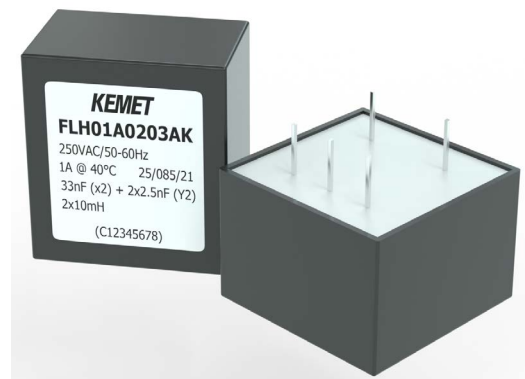


## Overview

FLH is a range of compact, PCB mountable EMI filters with plastic enclosure and are sealed with self-extinguishing resin. Current ratings from 1 to 6 A, with high performance to size ratio.

## Applications

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

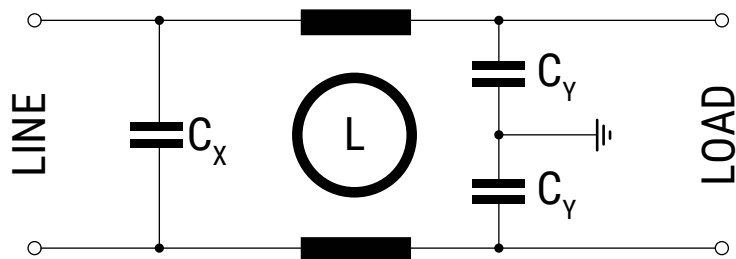


## Technical Specifications

Item	Parameters/ Characteristics
Rated Voltage	250 VAC
Rated Frequency	50 – 60 Hz
Rated Current	1 – 6 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

## Technical Specifications cont.

Typical Electrical Schematic



Part Number	Rated Current at 40°C (A)	C <sub>x</sub> (μF)	L (mH)	C <sub>y</sub> (nF)	Leakage Current
FLH01A0203AK	1	0.033	2x10	2x2.5	0.2
FLH01A0603AK	1	0.033	2x10	-	-
FLH03A0303AK	3	0.033	2x2.5	2x2.5	0.2
FLH03A0703AK	3	0.033	2x2.5	-	-
FLH06A0403AK	6	0.033	2x1	2x2.5	0.2
FLH06A0803AK	6	0.033	2x1	-	-

\* Leakage current at 250 VAC/50 Hz according to IEC60939-3. Medical version without C<sub>y</sub>-capacitors, no leakage current.

## Approvals

Standard	Certification Body	File Number
IEC/EN 60939-2	VDE	40031548

## Environmental Compliance

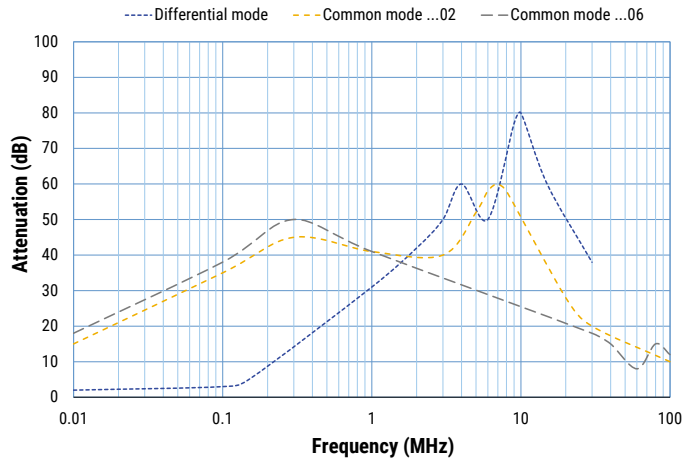
KEMET EMI filters are RoHS Compliant.



## Typical Insertion Graphs

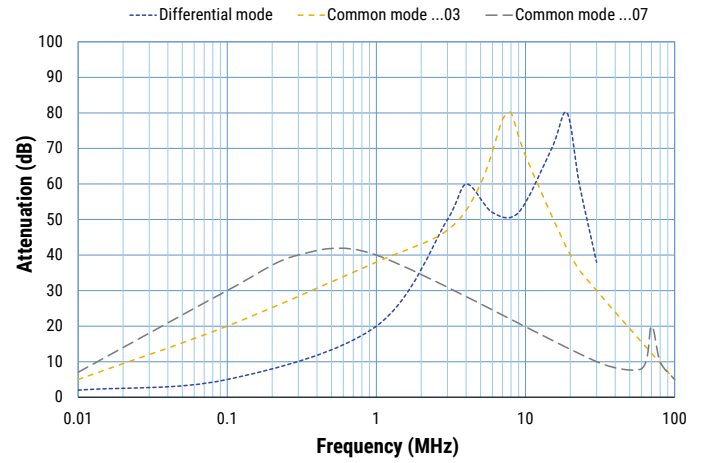
1 A

FLH01A ...



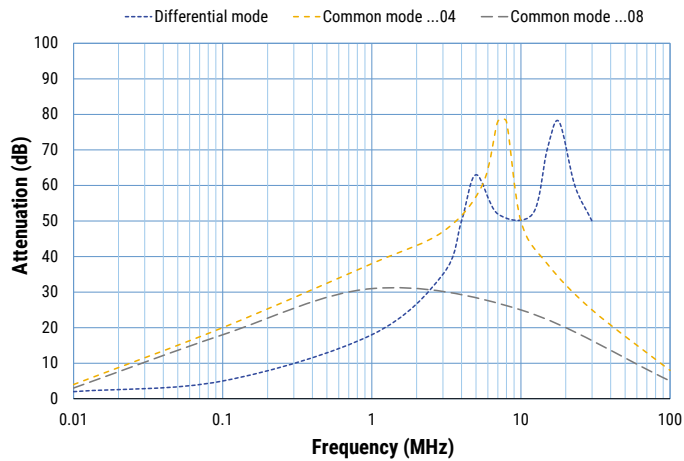
3 A

FLH03A ...

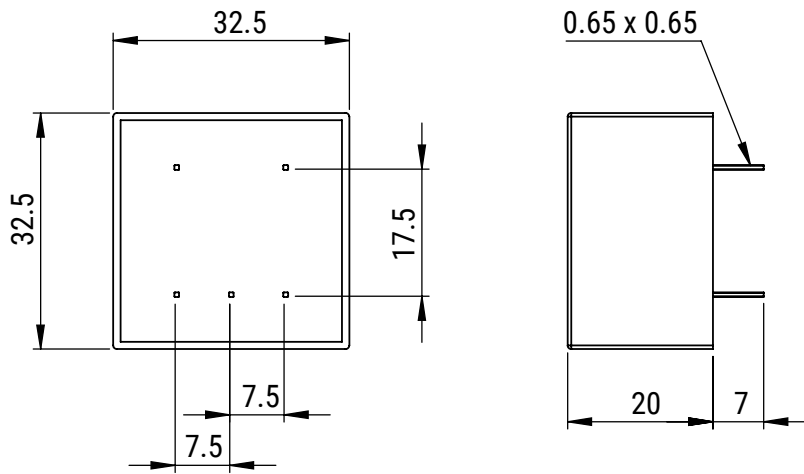


6 A

FLH06A ...



## Mechanical Dimensions – Millimeters



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