

tyco

Electronics

EJ Series

Enhanced Performance
Compact RFI Filter
IEC Connector Package



corcom

General Information / Allgemeine Informationen

- | | |
|---|---|
| ■ Next generation of power inlet filters | ■ <i>Neueste Generation von Netzeingangsfiltern</i> |
| ■ RoHS compliant | ■ <i>RoHS konform</i> |
| ■ Enhanced performance to meet the needs for more attenuation | ■ <i>Höhere Dämpfungseigenschaften durch verbesserte Bauteile</i> |
| ■ Extended metal flange around the socket for improved high frequency EMI shielding | ■ <i>Verbesserte HF-Schirmung durch Sockel mit erweitertem Metall Flansch</i> |
| ■ Snap in or flange mounted version for different applications | ■ <i>Snap In oder Schraubmontage je nach Anforderung</i> |
| ■ Compact dimensions | ■ <i>Kompakte Abmessungen</i> |
| ■ Easy-to-install design | ■ <i>Einfache Montage</i> |
| ■ Different terminal types (FASTON, PCB, wire) | ■ <i>Verschiedene Anschlussvarianten (Flachstecker; PCB; Kabel)</i> |
| ■ 20 A version for keeping up with the demand for higher current equipment | ■ <i>20 A Version für Geräte mit höherer Leistung</i> |
| ■ IEC 320/C14 inlet for 1-15 A versions | ■ <i>1-15 A Versionen mit IEC 320/C14 Stecker</i> |
| ■ IEC 320/C20 inlet for 20 A version | ■ <i>20 A Version mit IEC 320/C20 Stecker</i> |
| ■ Medical version (EJH) in compliance with UL/IEC leakage requirements for medical and dental equipment | ■ <i>Medizinische Ausführungen entsprechen den UL/IEC-Vorschriften bzgl. Ableitstrom für medizinische und zahnmedizinische Geräte</i> |



Configurations / Konfigurationen

EEJ:

flange mounted version;
mechanically equivalent
to the EEA/EEB series.

EJS:

snap-in mounted version;
mechanically equivalent to
the EAS/EBS series.

EJH:

flange mounted medical ver-
sion; mechanically equivalent
to the EAH/EBH series.

EEJ:

*Ausführung für Flanschmon-
tage; gleiche Abmessungen
wie EEA/EEB Serie.*

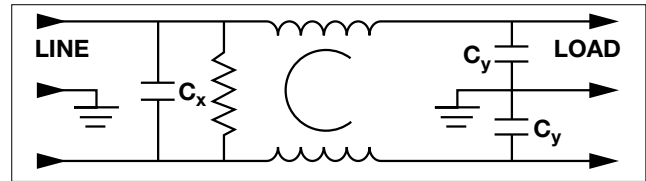
EJS:

*Ausführung für Snap-in Mon-
tage; gleiche Abmessungen
wie EAS/EBS Serie.*

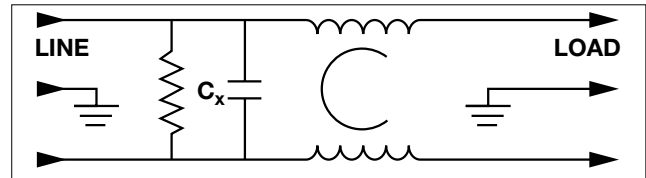
EJH:

*Medizinische Ausführung
für Flanschmontage; gleiche
Abmessungen wie EAH/EBH
Serie*

Electrical Schematic EEJ/EJS series



Electrical Schematic EJH series



Specifications / Elektrische Eigenschaften

Maximum leakage current, each line-to-ground

@ 120 VAC 60 Hz: 22 mA (EEJ/EJS); 2 μ A (EJH)

@ 250 VAC 50 Hz: 38 mA (EEJ/EJS); 5 μ A (EJH)

Hipot rating (one minute):

line-to-ground 1500 VDC

line-to-line 1450 VDC

Operating frequency: 50/60 Hz

Rated voltage (max): 250 VAC

Operating Ambient Temperature: -10°C to +40°C

Ordering Information / Bestellinformationen

EEJ/EJS series

20EEJ1

Terminal Type

- 1** – FASTON 6,3 mm
- 2** – FASTON 6,3 mm, angle 90°
- P** – PCB mount
- 8** – wire

Series

- EEJ – Extended performance
General purpose filter
- EJS – Extended performance
General purpose filter
SNAP IN version

Current Rating

(1, 3, 6, 15, 20 A)

EJH series

20EJH1

Terminal Type

- 1** – FASTON 6,3 mm
- 2** – FASTON 6,3 mm, angle 90°
- P** – PCB mount

Series

- EJH – Medical grade
Extended performance
General purpose filter

Current Rating

(1, 3, 6, 15, 20 A)

EEJ-series

Type	Order no.	Max. current UL/VDE	Inductance	Cx	Cy
1EEJ1	0-6609006-1	1 A/1 A	2 x 10,0 mH	0,1 µF	2 x 3,0 nF
1EEJ2	0-6609006-2	1 A/1 A	2 x 10,0 mH	0,1 µF	2 x 3,0 nF
1EEJP	0-6609006-3	1 A/1 A	2 x 10,0 mH	0,1 µF	2 x 3,0 nF
3EEJ1	0-6609006-5	3 A/3 A	2 x 1,5 mH	0,1 µF	2 x 3,0 nF
3EEJ2	0-6609006-6	3 A/3 A	2 x 1,5 mH	0,1 µF	2 x 3,0 nF
3EEJP	0-6609006-7	3 A/3 A	2 x 1,5 mH	0,1 µF	2 x 3,0 nF
6EEJ1	0-6609006-9	6 A/6 A	2 x 0,465 mH	0,1 µF	2 x 3,0 nF
6EEJ2	1-6609006-0	6 A/6 A	2 x 0,465 mH	0,1 µF	2 x 3,0 nF
6EEJP	1-6609006-1	6 A/6 A	2 x 0,465 mH	0,1 µF	2 x 3,0 nF

max. leakage current, each line-to-ground: 0,38 mA

EJS-series

Type	Order no.	Max. current UL/VDE	Inductance	Cx	Cy
1EJS1	0-6609006-4	1 A/ 1 A	2 x 10,0 mH	0,1 µF	2 x 3,0 nF
3EJS1	0-6609006-8	3 A/ 3 A	2 x 1,5 mH	0,1 µF	2 x 3,0 nF
6EJS1	1-6609006-2	6 A/ 6 A	2 x 0,465 mH	0,1 µF	2 x 3,0 nF
10EJS1	1-6609006-6	10 A/10 A	2 x 0,35 mH	0,1 µF	2 x 3,0 nF

max. leakage current, each line-to-ground: 0,38 mA

EJH-series

Type	Order no.	Max. current UL/VDE	Inductance	Cx	Cy
1EJH1	0-6609008-1	1 A/1 A	2 x 10,0 mH	0,1 µF	–
1EJH2	0-6609008-6	1 A/1 A	2 x 10,0 mH	0,1 µF	–
1EJHP	0-6609008-7	1 A/1 A	2 x 10,0 mH	0,1 µF	–
3EJH1	0-6609008-2	3 A/3 A	2 x 1,5 mH	0,1 µF	–
3EJH2	0-6609008-8	3 A/3 A	2 x 1,5 mH	0,1 µF	–
3EJHP	0-6609008-9	3 A/3 A	2 x 1,5 mH	0,1 µF	–
6EJH1	0-6609008-3	6 A/6 A	2 x 0,465 mH	0,1 µF	–
6EJH2	1-6609008-0	6 A/6 A	2 x 0,465 mH	0,1 µF	–
6EJHP	1-6609008-1	6 A/6 A	2 x 0,465 mH	0,1 µF	–

max. leakage current: 5 µA

Type	Order no.	Max. current UL/VDE	Inductance	Cx	Cy
10EEJ1	1-6609006-3	10 A/10 A	2 x 0,35 mH	0,1 µF	2 x 3,0 nF
10EEJ2	1-6609006-4	10 A/10 A	2 x 0,35 mH	0,1 µF	2 x 3,0 nF
10EEJP	1-6609006-5	10 A/10 A	2 x 0,35 mH	0,1 µF	2 x 3,0 nF
15EEJ1	1-6609006-7	15 A/10 A	2 x 0,086 mH	0,1 µF	2 x 3,0 nF
15EEJ2	1-6609006-9	15 A/10 A	2 x 0,086 mH	0,1 µF	2 x 3,0 nF
15EEJP	2-6609006-0	15 A/10 A	2 x 0,086 mH	0,1 µF	2 x 3,0 nF
20EEJ1	0-6609007-3	20 A/16 A	2 x 0,306 mH	0,1 µF	2 x 2,8 nF
20EEJ8	0-6609007-6	20 A/16 A	2 x 0,306 mH	0,1 µF	2 x 2,8 nF

Type	Order no.	Max. current UL/VDE	Inductance	Cx	Cy
15EJS1	1-6609006-8	15 A/10 A	2 x 0,086 mH	0,1 µF	2 x 3,0 nF
20EJS1	0-6609007-5	20 A/16 A	2 x 0,306 mH	0,1 µF	2 x 2,8 nF
20EJS8	0-6609007-7	20 A/16 A	2 x 0,306 mH	0,1 µF	2 x 2,8 nF

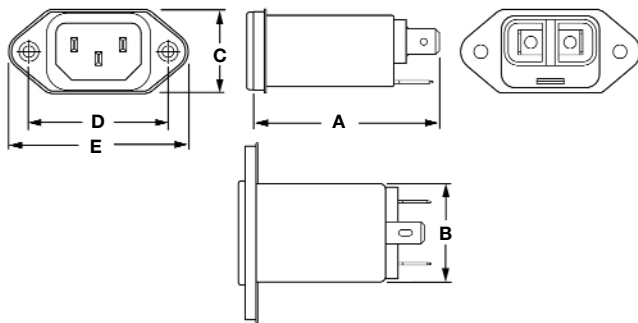
Type	Order no.	Max. current UL/VDE	Inductance	Cx	Cy
10EJH1	0-6609008-4	10 A/10 A	2 x 0,35 mH	0,1 µF	–
10EJH2	1-6609008-2	10 A/10 A	2 x 0,35 mH	0,1 µF	–
10EJHP	1-6609008-3	10 A/10 A	2 x 0,35 mH	0,1 µF	–
15EJH1	0-6609008-5	15 A/10 A	2 x 0,086 mH	0,1 µF	–
15EJH2	1-6609008-4	15 A/10 A	2 x 0,086 mH	0,1 µF	–
15EJHP	1-6609008-5	15 A/10 A	2 x 0,086 mH	0,1 µF	–
20EJH1	0-6609009-4	20 A/16 A	2 x 0,306 mH	0,1 µF	–
20EJH8	0-6609009-5	20 A/16 A	2 x 0,306 mH	0,1 µF	–

Additional terminal configurations for all series available upon request.

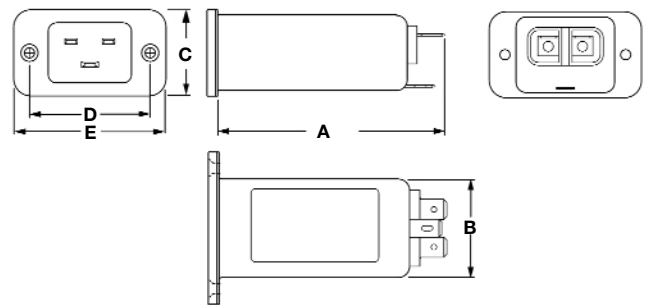
Weitere Anschlussoptionen auf Anfrage erhältlich.

Case Styles for EEJ/EJH-Series / Gehäuseformen EEJ/EJH Serie

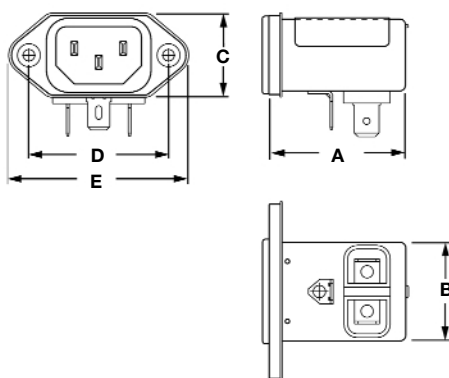
EEJ1/EJH1 (1 – 15 amp version)



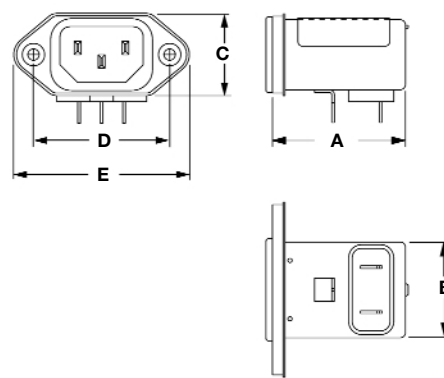
20EEJ1/EJH1



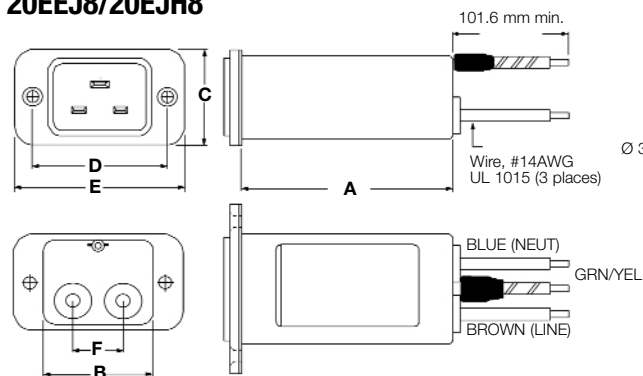
EEJ2/EJH2 (1 – 15 amp version)



EEJP/EJHP (1 – 15 amp version)



20EEJ8/20EJH8

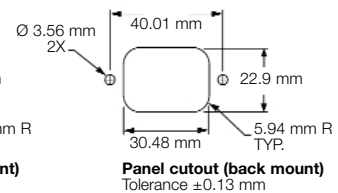
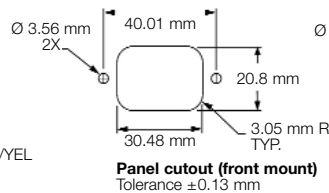


Recommended panel cutouts

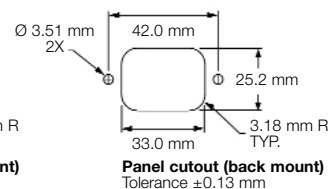
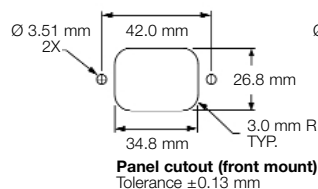
1 to 15 A EEJ/EJH – all terminal types

Panel thickness 0.78 mm – 1.19 mm

Front mount only applicable to type 1 terminals & wires



20EEJ/EJH



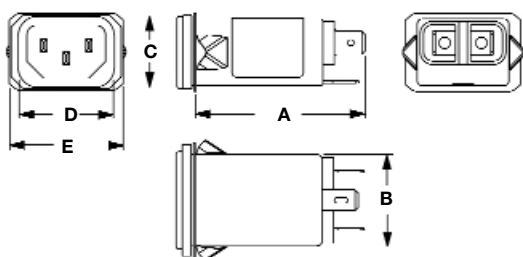
Case dimensions / Gehäuseabmessungen

All dimensions in mm

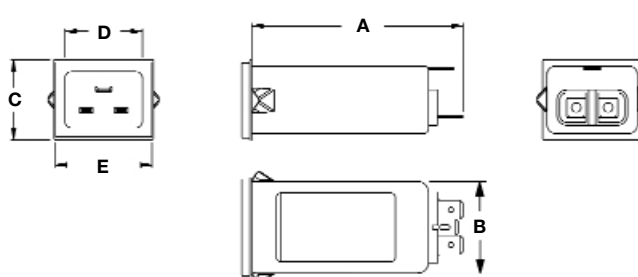
Part No.	A (max)	B (max)	C (max)	D +/- .38	E (max)	F (ref.)
1EEJ1; 3EEJ1; 6EEJ1; 10EEJ1; 15EEJ1 1EJH1; 3EJH1; 6EJH1; 10EJH1; 15EJH1	54.61	28.70	24.38	40.00	51.76	–
20EEJ1; 20EJH1	79.38	34.29	29.99	42.01	53.00	–
1EEJ2; 3EEJ2; 6EEJ2; 10EEJ2 1EJH2; 3EJH2; 6EJH2; 10EJH2	39.12	28.70	24.38	40.00	51.76	–
15EEJ2; 15EJH2	45.47	28.70	24.38	40.00	51.76	–
1EEJP; 3EEJP; 6EEJP; 10EEJP 1EJHP; 3EJHP; 6EJHP; 10EJHP	39.12	28.70	24.38	40.00	51.76	–
15EEJP; 15EJHP	45.47	28.70	24.38	40.00	51.76	–
20EEJ8; 20EJH8	67.31	34.29	29.99	42.01	53.00	15.75

Case Styles for EJS-Series / Gehäuseformen EJS Serie

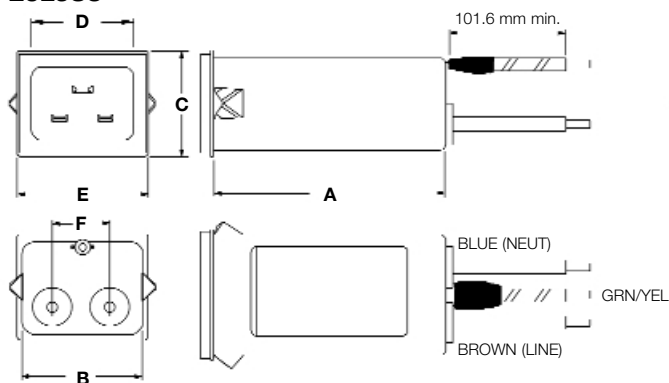
EJS (1 – 15 amp version)



20EJS1

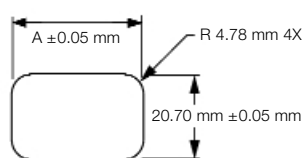


20EJS8



Recommended Panel Cutout

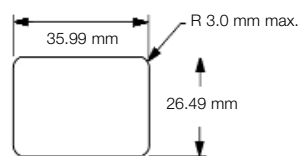
1 to 15 A – all terminal types



Panel cutout (front mount)

Panel thickness	A Dim. ±0.05 mm
0.79 – 1.32 mm	32.00 mm
1.17 – 1.73 mm	34.29 mm

20EJS



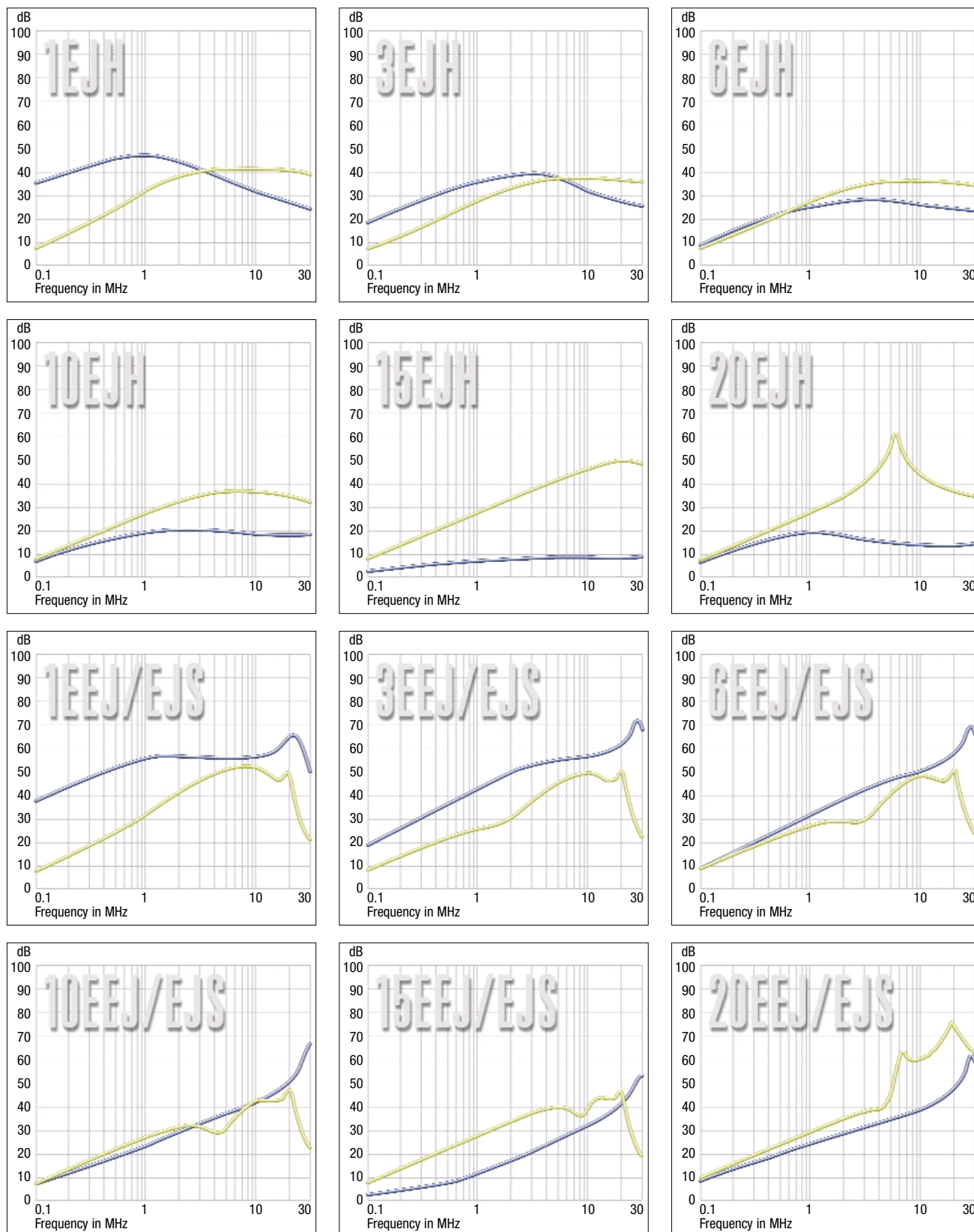
Panel cutout (front mount)
Tolerance ±0.13 mm

Case dimensions / Gehäuseabmessungen

All dimensions in mm

Part No.	A (max)	B (max)	C (max)	D +/- .38	E (max)	F (ref.)
1EJS1; 3EJS1; 6EJS1; 10EJS1; 15EJS1	55.88	27.94	24.38	30.10	34.21	–
20EJS1	79.38	34.29	29.99	36.07	37.08	–
20EJS8	66.80	34.29	29.97	36.07	37.08	15.84

Typ. Insertion Loss / Beispiel typischer Einfügungsdämpfung



— sym.
- - - asym.

Measuring method: closed 50 Ω system

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