

### General purpose Chassis and PCB mount

A series of compact, high performance, low leakage PCB and chassis mount suppression filters - with multiple combinations of enclosure size, current ratings and termination styles. This range offers flexibility and economy. Typical applications include industrial measuring equipment, consumer electronics and low power SMPS.

- Current ratings from 0.5A to 10A
- Compact PCB or chassis mount footprint
- Low profile variants (F.AH)
- PCB or fast-on terminations
- Medical versions available



### Mechanical Specifications

Manufacture: plastic case sealed with self-extinguishing resin.

Connections: for PCB mounting (F.A-.AV) or with faston 2.8x0.5 mm (F.A-.AA F.A-.DA).

### 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

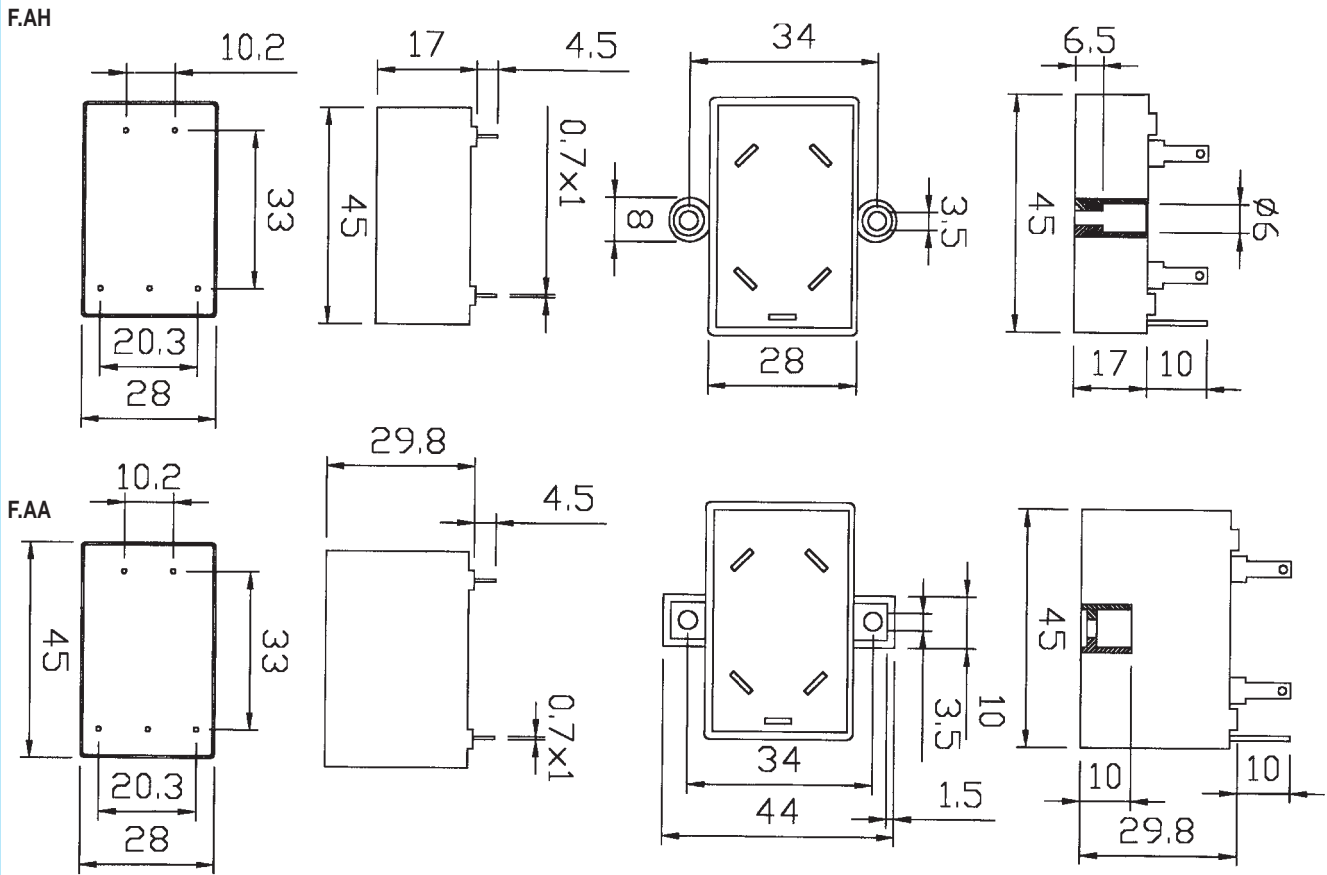
### Filter Range

Code	$I_R$ (A)	L (mH)	Cx ( $\mu$ F)	Cy (pF)	$I_L$ (mA)	R (M $\Omega$ )	Circ Diag
F.AH.--3100.ZA	0.5	2x40	0.1	2x2500	2x0.23		A ●
F.AH.--3100.ZB	1	2x10	0.1	2x2500	2x0.23		A ●
F.AH.--3100.ZC	1.6	2x6	0.1	2x2500	2x0.23		A ●
F.AH.--3100.ZD	2.5	2x2	0.1	2x2500	2x0.23		A ●
F.AH.--3100.ZE	4	2x1	0.1	2x2500	2x0.23		A ●
F.AH.--3100.ZF	6.5	2x1	0.1	2x2500	2x0.23		A ●
▲ F.AH.--3100.ZG	5	2x2	0.1	2x2500	2x0.23		A ●
▲ F.AH.--3100.ZK	0.5	2x40	0.1	2x4700	2x0.43		A ●
▲ F.AH.--3100.ZL	1	2x10	0.1	2x4700	2x0.43		A ●
▲ F.AH.--3100.ZM	1.6	2x6	0.1	2x4700	2x0.43		A ●
▲ F.AH.--3100.ZN	2.5	2x2	0.1	2x4700	2x0.43		A ●
▲ F.AH.--3100.ZP	6.5	2x1	0.1	2x4700	2x0.43		A
F.AH.--3200.ZA	0.5	2x40	2x0.1		2x0.02		E
F.AH.--3200.ZB	1	2x10	2x0.1		2x0.02		E
F.AH.--3200.ZC	1.6	2x6	2x0.1		2x0.02		E
F.AH.--3200.ZD	2.5	2x2	2x0.1		2x0.02		E
F.AH.--3200.ZE	4	2x1	2x0.1		2x0.02		E
F.AH.--3200.ZF	6.5	2x1	2x0.1		2x0.02		E
■ F.AA.--3100.ZA	10	2x1	0.1	2x2500	2x0.23	1	A
▲ F.AA.--3100.ZB	1	2x10	0.1	2x2500	2x0.23		A
▲ F.AA.--3220.ZB	0.5	2x40	0.22	2x2200	2x0.20	1.5	B
▲ F.AA.--3220.ZC	6.5	2x1	0.22	2x2500	2x0.23	1	A
▲ F.AA.--3330.ZA	0.5	2x40	0.33	2x4700	2x0.43	1	C
▲ F.AA.--3680.ZA	0.5	2x40	0.68	2x4700	2x0.43	0.47	C

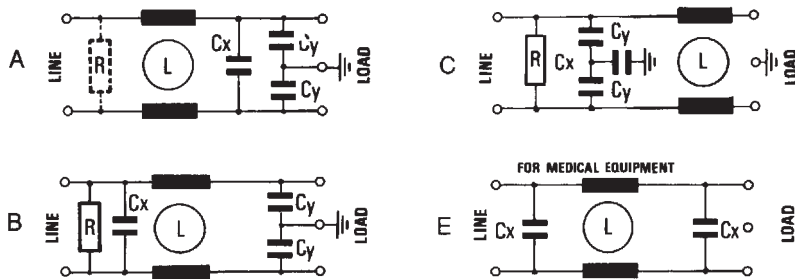
A = Faston 2.8 x 0.5 mm  
V = For PCB mounting  
A = Case without brackets  
D = Case with brackets

▲ No approvals. ● Also available in circuit B on request, no approvals. ■ VDE approved only.

### Dimensions (mm) and connections

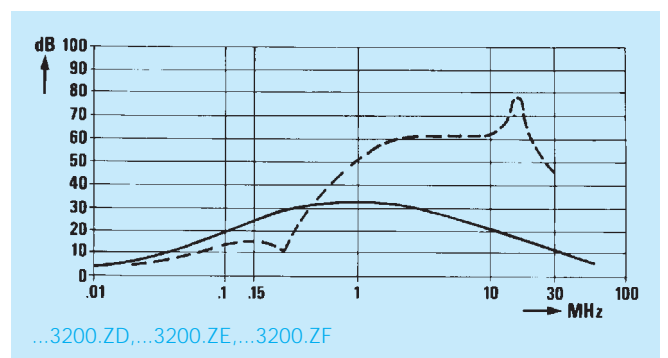
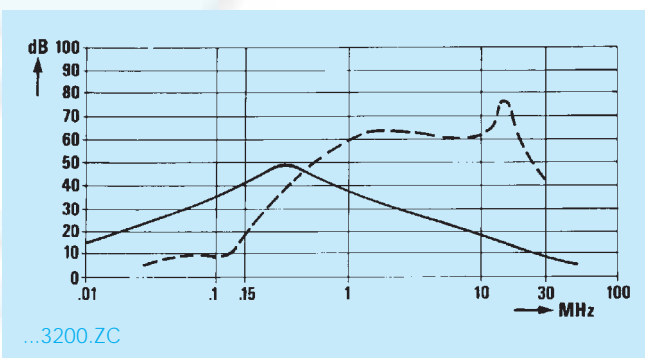
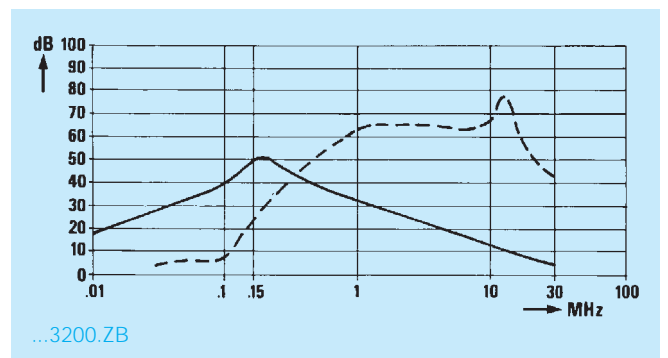
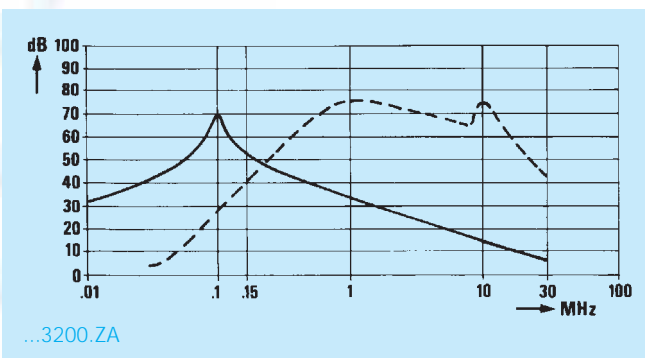
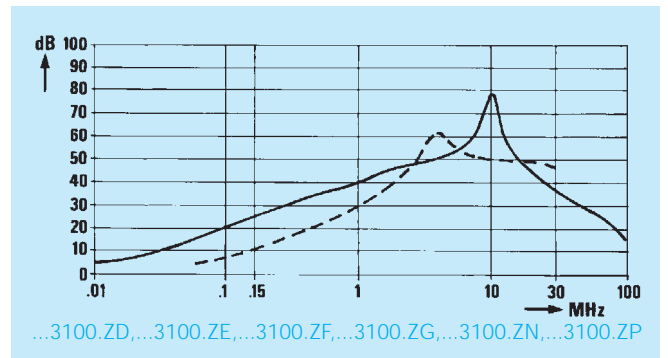
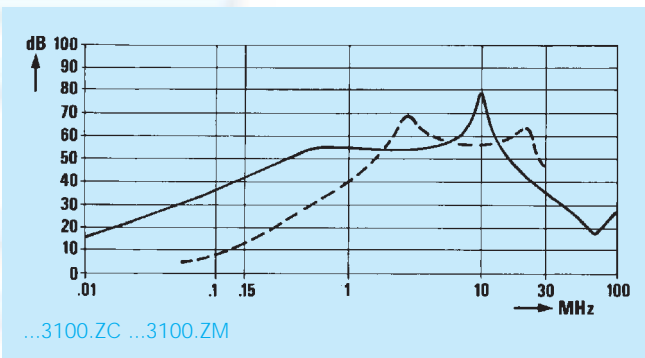
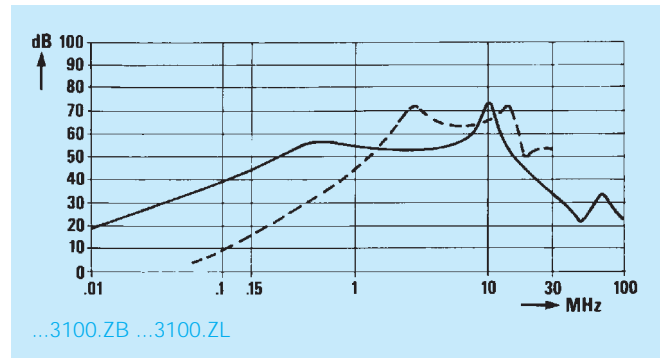
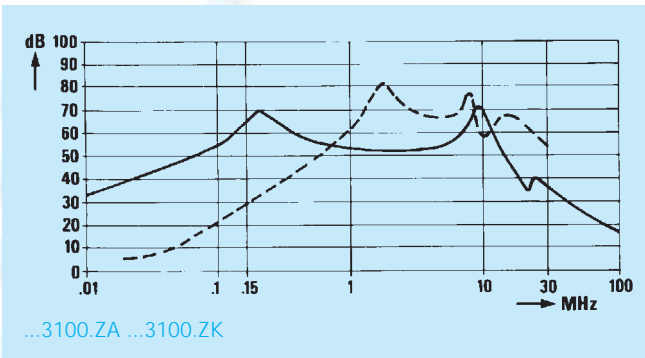


### Circuit diagram



### F.AH

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



## F.AA

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

