Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Chassis Mount Filters - Motor Drive Filters FA series

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 asymetric 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 (≤ 16A), flexible leads, screws M4 (≤ 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

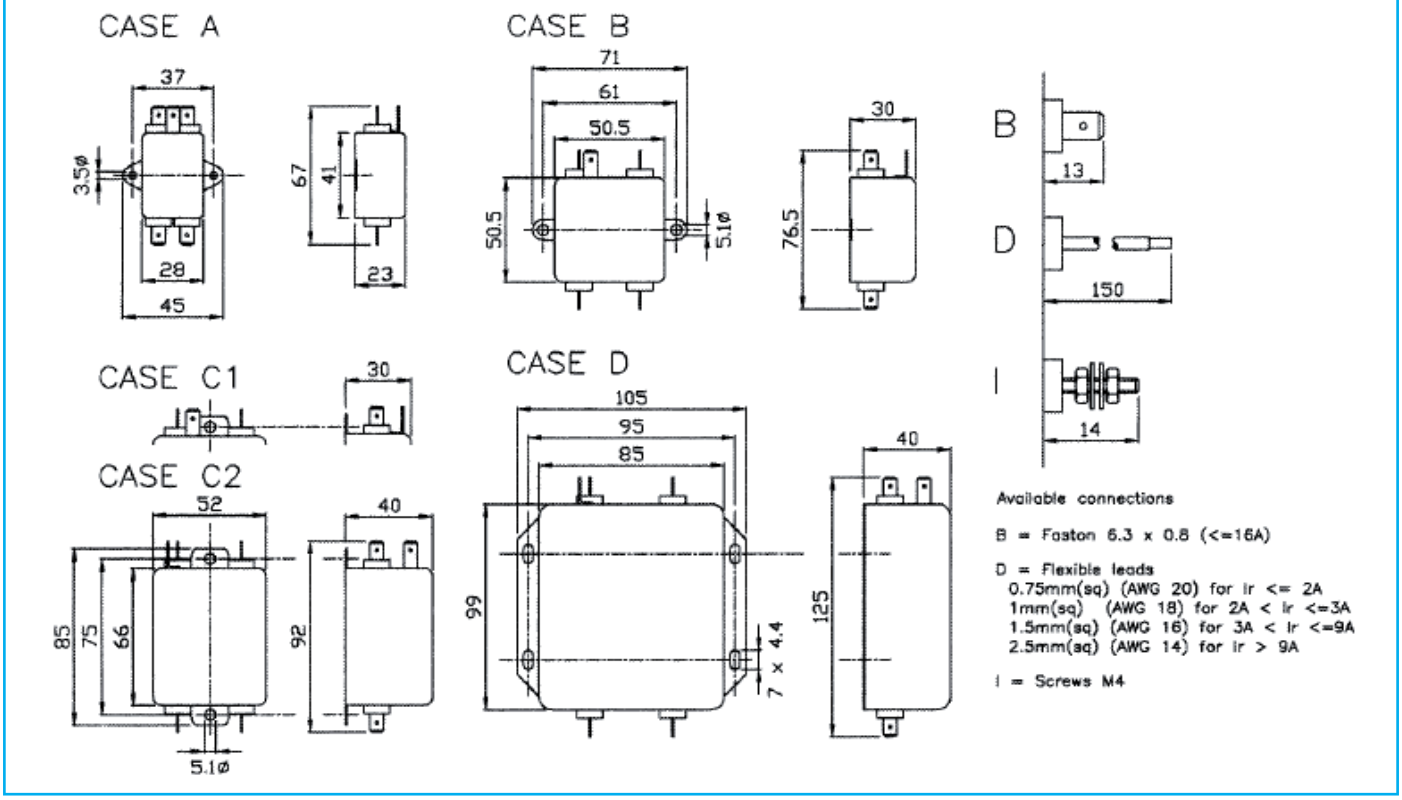
Voltage test (2 s.): line to ground 3000Vdc or 1800Vac

line to line 1700Vdc

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

Temperature range: -25°C to +85°C

Dimensions (mm)



Approvals

60939-2 | in progress | 1283 | 22.2 N°8

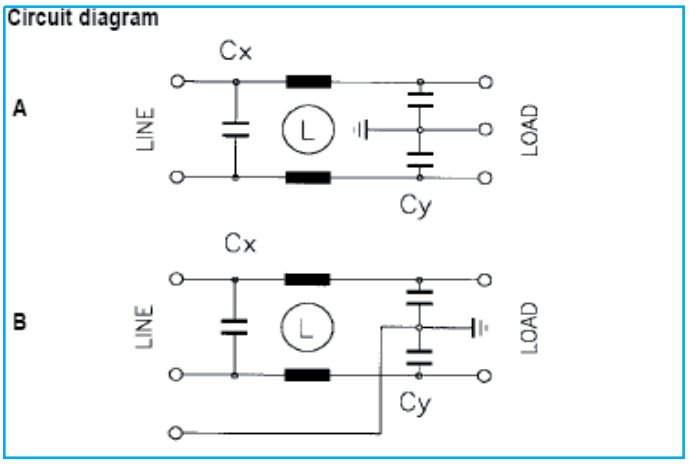
Filter Range

FAI Code	I_R (A)	L (mH)	Cx (µF)	Cy (pF)	I_L (mA)	R (MΩ)	Circ Diag	Case
FAIDB2150ZA	1.5	2x10	0.015	2x2200	2x0.2		A	A
FAIDB2150ZB	1	2x10	0.015	2x2200	2x0.2		A	A
FAIDB2150ZC	3	2x2	0.015	2x2200	2x0.2		A	A
FAIDB2150ZD	6.5	2x1	0.015	2x2200	2x0.2		A	A
FAID-2330ZA	10	2x0.5	0.033	2x2200	2x0.2	1	B	B
FAID-2330ZB	20	2x0.5	0.033	2x2200	2x0.2	1	B	B
FAID-2330ZC	30	2x0.6	0.033	2x2200	2x0.2	1	B	D
FAID-3100ZA	5	2x1	0.1	2x3200	2x0.29	1	B	B
FAID-3100ZB	5	2x1.7	0.1	2x3200	2x0.29	1	B	B

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

* other variants on request

Circuit diagram



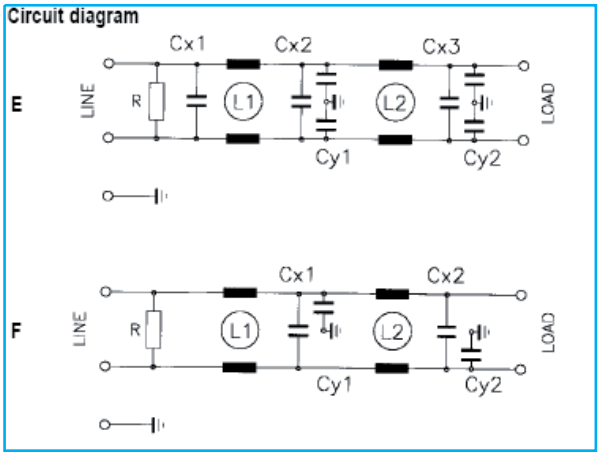
	FAK Code	I_R (A)	L_1 (mH)	L_2 (mH)	Cx_1 (µF)	Cx_2 (µF)	Cx_3 (µF)	Cy_1 (pF)	Cy_2 (pF)	I_L (mA)	R (MΩ)	Circ Diag	Case
	FAKD-3300ZA	3	2x2	2x2	0.15	0.15		2x2200		2x0.2	1	E	C1
	FAKD-3300ZB	6	2x1	2x1	0.15	0.15		2x2200		2x0.2	1	E	C1
	FAKD-3300ZC	10	2x0.5	2x0.5	0.15	0.15		2x2200		2x0.2	1	E	C2
	FAKD-3300ZD	20	2x0.5	2x0.5	0.15	0.15		2x2200		2x0.2	1	E	D
	FAKD-3570ZA	2.5	2x1	2x25		0.47	0.1	2x3300	2x3300	2x0.6	0.68	E	D
	FAKD-3810ZA	10	2x2.3	2x2.3	0.27	0.27	0.27	2x5500	2x1000	2x0.6	0.33	E	D
■	FAKD-3940ZA	3	2x4.7	2x4.7	0.47	0.47		2x4700		2x0.5	0.24	F	C2

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

VDE 60939-2
■ UL approval only

* other variants on request

Circuit diagram



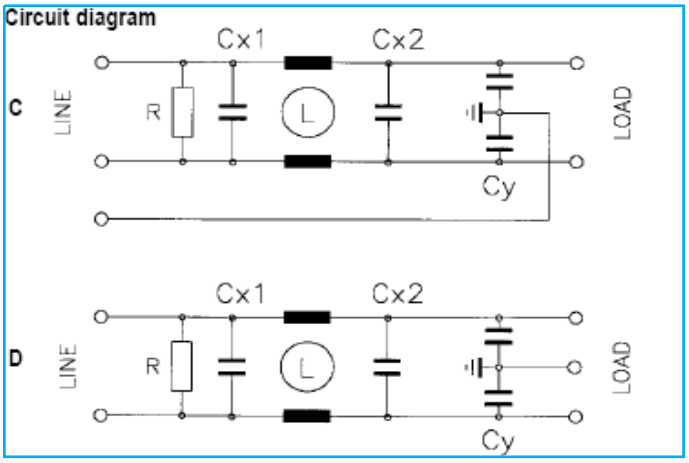
	FAM Code	I_R (A)	L (mH)	Cx_1 (µF)	Cx_2 (µF)	Cy (pF)	I_L (mA)	R (MΩ)	Circ Diag	Case
	FAMD-3200ZA	1	2x40	0.1	0.1	2x4700	2x0.43	0.68	C	B
	FAMD-3200ZB	5	2x1	0.1	0.1	2x3200	2x0.29	0.68	C	B
	FAMD-3200ZC	10	2x0.5	0.1	0.1	2x2200	2x0.20	0.68	C	B
	FAMD-3200ZD	20	2x0.5	0.1	0.1	2x2200	2x0.20	0.68	C	C2
	FAMD-3200ZE	30	2x0.6	0.1	0.1	2x2200	2x0.20	0.68	C	D
▲	FAMD-3440ZA	10	2x1	0.22	0.22	2x4700	2x0.43	0.47	D	B
	FAMD-3470ZA	6.5	2x4		0.47	2x1000	2x0.09	0.68	C	C2
	FAMD-3600ZC	16	2x1		0.6	2x2500	2x0.23	0.47	C	C2
	FAMD-3600ZD	22	2x0.2		0.6	2x2500	2x0.23	0.47	C	C2
▲	FAMD-3600ZE	20	2x1		0.6	2x4700	2x0.43	0.47	D	C2
▲	FAMD-3600ZF	40	2x0.23		0.6	2x4700	2x0.43	0.47	D	C2
▲	FAMD-3600ZH	30	2x0.23		0.6	2x4700	2x0.43	0.47	D	C2
▲	FAMD-3600ZK	25	2x0.5	0.6		2x4700	2x0.43	0.47	D	C2
▲	FAMD-3600ZL	25	2x0.5	0.6		2x22000	2x2.0	0.47	D	C2
	FAMD-3940ZA	4.5	2x20	0.47	0.47	2x10000	2x0.91	0.33	C	C2
	FAMD-3940ZB	3.3	2x13	0.47	0.47	2x6800	2x0.62	0.33	C	C2
■	FAMD-4100ZB	16	2x0.5		1.0	2x2500	2x0.23	0.33	D	C2
▲	FAMD-4160ZA	25	2x0.5	1.0	0.68	2x22000	2x2.0	0.47	C	C2

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

▲ VDE 60939-2 only
■ UL approval only

* other variants on request

Circuit diagram



Filter Range

	FAR Code	I_R (A)	L_1 (mH)	L_2 (mH)	Cx_1 (µF)	Cx_2 (µF)	Cy_1 (pF)	Cy_2 (pF)	I_L (mA)	R (MΩ)	Circ Diag	Case
	FARD-3620ZA	1.5	2x7	2x7	0.47	0.15		2x2200	2x0.2	0.47	G	C2
	FARD-3620ZB	2.5	2x12	2x2	0.47	0.15		2x2200	2x0.2	0.47	G	C2
	FARD-3620ZC	5	2x7	2x7	0.47	0.15		2x2200	2x0.2	0.47	G	C2
	FARD-3620ZD	8.5	2x10	2x3	0.47	0.15		2x2200	2x0.2	0.47	G	D
▲	FARD-3940ZA	0.5	2x40	2x40	0.47	0.47	2x3300		2x0.3	0.33	G	C1

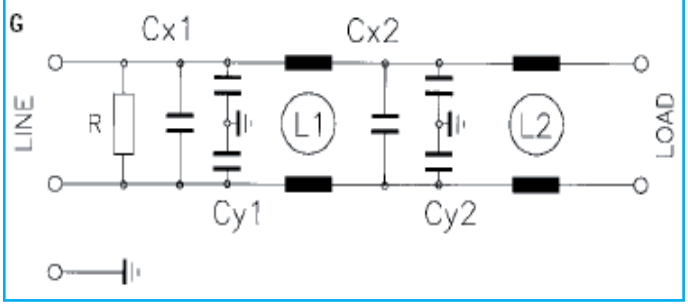
B = Faston 6.3x0.8mm
D = Flexible leads
I = Screw M4

▲ VDE 60939-2 only

* other variants on request

Circuit diagram

G



	FAS Code	I_R (A)	L_1 (mH)	L_2 (mH)	Cx_1 (µF)	Cy (pF)	I_L (mA)	R (MΩ)	Circ Diag	Case
	FASD-3220ZA	1	2x22	2x0.3	0.22	2x4700	2x0.43	1	H	B
	FASD-3220ZB	2.5	2x16	2x0.3	0.22	2x4700	2x0.43	1	H	C2
	FASD-3470ZA	6.5	2x4	2x0.05	0.47	2x22000	2x2	0.47	H	D
	FASD-3470ZB	10	2x4	2x0.05	0.47	2x22000	2x2	0.47	H	D
	FASD-3940ZA	4	2x8	2x0.05	0.94	2x22000	2x2	0.33	H	C2
▲	FASD-3940ZC	10	2x4	2x0.05	2x0.47	2x22000	2x2	0.33	H	D

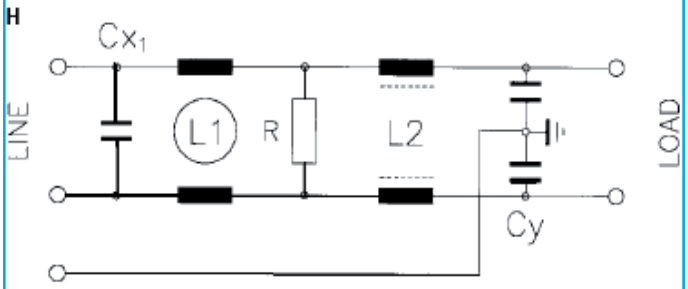
B = Faston 6.3x0.8mm
D = Flexible leads
I = Screw M4

▲ VDE 60939-2 only

* other variants on request

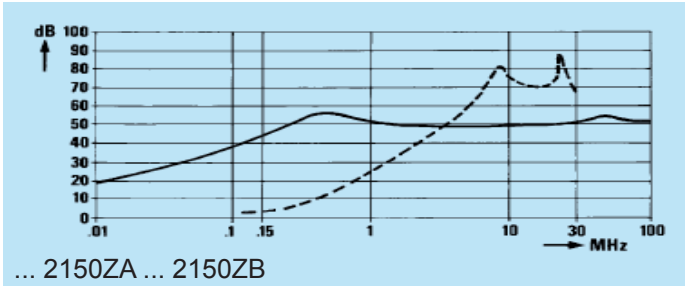
Circuit diagram

H

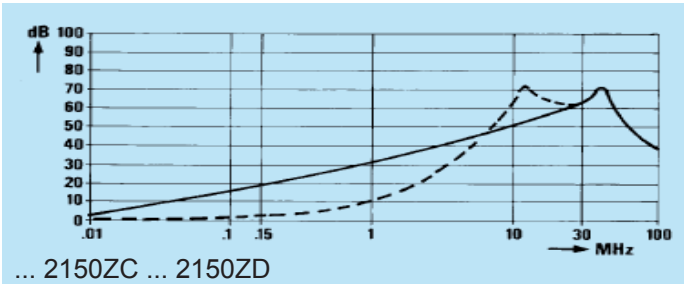


Insertion loss (typical): **Asymmetrical (line to ground)** **- - - Symmetrical (line to line)**

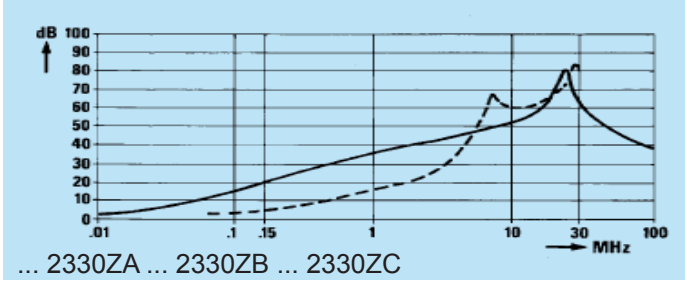
FAI



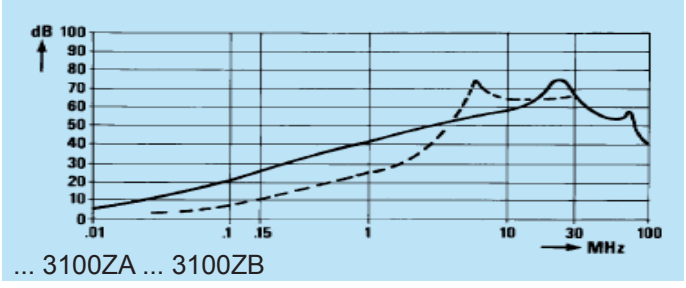
... 2150ZA ... 2150ZB



... 2150ZC ... 2150ZD



... 2330ZA ... 2330ZB ... 2330ZC



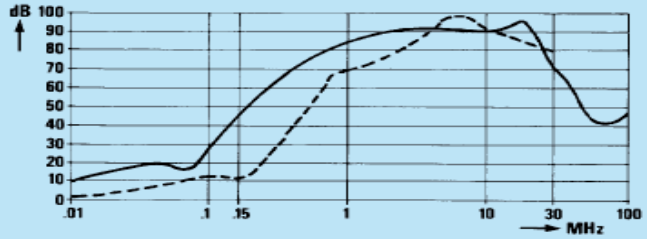
... 3100ZA ... 3100ZB

Approvals

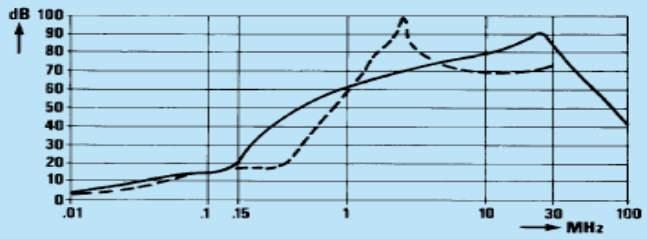
60939-2 | in progress | 1283 | 22.2 N°8

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

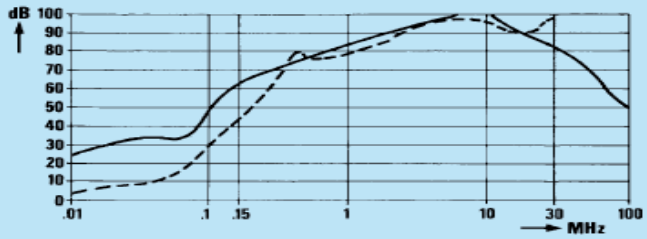
FAK



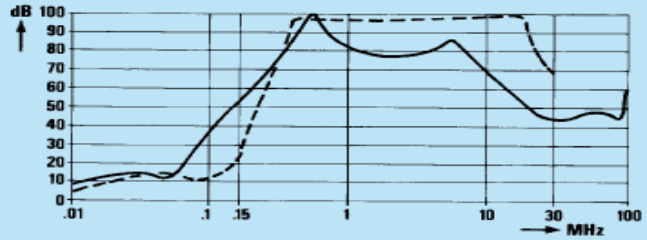
... 3300ZA ... 3300ZB



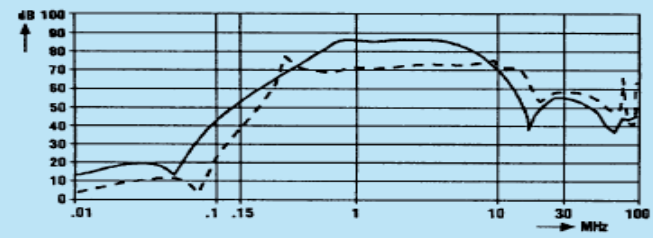
... 3300ZC ...3300ZD



... 3570ZA



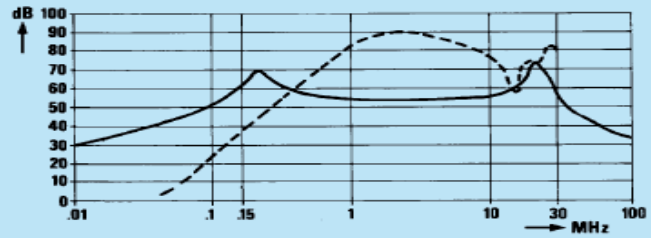
... 3810ZA



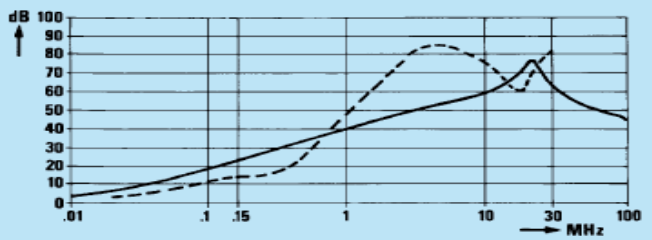
... 3940ZA

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

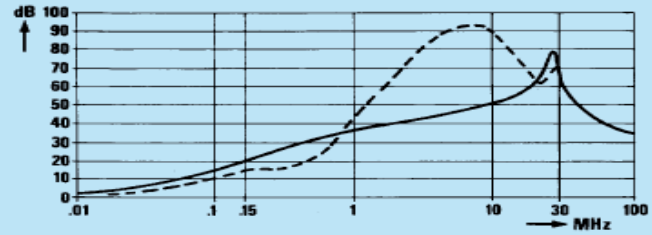
FAM



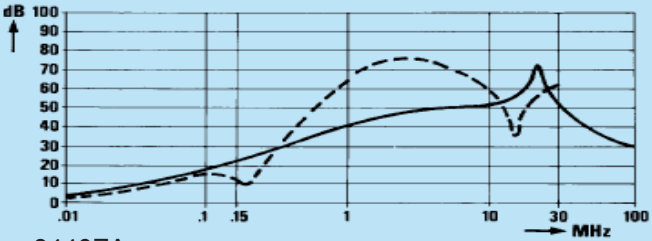
... 3200ZA



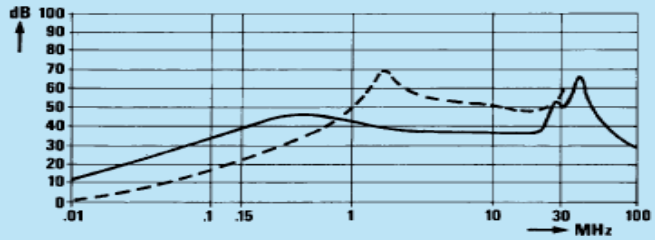
... 3200ZB



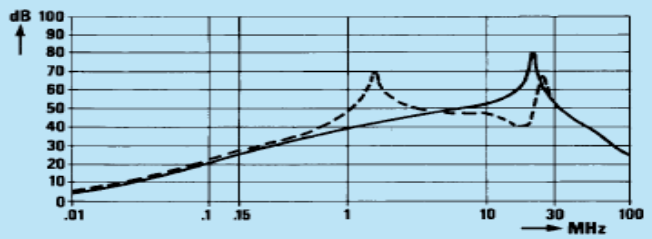
... 3200ZC ... 3200ZD ... 3200ZE



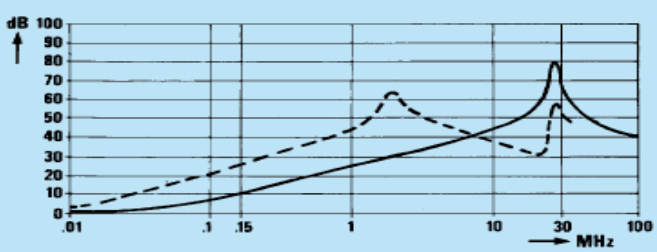
... 3440ZA



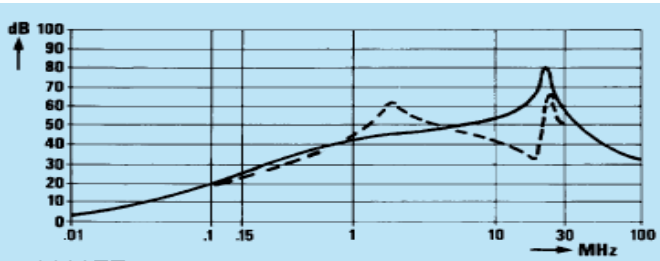
... 3470ZA



... 3600ZC



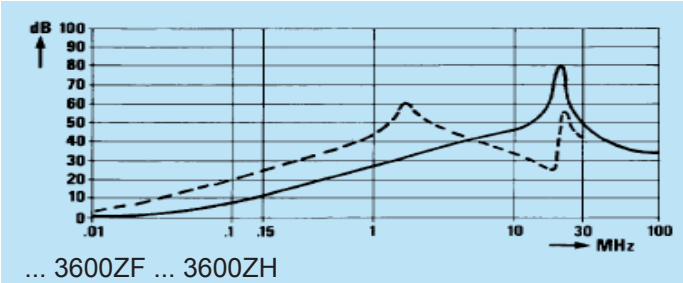
... 3600ZD



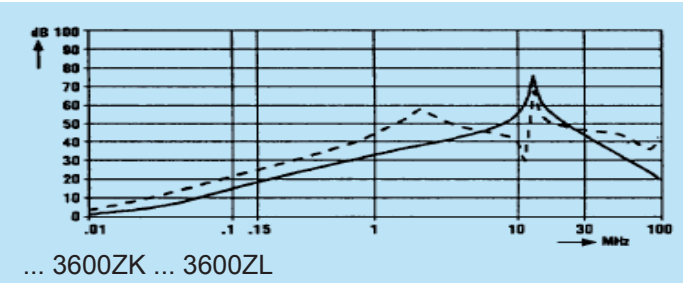
... 3600ZE

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

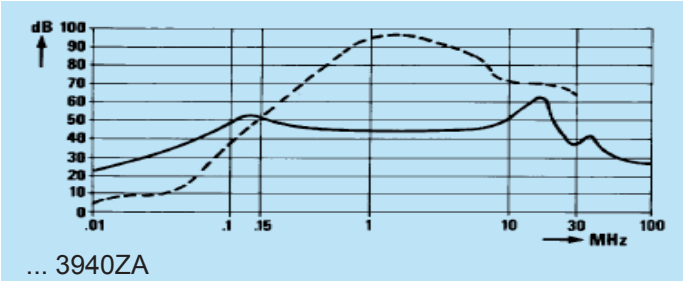
FAM



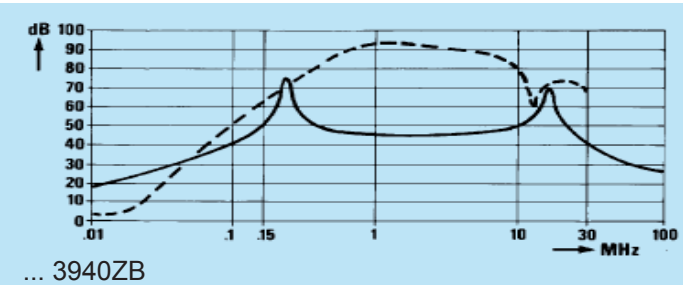
... 3600ZF ... 3600ZH



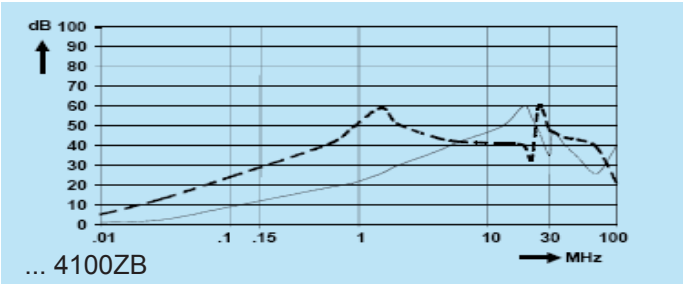
... 3600ZK ... 3600ZL



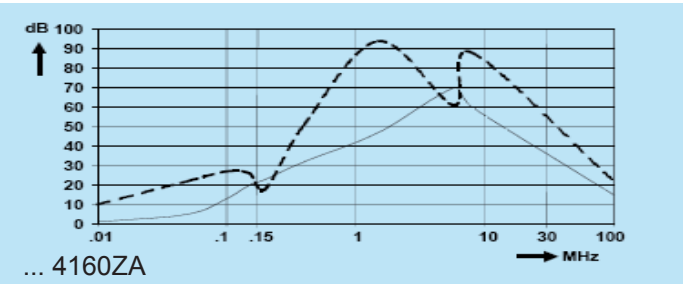
... 3940ZA



... 3940ZB



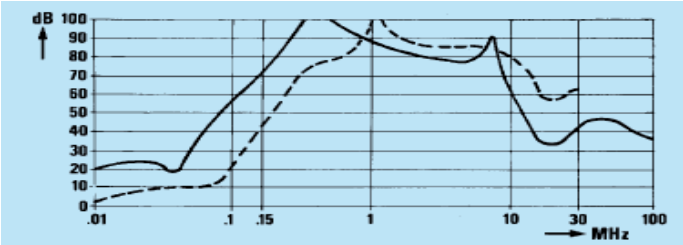
... 4100ZB



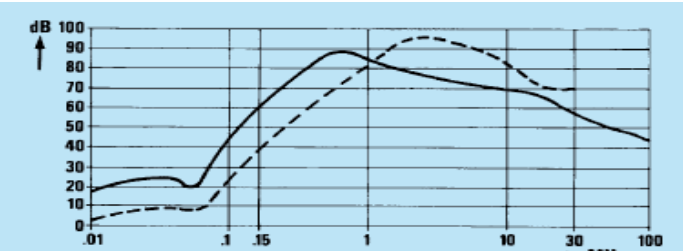
... 4160ZA

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

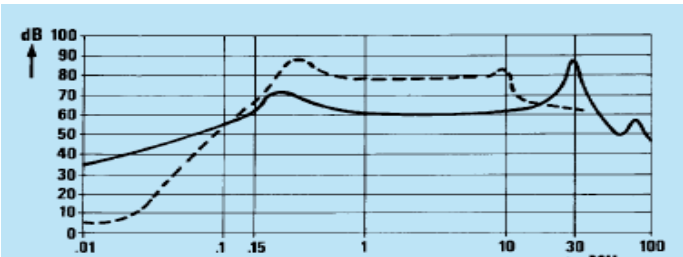
FAR



... 3620ZA ... 3620ZC

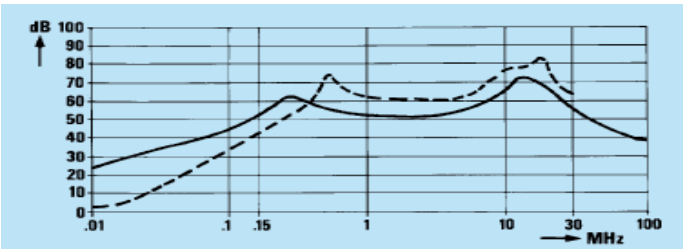


... 3620ZB ... 3620ZD

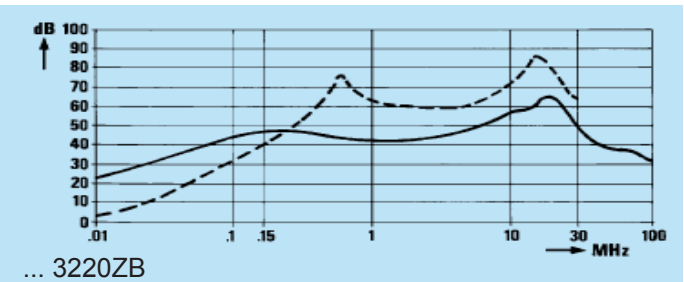


... 3940ZA

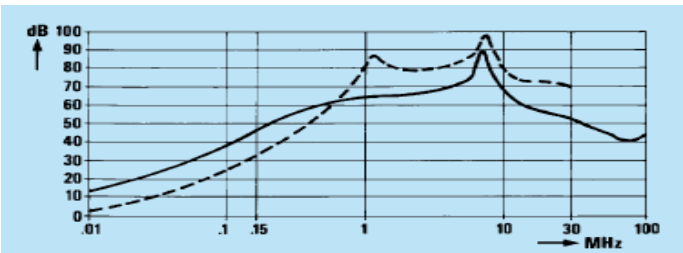
FAS



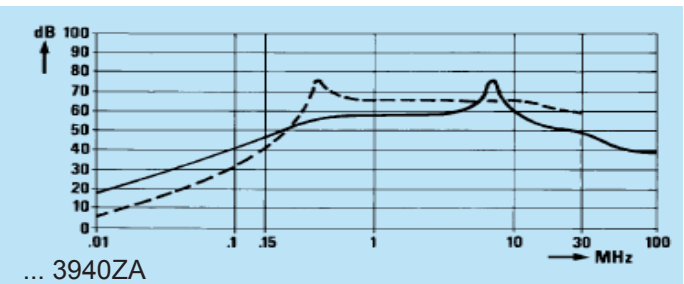
... 3220ZA



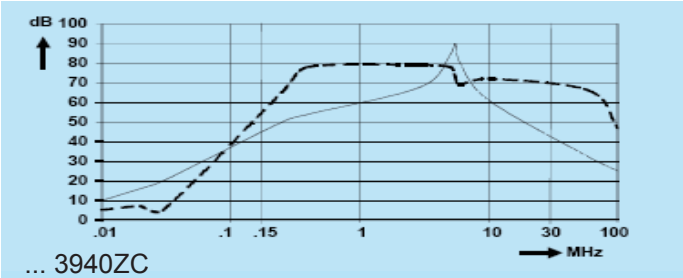
... 3220ZB



... 3470ZA ... 3470ZB



... 3940ZA



... 3940ZC