

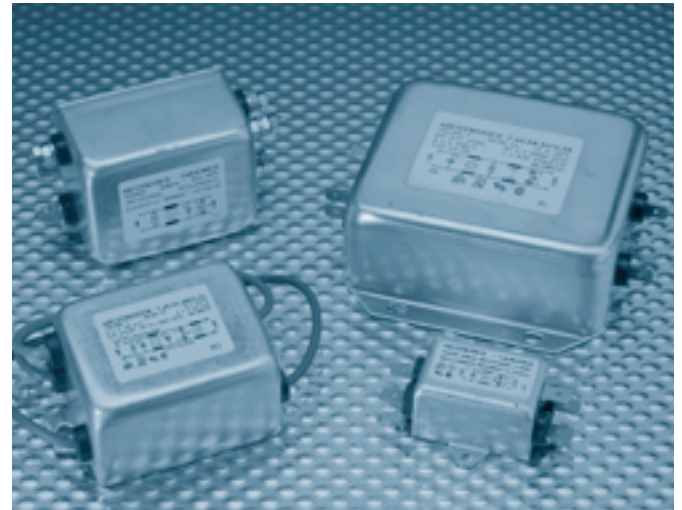
Single phase - general purpose

Comprehensive family of single and multi-stage chassis mount filters. Throughout the power range, a high level of performance is provided within various sizes and styles of metal enclosure and termination options.

Designed to provide economic solutions to a multitude of general purpose filtering requirements; industrial power equipment, office, business and medical equipments.

The two stage FAS series is specifically designed to suppress RFI generated by switch mode power supply applications.

- Current ratings from 0.5A to 40A
- High symmetric and asymmetric attenuation
- Earth line choke and medical versions available
- Custom designs to client specifications



Mechanical Specifications

Manufacture: metal case and cover, internal components sealed with self-extinguishing resin.

Connections: faston 6.3 x 0.8mm ($\leq 16A$),
flexible leads, screws M4 ($\leq 40A$)
ground terminal connected to case.

Electrical Specifications

Rated voltage (V_R): max 250V, 50/60Hz

Rated current (I_R): referred to room temperature = 40°C

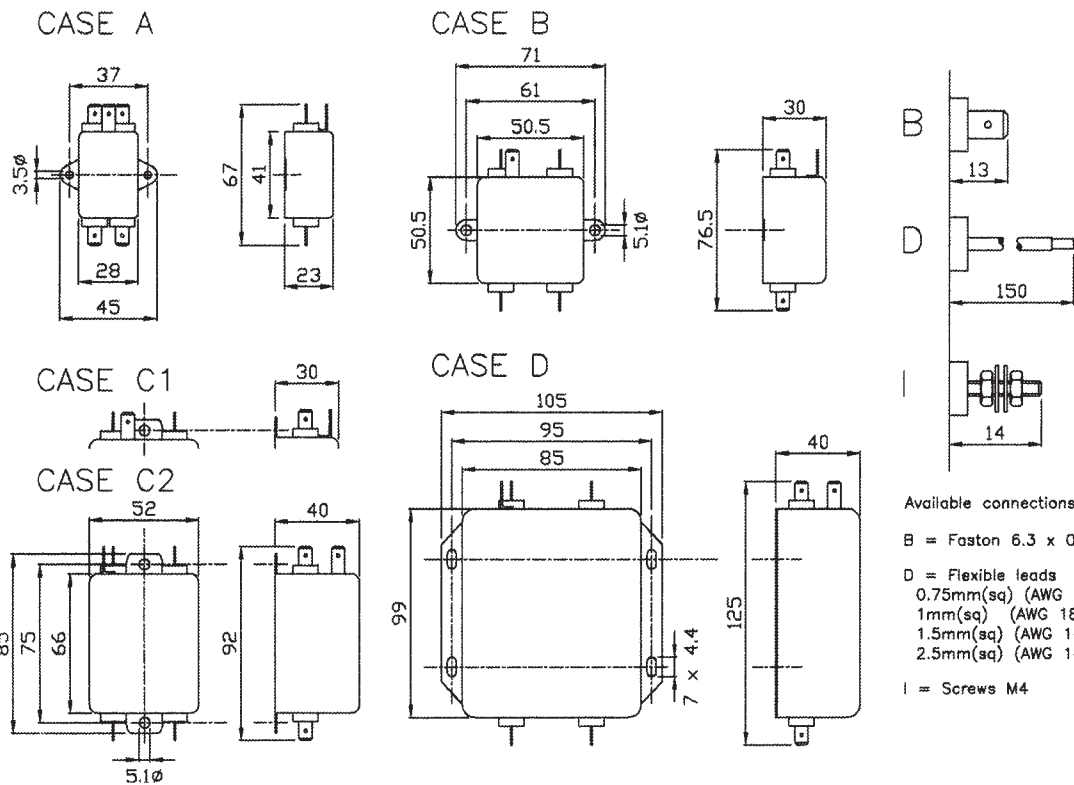
Leakage current (I_L): at 220V, 50Hz, max value

Voltage test (2_s): line to ground 3000Vdc or 1800Vac
line to line 1700Vdc

Climatic category: HPF (25/085/21);

Temperature range: -25°C to +85°C

Dimensions (mm)



Available connections

B = Faston 6.3 x 0.8 ($\leq 16A$)

D = Flexible leads
0.75mm(sq) (AWG 20) for $I_R \leq 2A$
1mm(sq) (AWG 18) for $2A < I_R \leq 3A$
1.5mm(sq) (AWG 16) for $3A < I_R \leq 9A$
2.5mm(sq) (AWG 14) for $I_R > 9A$

I = Screws M4

Chassis Mount Filters

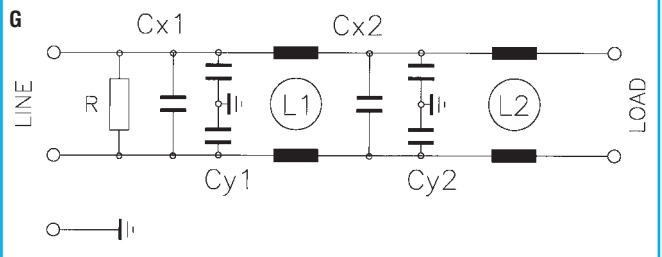
F.AI-F.AM-F.AK-F.AR-F.AS series

F.AR Code	I _R (A)	L ₁ (mH)	L ₂ (mH)	C _{X1} (μF)	C _{X2} (μF)	C _{Y1} (pF)	C _{Y2} (pF)	I _L (mA)	R (MΩ)	Circ	Case
F.AR.D-.3620.ZA	1.5	2x7	2x7	0.47	0.15		2x2200	2x0.2	0.47	G	C2
F.AR.D-.3620.ZB	2.5	2x12	2x2	0.47	0.15		2x2200	2x0.2	0.47	G	C2
F.AR.D-.3620.ZC	5	2x7	2x7	0.47	0.15		2x2200	2x0.2	0.47	G	C2
F.AR.D-.3620.ZD	8.5	2x10	2x3	0.47	0.15		2x2200	2x0.2	0.47	G	D
▲ F.AR.D-.3940.ZA	0.5	2x40	2x40	0.47	0.47		2x3300	2x0.3	0.33	G	C1

B = Faston 6.3x0.8mm
 D = Flexible leads
 I = Screws M4

▲ No approvals

Circuit diagram

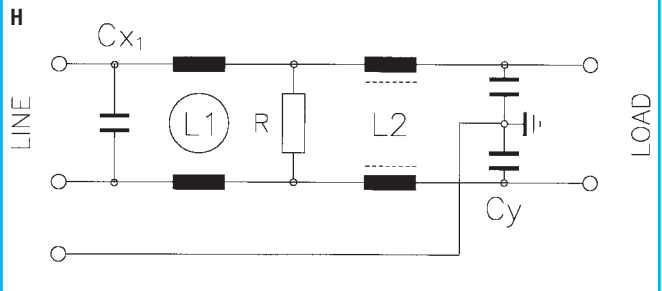


F.AS Code	I _R (A)	L ₁ (mH)	L ₂ (mH)	C _{X1} (μF)	C _Y (pF)	I _L (mA)	R (MΩ)	Circ	Case
F.AS.D-.3220.ZA	1	2x22	2x0.3	0.22	2x4700	2x0.43	1	H	B
F.AS.D-.3220.ZB	2.5	2x16	2x0.3	0.22	2x4700	2x0.43	1	H	C2
F.AS.D-.3470.ZA	6.5	2x4	2x0.05	0.47	2x22000	2x2	0.47	H	D
F.AS.D-.3470.ZB	10	2x4	2x0.05	0.47	2x22000	2x2	0.47	H	D
F.AS.D-.3940.ZA	4	2x8	2x0.05	0.94	2x22000	2x2	0.33	H	C2
▲ F.AS.D-.3940.ZC	10	2x4	2x0.05	2x0.47	2x22000	2x2	0.33	H	D

B = Faston 6.3x0.8mm
 D = Flexible leads
 I = Screws M4

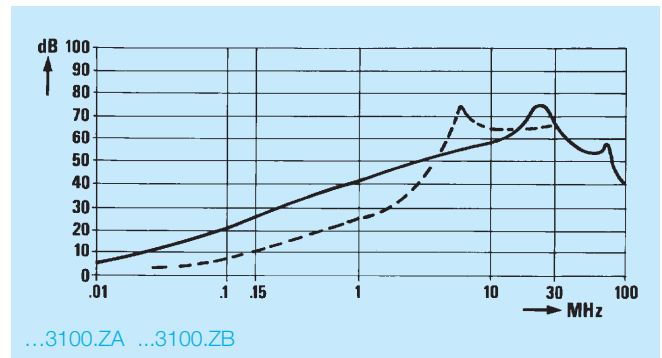
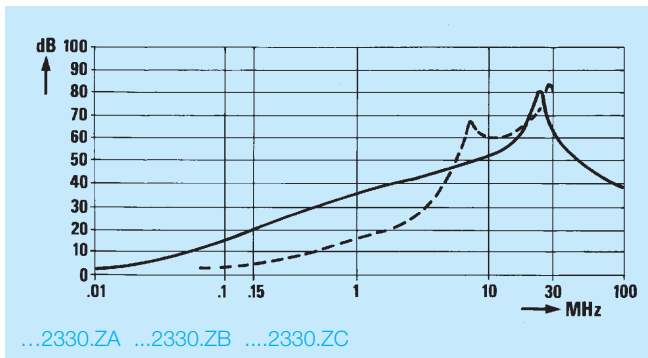
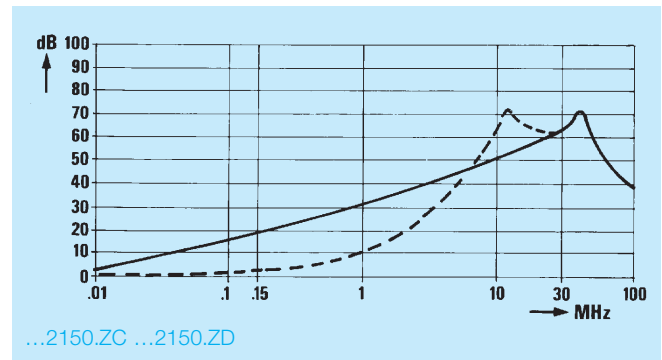
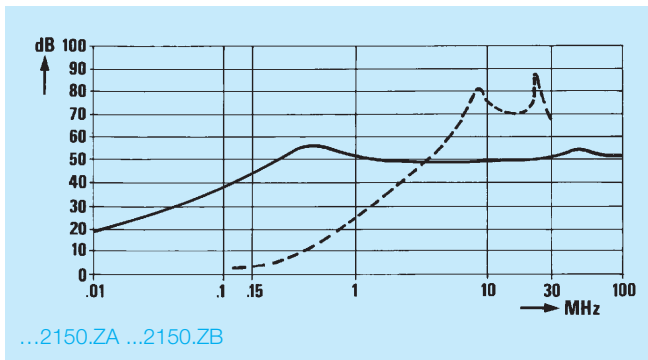
▲ No approvals

Circuit diagram



F.AI

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

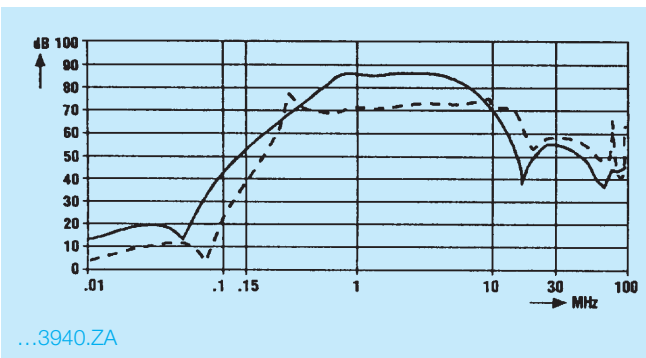
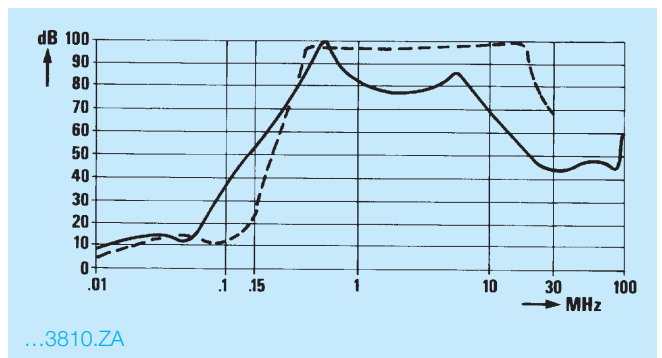
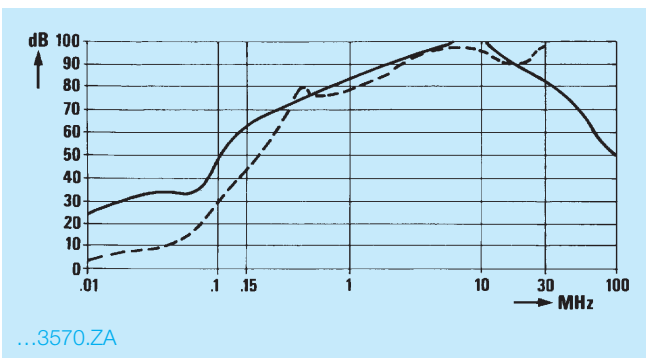
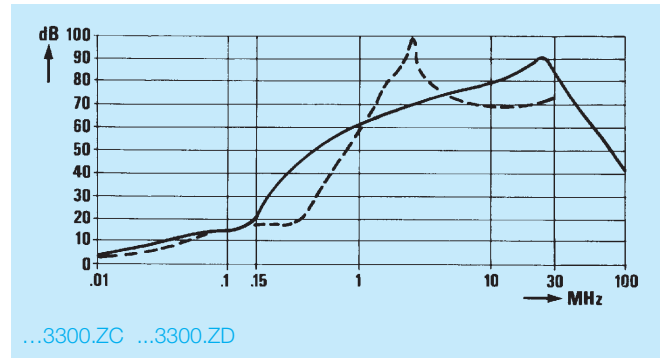
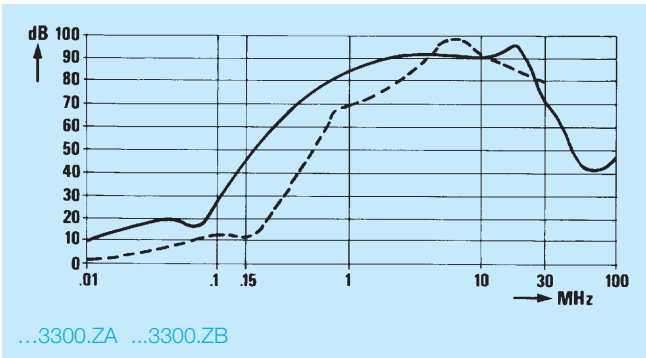


Approvals



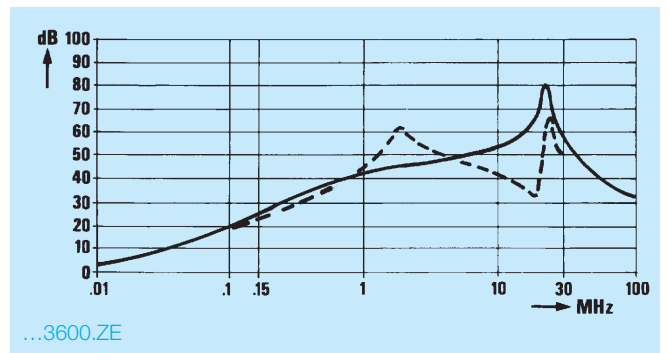
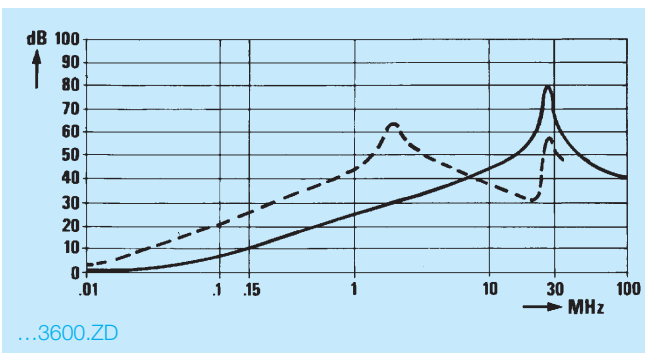
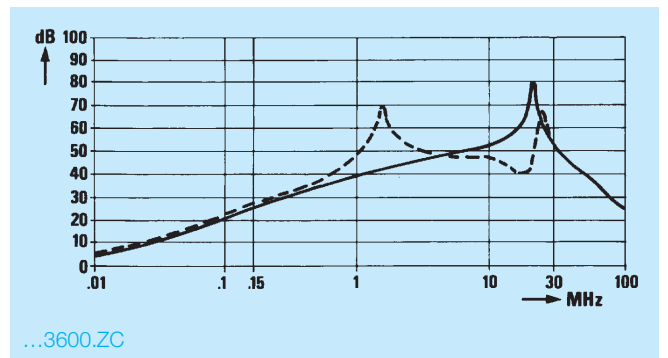
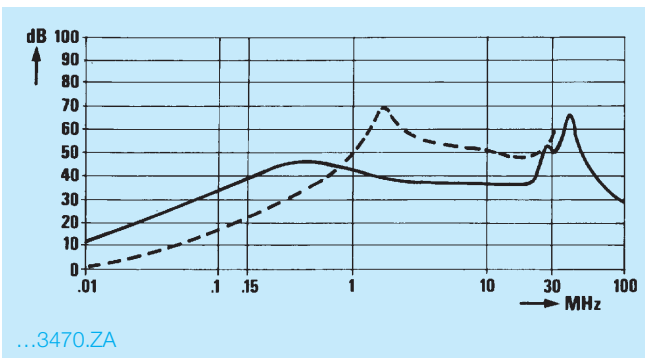
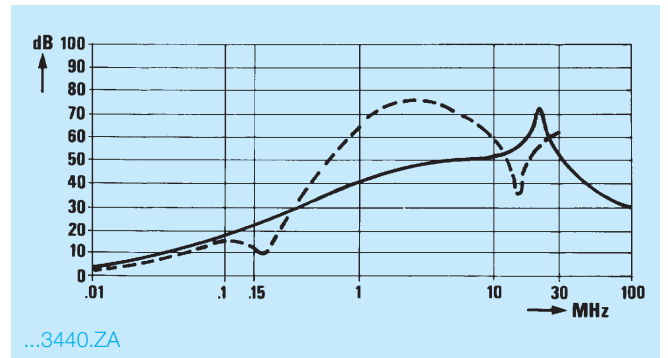
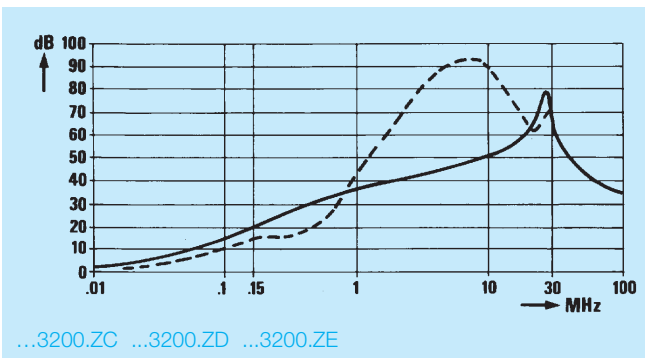
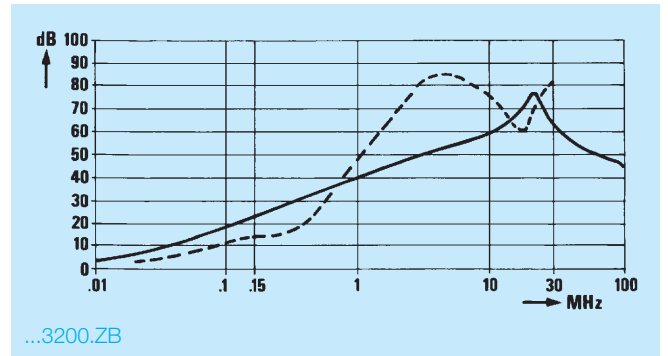
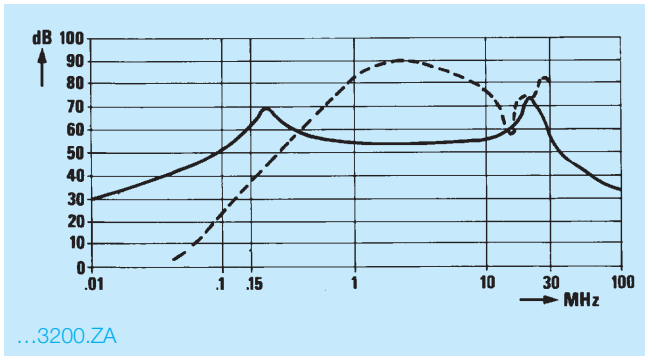
F.AK

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



F.AM

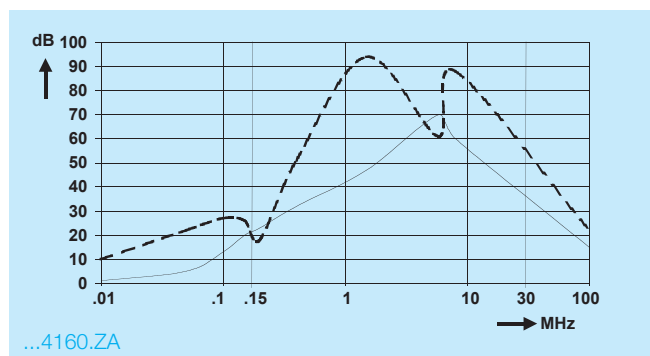
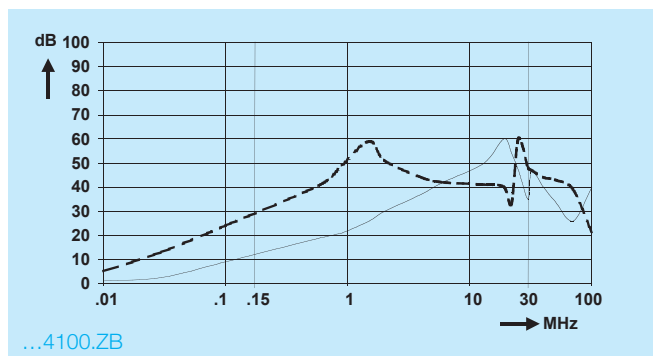
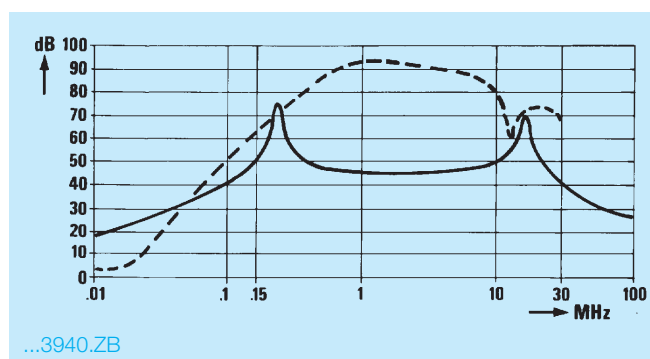
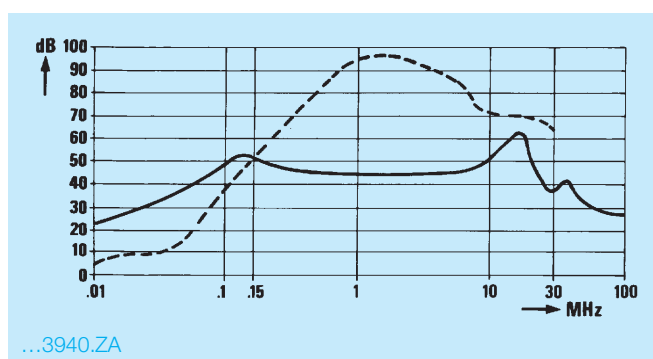
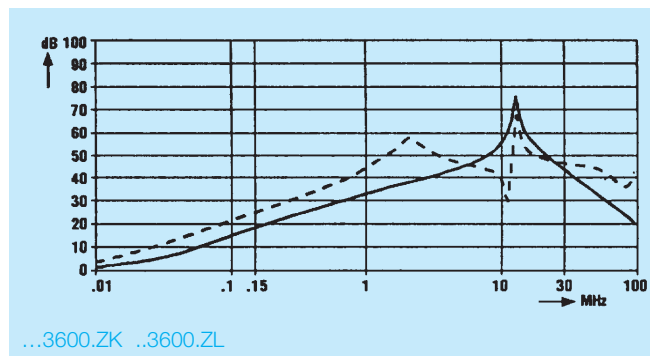
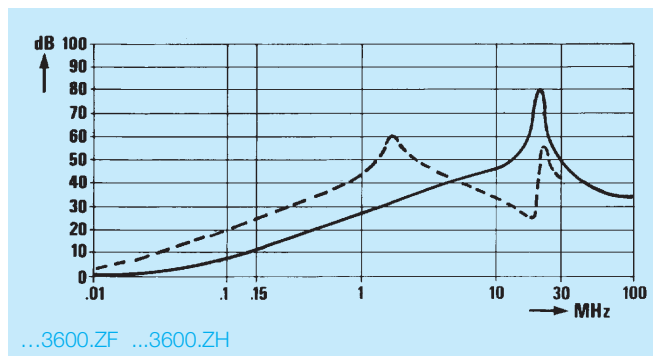
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Chassis Mount Filters

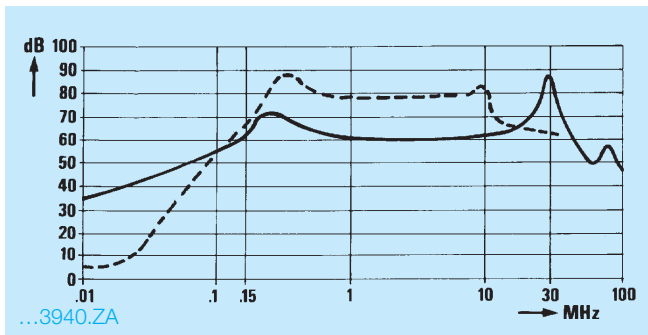
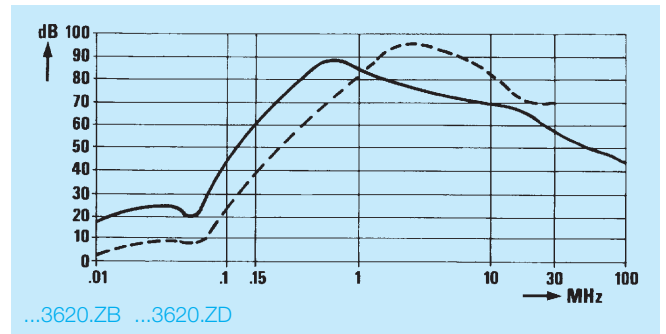
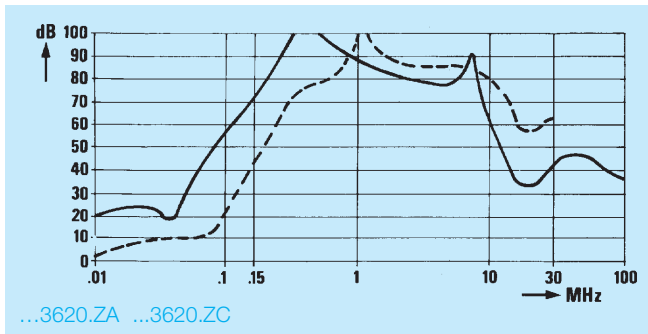
F.AI-F.AM-F.AK-F.AR-F.AS series

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



F.AR

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



F.AS

