



**MODULAR DEVICES, INC.**

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An ISO 9001:2015 Registered Company

## ***New Product Release:***

# **Introducing MDI's MOAF High Current Hermetic EMI Filters For MIL-STD-461D, E, F, G applications**

MOAF filters are unique high current board mounted or chassis mounted devices that provide substantial EMI attenuation in relatively small size hermetic packages. The standard 28 VDC MOAFs are rated as high as 50 amperes and the MOAF+ types are rated as high as 70 amperes.

MOAF filters are available for these popular nominal DC bus levels: 28 VDC, 50 VDC, 70 VDC, 100 VDC, 120 VDC and 270 VDC.

When used ahead of most unfiltered DC-DC converters, as well as DC-DC converters that meet MIL-STD-461C compliant DC-DC converters, MOAF filters provide compliance to the latest MIL-STD-461 D, E, F, G method CE101 and CE102 test requirements.

MOAF filters incorporate a common mode filter and multiple low impedance, low resonance L/C stages of differential filtering. The resulting design achieves the necessary attenuation for CE102 compliance while minimizing the possibility of excessive input impedance mismatch that might otherwise result in DC-DC converter loop instability. The planar type magnetic design greatly reduces internal  $I^2R$  copper losses, improving efficiency and reducing power dissipation.

The standard hermetic sealed 0.495" high MOAF is packaged in either a pins down style (package designator LF) or a chassis mount, pins out package (package designator ZF) This EMI filter is a higher current version of the Model 53727 MOAF.

The MOAF+ models are 0.650" high and are packaged in a pins down style (package designator KF).

A single MOAF can serve multiple DC-DC converters up to the published rated maximum current.

Detailed MOAF information can be found at [www.MDIPOWER.com](http://www.MDIPOWER.com).

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