-safety, operational and non-operational shock.

A FILTER THAT OPERATES WITHOUT DISRUPTIONS



EMI Filter Insert

Is installed on the exterior of the box, so there are no air flow issues and no need to repeat temperature and temperature variation tests (or even altitude and overpressure tests!).

Traditional Filter

Can change airflow patterns inside a box, potentially requiring re-testing to show compliance with the requirements for operating temperature and temperature variation.

AN AFFORDABLE FILTER WITH A QUICK TURNAROUND



EMI Filter Insert

Samples can be provided in 24-48 hours, completely customized, so you can receive your filter while you're still in the lab and at half the cost of a traditional filter.

Traditional Filter

Samples may have a lead time of 20+ weeks, which can be extremely costly especially when you take into account re-booking a test lab and flying appropriate personal.

To learn more about **Quell EMI Filter Inserts** please visit: eeseal.com

