

Dual DC EMI Filter

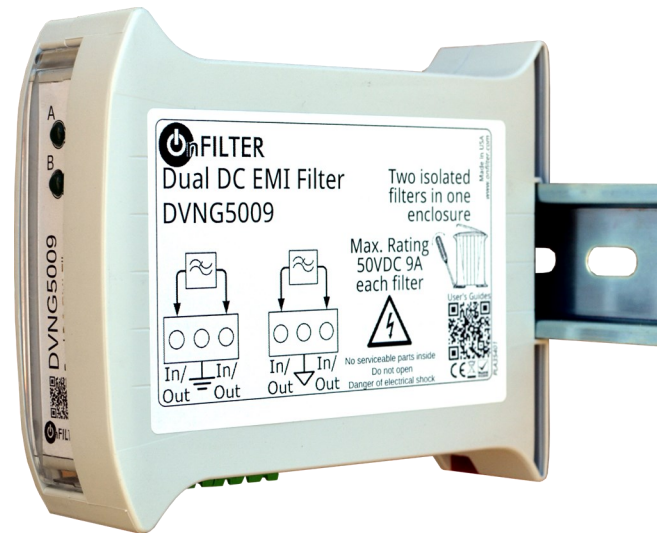
DIN Rail Mount 2x9A 50V

Two EMI Filters in One Enclosure Provide Clean EMI-Free DC Power

Switched mode power supplies are at the core of operation of most electronics. The problem is, some of them generate unacceptable levels of electrical noise, otherwise known as conducted electromagnetic interference (EMI), causing operation errors, malfunction and even device damage. And sometimes the circuits that are driven by DC power generate unacceptably high levels of EMI themselves.

OnFILTER's DC EMI filters block EMI while passing unaltered DC power to your devices. The filters provide especially good attenuation where you need it—in the spectrum of operation of switched mode power supplies (SMPS) and PWM motors.

DVNG5009 is two independent EMI filters in one enclosure. Each of these independent filters provides up to 9A DC current. The filters can be connected in several different configurations



Applications

- Industrial control
- Electrical panels
- Automated tools
- Photovoltaic / Solar
- Semiconductor fabrication
- Electronic assembly
- LED lighting
- Wherever EMI is a concern

Features

- Clean DC power
- Superior EMI suppression
- Symmetrical operation
- Two filters in one
- Multiple configurations
- Easy installation

Superior Reduction of EMI from Power Supplies, Motors, and Lighting

DVNG5009 provides EMI suppression where you need it—across the wide spectrum starting at 10kHz. Common industry filters start their attenuation only above 100kHz

Two EMI DC Filters in One

DVNG5009N is two independent filters in one allowing use of just one unit for multiple DC circuits, saving space and cost.

Multiple Configurations, One Filter

You can use DVNG5009N in several configurations: two separate filters; one combined filter doubled in current capacity; serial connection of these two filters to boost attenuation at the very low frequencies; or in a differential mode providing filtering in both positive and negative supply branches.

Fully Symmetrical Performance

DVNG5009 provides EMI attenuation in both directions, enabling noise-free operation of equipment in your electrical panel. It blocks EMI from DC power supply, but also blocks EMI generated by a noisy load from polluting DC supply for the rest of equipment

DC EMI Filter
DVNG5009
2x9A 50VDC
DIN Rail Mount

Specification

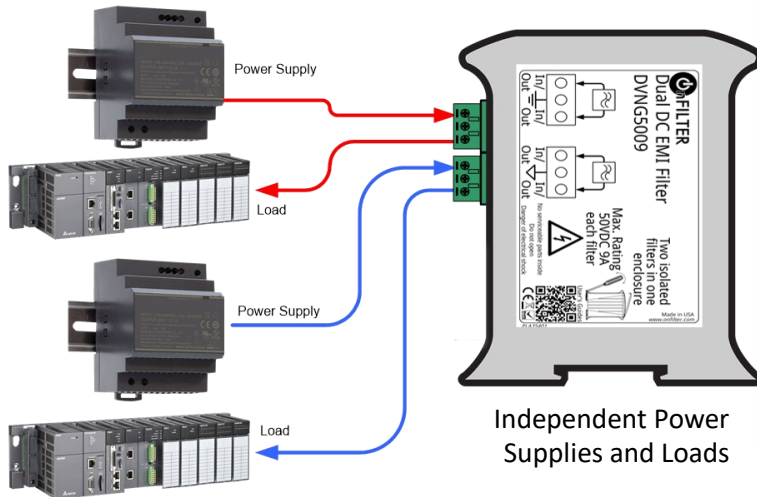
OnFILTER DC dual filter DCNG5009N provides substantial reduction in noise from switched mode power supplies and from “noisy” loads protecting proper operation of sensitive electronics.

Parameter	DVNG5009
DRIVE FILTER	
DC Voltage, max.	50VDC
Current, max.	
Single connection	9A
Parallel connection	18A
Nominal DC Resistance	<0.1Ω
DIN Rail Case Width	35mm (1.38")

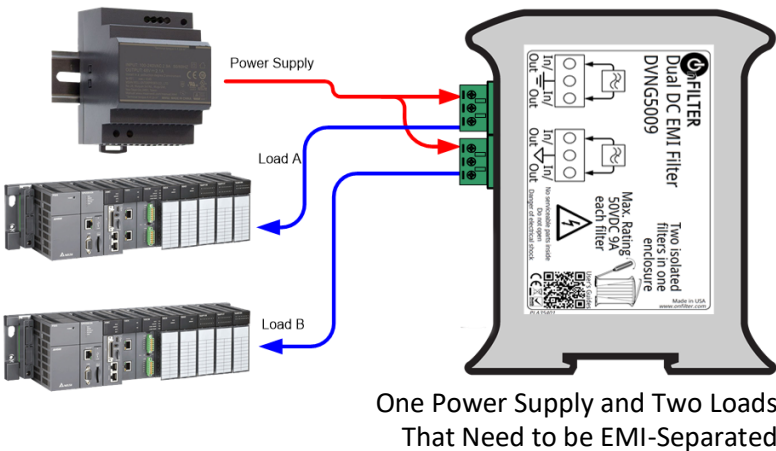
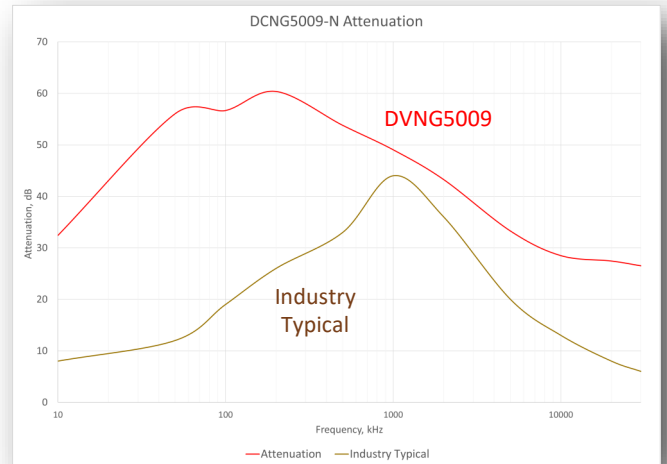
Typical Time-Domain Data



Typical Connections



Typical Frequency Domain Data



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Ordering Information

DC EMI Filter Model: DVNG5009

