

tyco

Electronics

EJ Series

Enhanced Performance
Compact RFI Filter
IEC Connector Package



corcom

General Information / Allgemeine Informationen

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



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 version; mechanically equivalent to the EAH/EBH series.

EEJ:

Ausführung für Flanschmontage; gleiche Abmessungen wie EEA/EEB Serie.

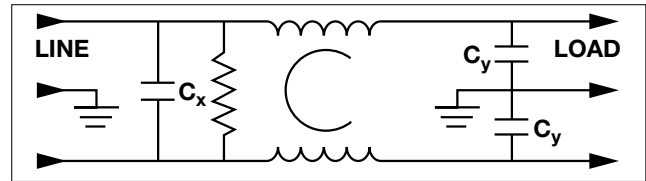
EJS:

Ausführung für Snap-in Montage; gleiche Abmessungen wie EAS/EBS Serie.

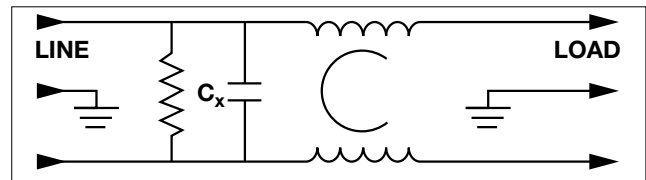
EJH:

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

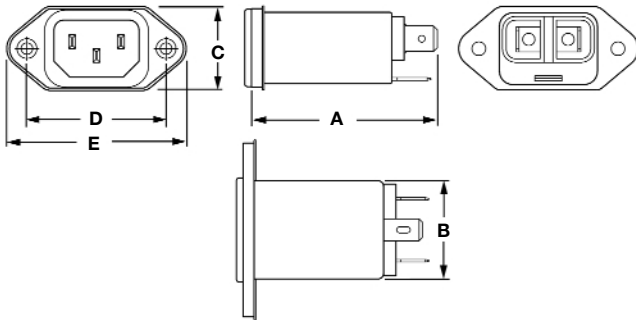
Type	Order no.	Max. current UL/VDE	Inductance	Cx	Cy
10EJH1	0-6609008-4	10 A/10 A	2 x 0,35 mH	0,1 µF	–
10EJH2	1-6609008-2	10 A/10 A	2 x 0,35 mH	0,1 µF	–
10EJHP	1-6609008-3	10 A/10 A	2 x 0,35 mH	0,1 µF	–
15EJH1	0-6609008-5	15 A/10 A	2 x 0,086 mH	0,1 µF	–
15EJH2	1-6609008-4	15 A/10 A	2 x 0,086 mH	0,1 µF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

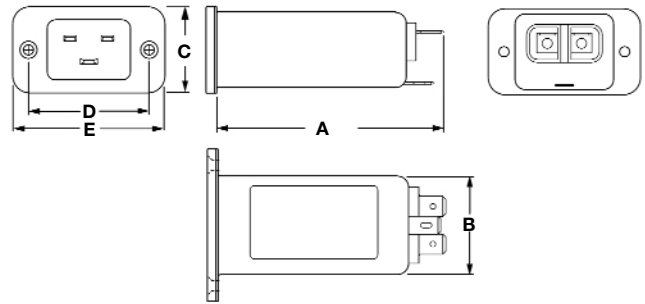
Weitere Anschlussoptionen auf Anfrage erhältlich.

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

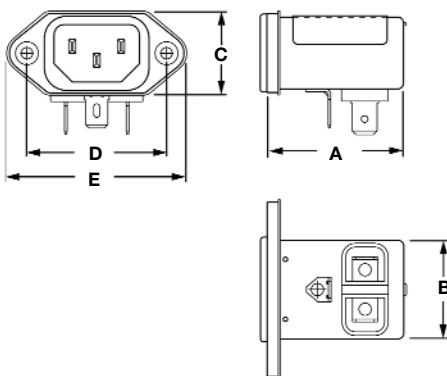
EEJ1/EJH1 (1 – 15 amp version)



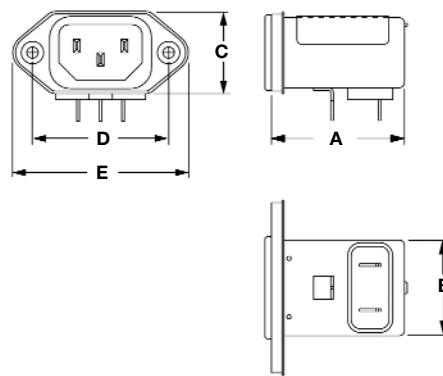
20EEJ1/EJH1



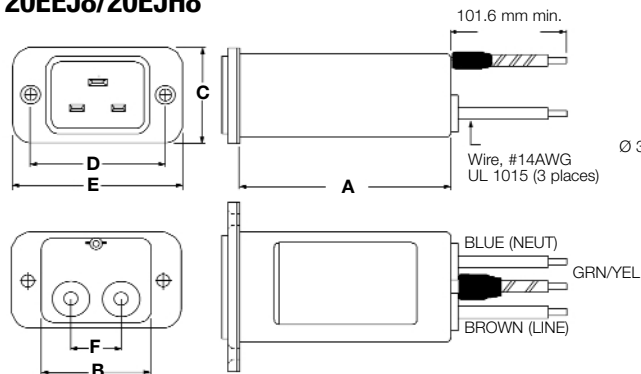
EEJ2/EJH2 (1 – 15 amp version)



EEJP/EJHP (1 – 15 amp version)



20EEJ8/20EJH8

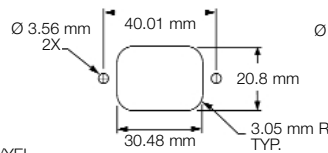


Recommended panel cutouts

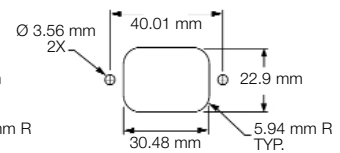
1 to 15 A EEJ/EJH – all terminal types

Panel thickness 0.78 mm – 1.19 mm

Front mount only applicable to type 1 terminals & wires

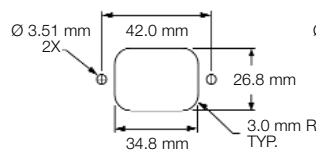


Panel cutout (front mount)
Tolerance ±0.13 mm

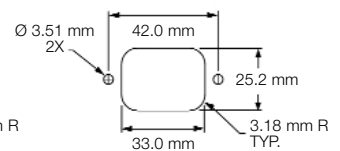


Panel cutout (back mount)
Tolerance ±0.13 mm

20EEJ/EJH



Panel cutout (front mount)
Tolerance ±0.13 mm



Panel cutout (back mount)
Tolerance ±0.13 mm

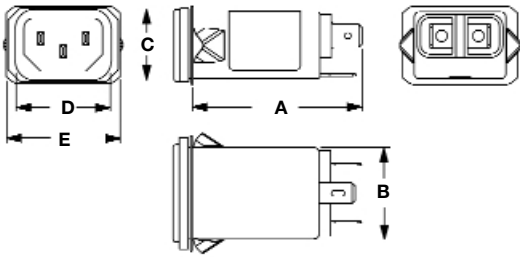
Case dimensions / Gehäuseabmessungen

All dimensions in mm

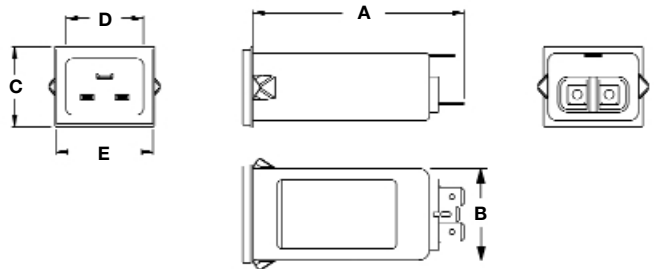
Part No.	A (max)	B (max)	C (max)	D +/- .38	E (max)	F (ref.)
1EEJ1; 3EEJ1; 6EEJ1; 10EEJ1; 15EEJ1 1EJH1; 3EJH1; 6EJH1; 10EJH1; 15EJH1	54.61	28.70	24.38	40.00	51.76	–
20EEJ1; 20EJH1	79.38	34.29	29.99	42.01	53.00	–
1EEJ2; 3EEJ2; 6EEJ2; 10EEJ2 1EJH2; 3EJH2; 6EJH2; 10EJH2	39.12	28.70	24.38	40.00	51.76	–
15EEJ2;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

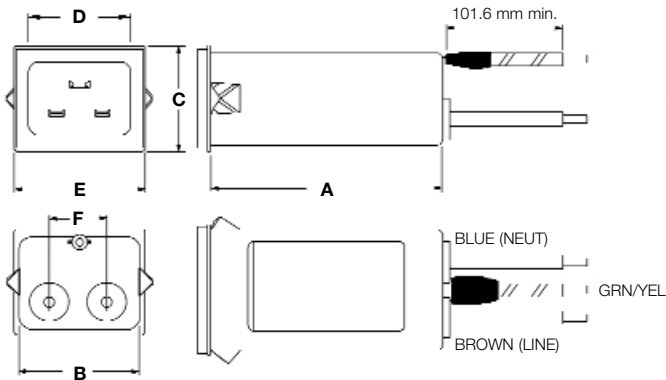
EJS (1 – 15 amp version)



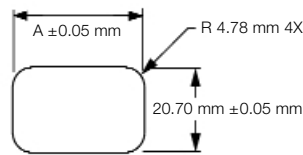
20EJS1



20EJS8



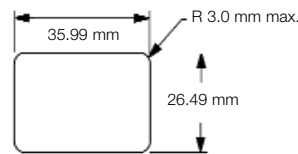
**Recommended Panel Cutout
1 to 15 A – all terminal types**



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

Panel cutout (front mount)

20EJS



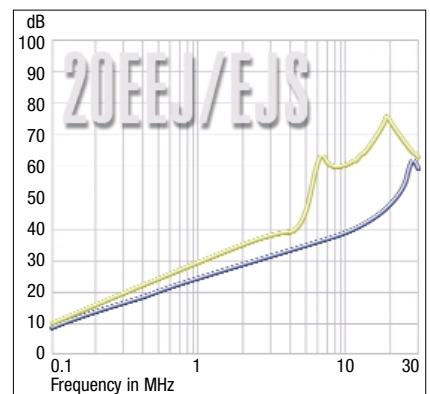
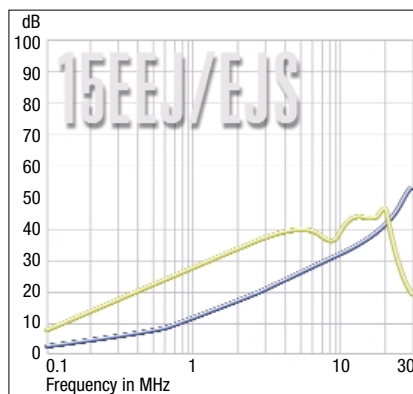
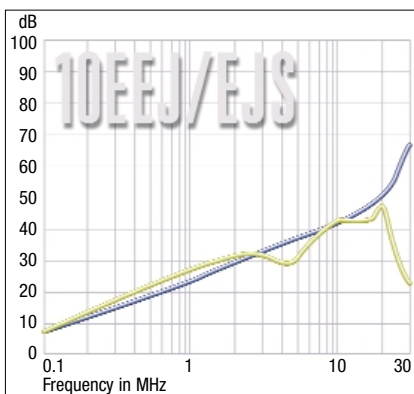
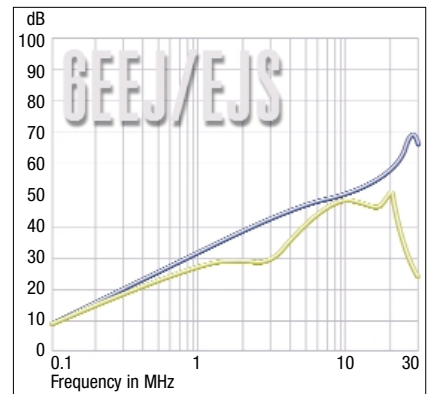
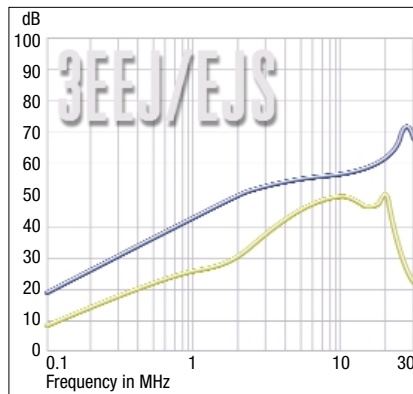
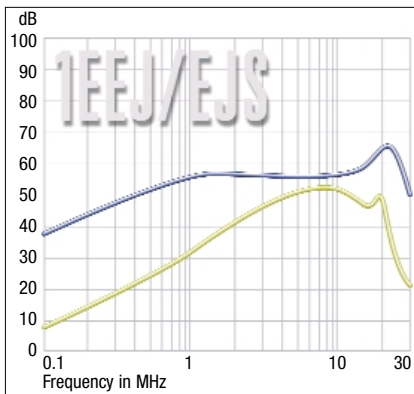
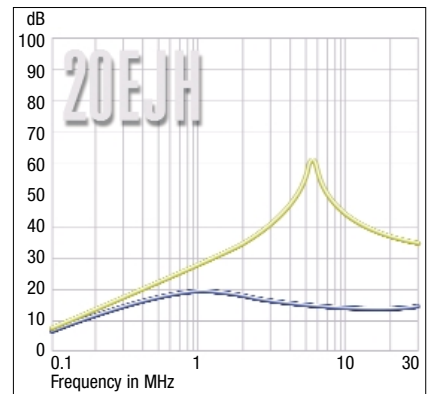
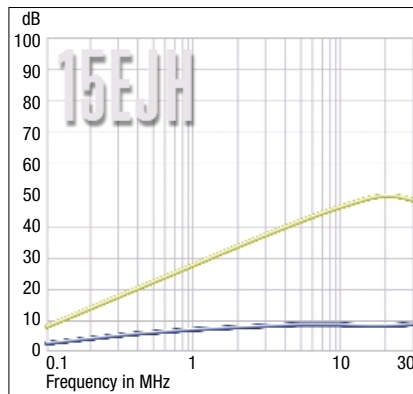
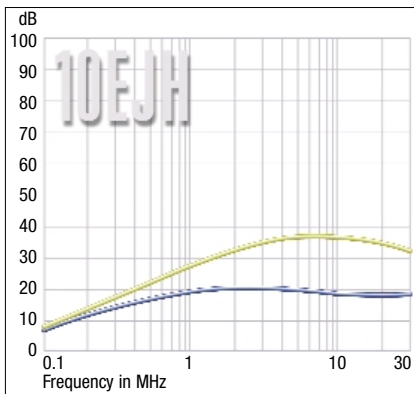
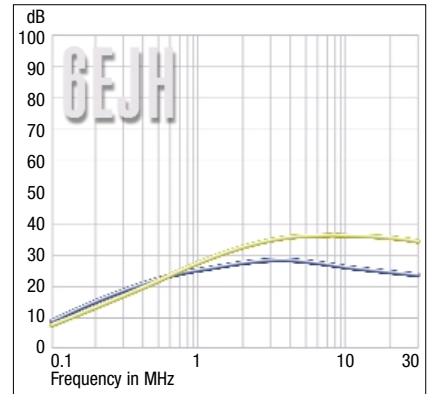
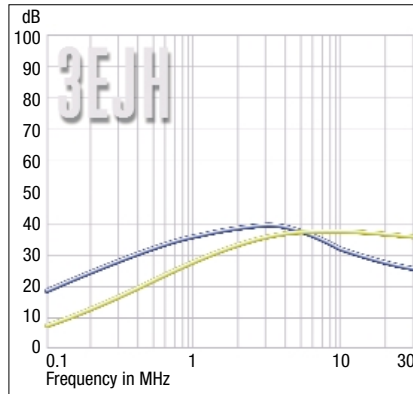
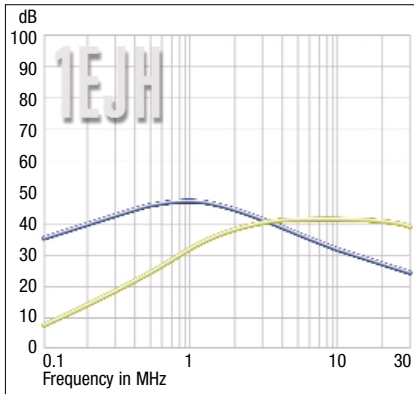
Panel cutout (front mount)
Tolerance ±0.13 mm

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

Austria – Vienna

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Phone: +43-1-905-60-1249
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Fax: +420-5-41-162-223

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Germany – Nieferrn

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Germany – Ottobrunn

Tyco Electronics Raychem GmbH
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Fax: +49-89-6096-345

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Stanmore Middlesex
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Fax: +44-208-954-6234

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+44-208-420-8343
Fax: +44-208-420-8081

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Fax: +30-210-9370-655

Hungary – Budapest

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Fax: +36-1-289-1010

Product Information Center:
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Fax: +36-1-289-1017

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Fax: +353-1-820-9790

Israel – Yokneam

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Fax: +972-4-959-0506

Italy – Collegno (Torino)

Phone: +39-011-4012-111
Fax: +39-011-4031116

Product Information Center:
Phone: +39-011-4012-360
Fax: +39-011-40287360

Lithuania – Vilnius

Phone: +370-5-2131-402
Fax: +370-5-2131-403

Netherlands – 's-Hertogenbosch

Phone: +31-73-6246-246
Fax: +31-73-6212-365

Product Information Center:
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Fax: +31-73-6246-998

Norway – Nesbru

Phone: +47-66-77-88-86
Fax: +47-66-77-88-55

Poland – Warsaw

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Fax: +48-22-4576-720

Product Information Center:
Phone: +48-22-4576-704
Fax: +48-22-4576-720

Romania – Bucharest

Phone: +40-21-311-3479 + 3596
Fax: +40-21-312-0574

Russia – Moscow

Phone: +7-095-926-55-06...09
Fax: +7-095-926-55-05

Russia – St. Petersburg

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Fax: +7-812-718-8193

Slovenia – Ljubljana

Phone: +386-1561-3270
Fax: +386-1561-3240

South Africa – Port Elizabeth

Phone: +2741-503-4500
Fax: +2741-581-0440

Spain – Barcelona

Phone: +34-93-291-0330
Fax: +34-93-201-7879

Sweden – Upplands Väsby

Phone: +46-8-50-72-50-00
Fax: +46-8-50-72-50-01

Switzerland – Steinach

Phone: +41-71-447-0447
Fax: +41-71-447-0444

Turkey – Istanbul

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+90-212-282-5130/5430
Fax: +90-212-281-8184

Ukraine – Kiev

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Fax: +380-44-206-2264