

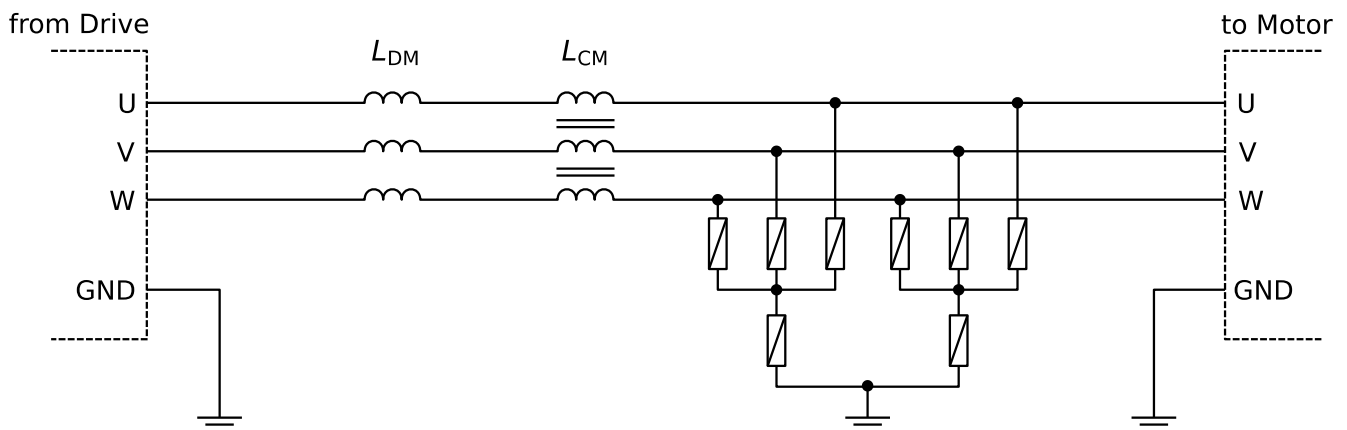
TFS-C and TFD-C Motor-Side Filters (Revision 1)

Pure common-mode filters for all motor types

Motor-side filters of the C-series are pure common mode filters. These filters can be used with all motor types and come as single-axis (TFS-C) or dual-axis (TFD-C) products.

Common-mode filters are designed to suppress common-mode voltage spikes, protecting motor bearings and tools from electro-erosion. Furthermore, the suppression of common-mode fluctuations reduces electromagnetic interference, which is key to achieving highest EMC standards.

These filters are designed for operation at PWM frequencies between 50 and 100 kHz.



	TFD-C-350-15-50	TFS-C-700-40-50	Units
Axes	2	1	-
Max Voltage	350+10%	700+10%	V _{dc}
Continuous Current	15	40	A _{rms}
Min PWM Frequency	50	50	kHz
Dimensions W×H×D	69 × 279 × 303	148 × 350 × 419	mm
Weight	3.50	14.70	kg
Cooling	Fan to cool passive elements; requires 24 VDC		-

Subject to change without notice.

Datasheet
TFS-C
TFD-C

Redefining
Motion
Control



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