

MFM

Motor Filter Module

PWM noise filter to minimize switching amplifier output noise

Modular panel-mount design for easy mounting and wiring

Works with any amplifier up to 340 VDC output

10 amp continuous current rating



Aerotech's MFM noise filter module is used to reduce conducted line noise generated by PWM (Pulse Width Modulation) switching servo amplifiers. The MFM is used with any MP, CP, HPe, or BA series amplifier to reduce output switching noise from these amplifiers. Applications with electronics sensitive to conducted noise will benefit from the MFM in-line filter. The MFM is installed between the PWM amplifier and the servomotor. When used in tandem with the UFM input power filter, conducted PWM amplifier noise is significantly reduced.

MFM Filter Specifications	
Input Voltage	0-340 VDC
Output Voltage	0-340 VDC
Continuous Current	10 A _{pk}
Peak Current	30 A _{pk}

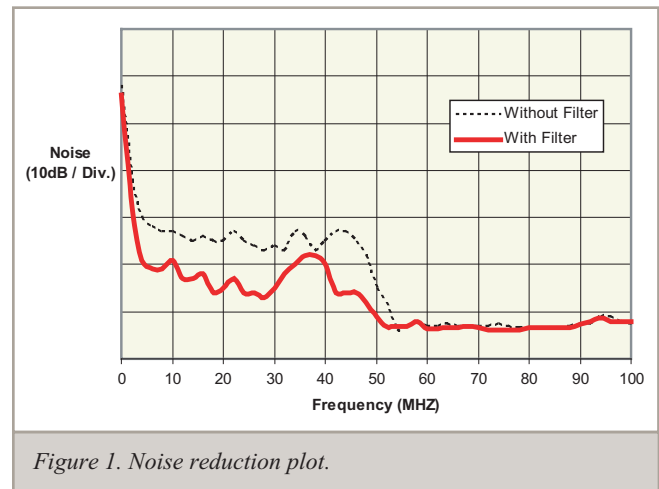
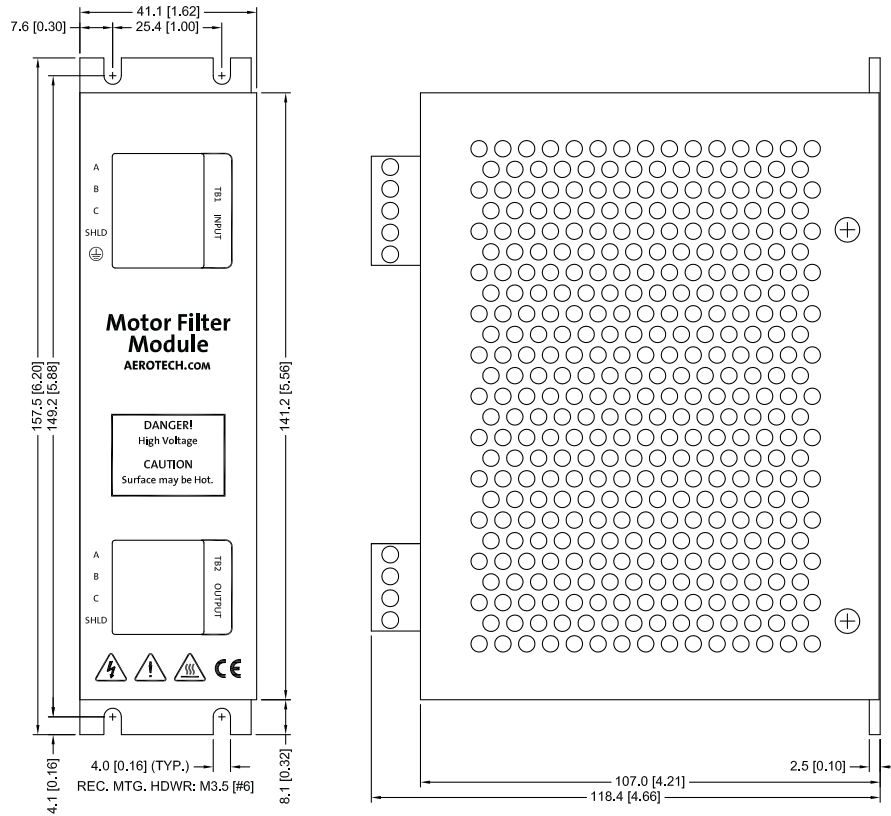


Figure 1. Noise reduction plot.

MFM Motor Filter Module

- MFM1 Motor filter module; PWM drive output filter for reducing conducted switching noise up to 10 dB; includes 12-inch long 10-amp cable compatible with CP and HPe amplifiers
- MFM2 Motor filter module; PWM drive output filter for reducing conducted switching noise up to 10 dB; includes 12-inch long 5-amp cable compatible with MP amplifiers

MFM DIMENSIONS



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