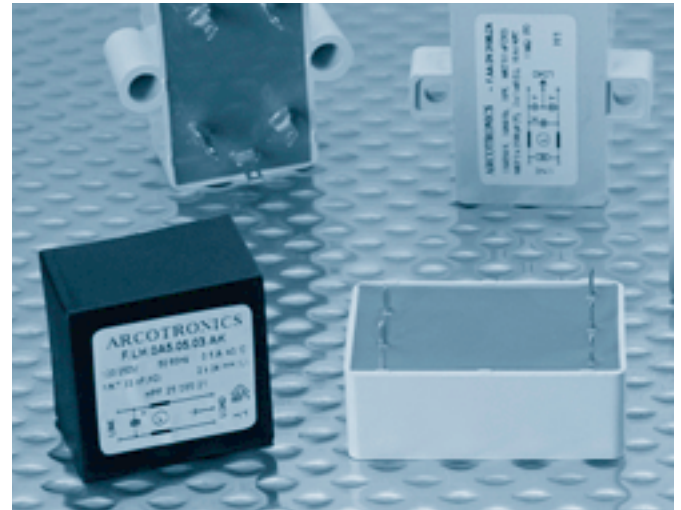


## General purpose PCB mount

A range of compact, plastic enclosure, directly mountable PCB filters. Suitable for use with digital equipments, low power SMPS, and consumer electronics.

- Current ratings from 0.5A to 6A
- High performance to size ratio
- Compact PCB mount footprint
- Medical versions available



## Mechanical Specifications

Manufacture: plastic case sealed with self-extinguishing resin.  
Connections: for P.C.B. mounting.

## Electrical Specifications

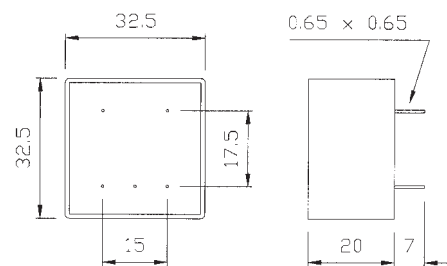
Rated voltage ( $V_R$ ): max 250V, 50/60Hz  
 Rated current ( $I_R$ ): referred to room temperature = 40°C  
 Leakage current ( $I_L$ ): at 220V, 50Hz, max value  
 Voltage test (2s.): line to ground 3000Vdc or 1800Vac  
 line to line 1700Vdc  
 Climatic category: HPF (25/085/21);  
 temperature range: -25°C to +85°C

## Filter Range

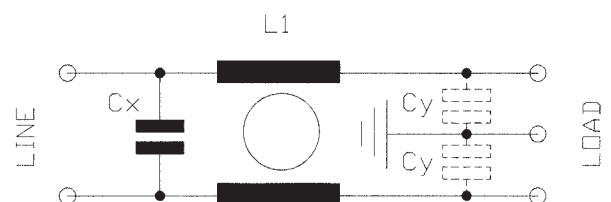
Code	$I_R$ (A)	L (mH)	$C_x$ ( $\mu$ F)	$C_y$ (pF)	$I_L$ (mA)
F.LH.0A5.01.03.AK	0.5	2x24	0.033	2x2500	2x0.23
F.LH.0A5.05.03.AK	0.5	2x24	0.033		2x0.002
F.LH.01A.02.03.AK	1	2x10	0.033	2x2500	2x0.23
F.LH.01A.06.03.AK	1	2x10	0.033		2x0.002
F.LH.03A.03.03.AK	3	2x2.5	0.033	2x2500	2x0.23
F.LH.03A.07.03.AK	3	2x2.5	0.033		2x0.002
F.LH.06A.04.03.AK	6	2x1	0.033	2x2500	2x0.23
F.LH.06A.08.03.AK	6	2x1	0.033		2x0.002

FIL5001 = F.LH.01A.02.03.AK  
 FIL5003 = F.LH.03A.03.03.AK  
 FIL5006 = F.LH.06A.04.03.AK

## Dimensions (mm) and connections



## Circuit diagram



Insertion loss (typical): — Asymmetrical (line to ground)    - - - Symmetrical (line to line)

