

**Overview**

FAH PCB mount Suppression Filters are compact and feature high performance and low leakage. These EMI filters include low-cost encapsulation. The filters are designed with multiple combinations of enclosure sizes and current ratings, offering the utmost in flexibility and economy.

**Applications**

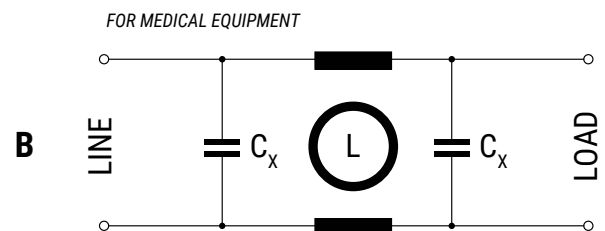
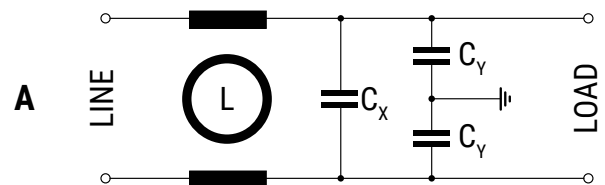
Typical applications include industrial measuring equipment, consumer electronics, low power SMPS, and other business and medical equipment.



**Technical Specifications**

Item	Parameters/Characteristics
Rated Voltage	250 VAC
Rated Frequency	50 – 60 Hz
Rated Current	0.5 – 6.5 A
Rated Temperature	40°C
Temperature Range	-25°C to +85°C
Climate Category	25/085/21
Voltage Test	P → P 1,700 VDC P → E 3,000 VDC

**Typical Electrical Schematic**



## Technical Specifications cont.

Part Number	$I_R$ (A)	L (mH)	$C_x$ ( $\mu$ F)	$C_y$ (nF)	$I_L$ (mA)	Circuit Diagram (Above)
FAHAV3100ZA	0.5	2 x 40	0.1	2.5	0.26	A
FAHAV3100ZB	1	2 x 10	0.1	2.5	0.26	A
FAHAV3100ZC	1.6	2 x 6	0.1	2.5	0.26	A
FAHAV3100ZD	2.5	2 x 2	0.1	2.5	0.26	A
FAHAV3100ZE	4	2 x 1	0.1	2.5	0.26	A
FAHAV3100ZF	6.5	2 x 1	0.1	2.5	0.26	A
FAHAV3200ZA	0.5	2 x 40	0.1	-	-	B
FAHAV3200ZB	1	2 x 10	0.1	-	-	B
FAHAV3200ZC	1.6	2 x 6	0.1	-	-	B
FAHAV3200ZD	2.5	2 x 2	0.1	-	-	B
FAHAV3200ZE	4	2 x 1	0.1	-	-	B
FAHAV3200ZF	6.5	2 x 1	0.1	-	-	B

## Approvals

The FAH is designed according to IEC/EN/UL 60939 and UL 1283.

Standard	Certification Body
IEC/EN 60939-2	VDE
CSA C22.2 No. 8	CSA

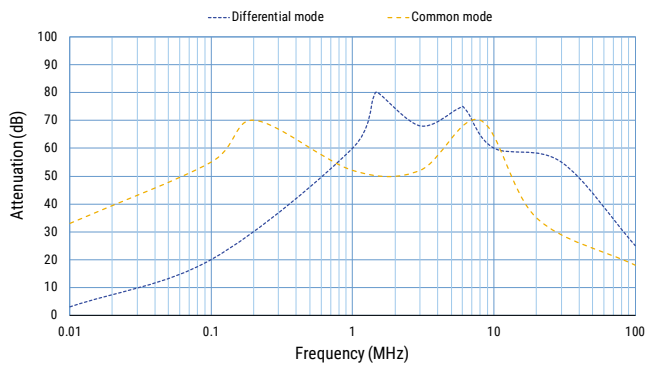
## Environmental Compliance

KEMET EMI filters are RoHS Compliant.

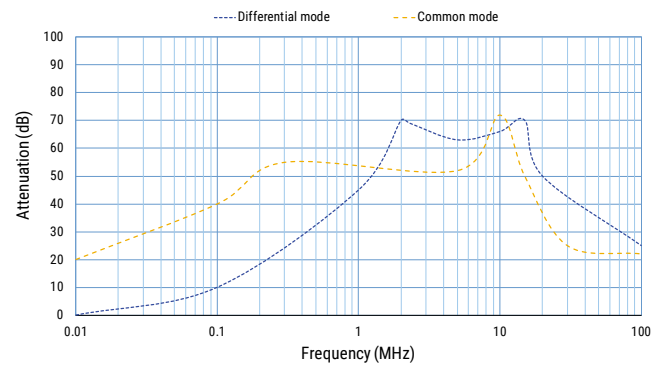


## Typical Insertion Loss

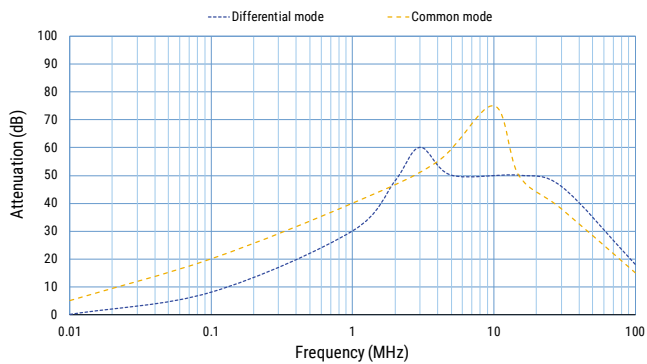
0.5 A



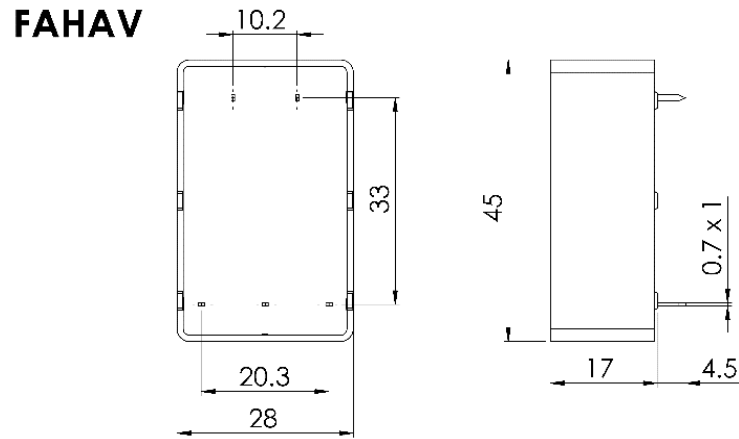
1 and 1.6 A



2.5, 4, and 6 A



## Mechanical Dimensions – Millimeters



- Self-extinguishing plastic case
- Sealed with self-extinguishing resin
- Pin connection for PCB 0.7 x 1 x 4.5 mm (FAHAV)

Tolerances, if not stated, according to ISO 2768-c.

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