

tyco

Electronics

EJT Series

Compact RFI Filter
with IEC Connector
for Higher Frequency
Applications



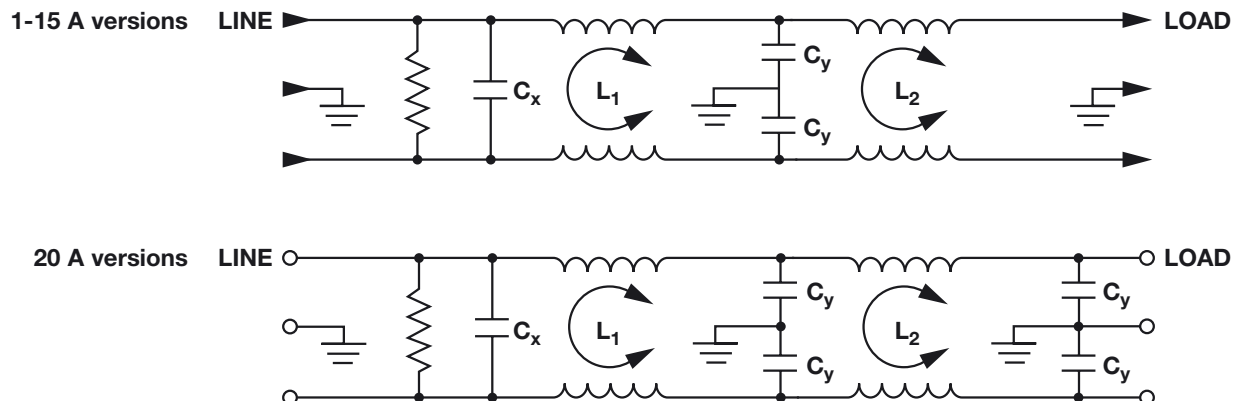
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General Information / Allgemeine Informationen

- | | |
|--|--|
| ■ New generation of power inlet filters | ■ <i>Neue Generation von Netzeingangsfiltern</i> |
| ■ Flange mounted with optional outputs of 1/4" terminals or wire leads | ■ <i>Für Schraubmontage, wahlweise mit 6,3 mm FASTON oder Kabelanschlüssen auf der Ausgangsseite</i> |
| ■ RoHS compliant | ■ <i>RoHS konform</i> |
| ■ Compact dimensions | ■ <i>Kompakte Abmessungen</i> |
| ■ Designed to attenuate noise up to 1 GHz | ■ <i>Geeignet zur Unterdrückung von Störungen bis zu 1 GHz</i> |
| ■ Designed to address the demand for more noise attenuation at higher frequencies e.g. computer systems, plasma TV | ■ <i>Speziell entwickelt zur Unterdrückung von Störungen im hohen Frequenzbereich z.B. für Computer-Systeme, Plasma-TV</i> |
| ■ IEC 320/C14 input connector for 1-15 A versions | ■ <i>IEC 320/C14 Stecker auf der Eingangsseite bei den 1-15 A Versionen</i> |
| ■ IEC 320/C20 input connector for 20 A versions | ■ <i>IEC 320/C20 Stecker auf der Eingangsseite bei den 20 A Versionen</i> |



Electrical Schematic / Elektrischer Schaltplan



Specifications / Elektrische Eigenschaften

Maximum leakage current, each line-to-ground

@ 120 VAC 60 Hz: 0,22 mA (1-15 A versions); 0,20 mA (20 A versions)
@ 250 VAC 50 Hz: 0,38 mA (1-15 A versions); 0,40 mA (20 A versions)

Hipot rating (one minute):

line-to-ground 2250 VDC (1-15 A versions); 1500 VAC (20 A versions)
line-to-line 1450 VDC (all versions)

Operating frequency: 50/60 Hz

Rated voltage (max): 250 VAC

Ordering Information / Bestellinformationen

15 EJT 1

Terminal Type

1 – Straight 1/4" quick connect
8 – Wire leads

Series

EJT – Extended performance for higher frequencies

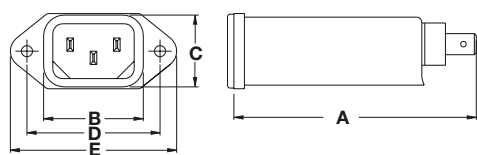
Current Rating

(1, 3, 6, 10, 15, 20 A)

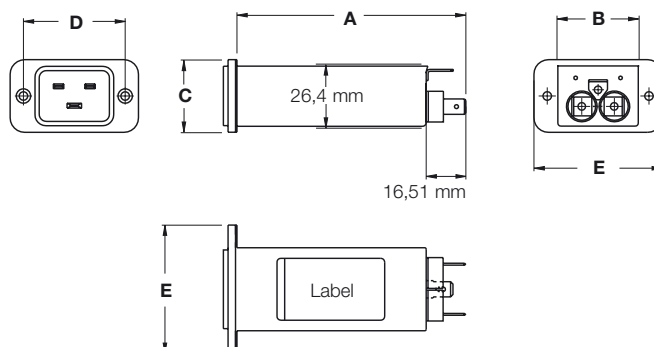
Type	Order no.	Max. Current UL / VDE	Inductance L ₁	Inductance L ₂	C _x	C _y
1EJT1	2-6609006-1	1 A / 1 A	2 x 3,720 mH	2 x 0,004 mH	0,1 µF	2 x (2,8 nF + 0,470 nF)
1EJT8	2-6609006-6	1 A / 1 A	2 x 3,720 mH	2 x 0,004 mH	0,1 µF	2 x (2,8 nF + 0,470 nF)
3EJT1	2-6609006-2	3 A / 3 A	2 x 1,990 mH	2 x 0,004 mH	0,1 µF	2 x (2,8 nF + 0,470 nF)
3EJT8	2-6609006-7	3 A / 3 A	2 x 1,990 mH	2 x 0,004 mH	0,1 µF	2 x (2,8 nF + 0,470 nF)
6EJT1	2-6609006-3	6 A / 6 A	2 x 0,930 mH	2 x 0,004 mH	0,1 µF	2 x (2,8 nF + 0,470 nF)
6EJT8	2-6609006-8	6 A / 6 A	2 x 0,930 mH	2 x 0,004 mH	0,1 µF	2 x (2,8 nF + 0,470 nF)
10EJT1	2-6609006-4	10 A / 10 A	2 x 0,360 mH	2 x 0,004 mH	0,1 µF	2 x (2,8 nF + 0,470 nF)
10EJT8	2-6609006-9	10 A / 10 A	2 x 0,360 mH	2 x 0,004 mH	0,1 µF	2 x (2,8 nF + 0,470 nF)
15EJT1	2-6609006-5	15 A / 10 A	2 x 0,198 mH	2 x 0,004 mH	0,1 µF	2 x (2,8 nF + 0,470 nF)
15EJT8	3-6609006-0	15 A / 10 A	2 x 0,198 mH	2 x 0,004 mH	0,1 µF	2 x (2,8 nF + 0,470 nF)
20EJT1	0-6609007-8	20 A / 16 A	2 x 0,087 mH	2 x 0,004 mH	0,1 µF	2 x (2,8 nF + 0,033 nF)
20EJT8	3-6609006-1	20 A / 16 A	2 x 0,087 mH	2 x 0,004 mH	0,1 µF	2 x (2,8 nF + 0,033 nF)

Case Styles / Gehäuseformen

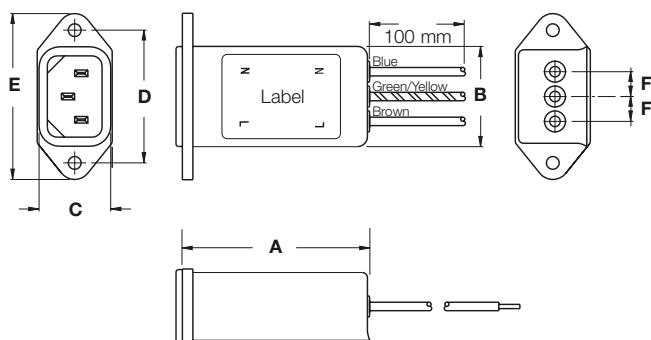
EJT1 (1-15 A versions)



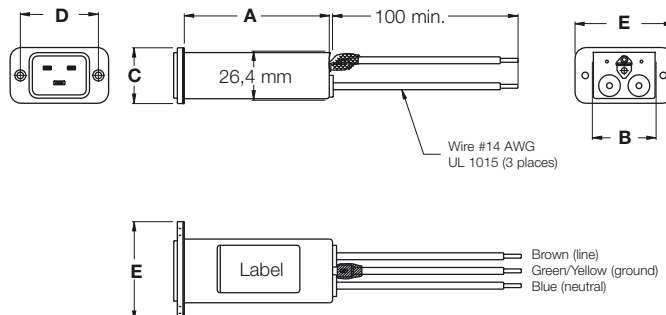
20 EJT1



EJT8 (1-15 A versions)

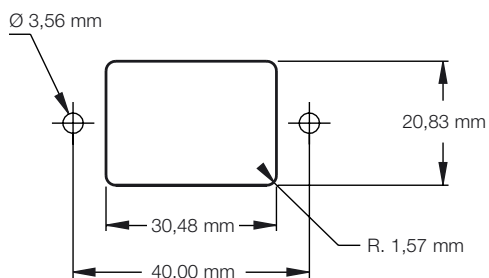


20 EJT8

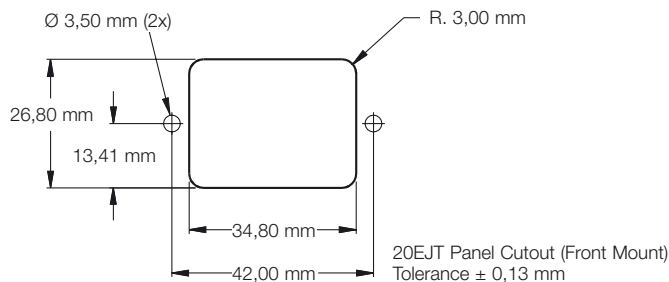


Recommended Panel Cutout / Gehäuseausschnitt

1-15 A version



20 A version

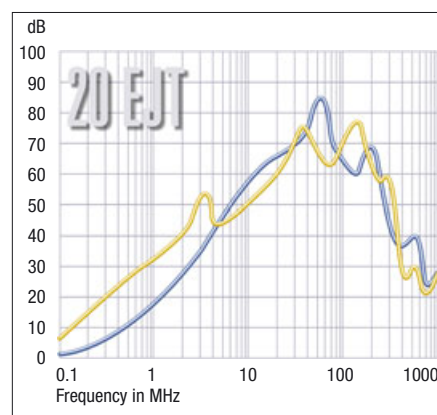
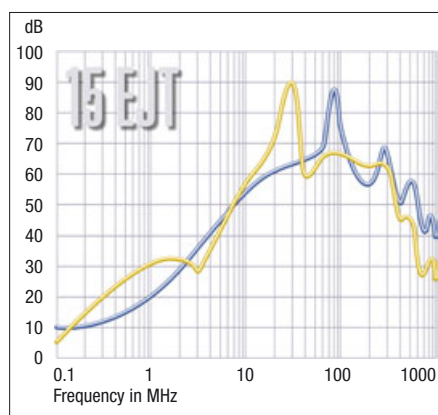
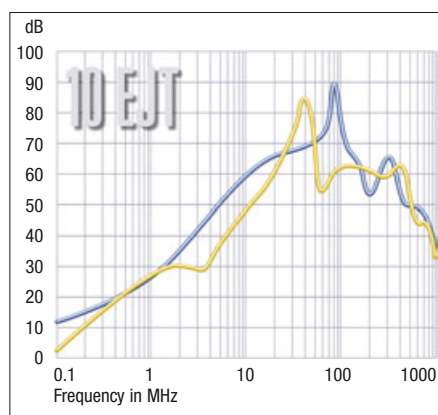
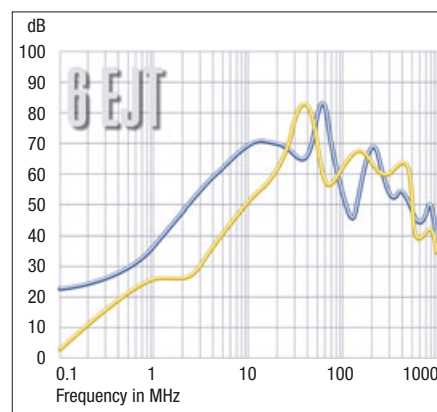
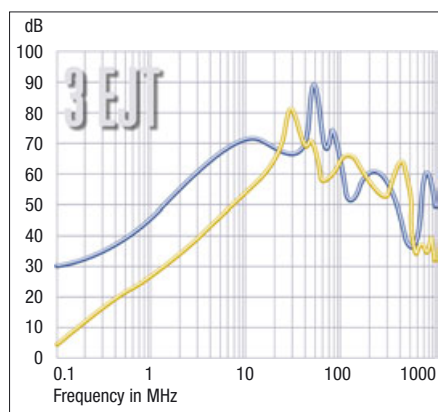
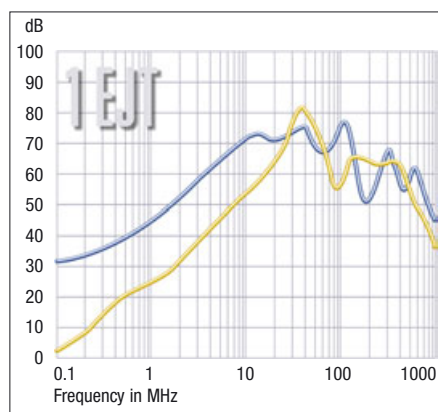


Dimensions and connections / Abmessungen und Anschlüsse

Type	A (max)	B (max)	C (max)	D (max)	E (max)	F (max)	connection
1EJT1, 3EJT1, 6EJT1, 10EJT1, 15EJT1	72,9	30,2	22,2	40,0	50,3	–	FASTON 6,3
20EJT1	96,5	34,3	30,0	42,0	53,0	–	FASTON 6,3
1EJT8, 3EJT8, 6EJT8, 10EJT8, 15EJT8	56,6	30,2	22,2	40,0	50,3	7,5	wire leads AWG 18; 100 mm
20EJT8	81,3	34,3	30,0	42,0	53,0	–	wire leads AWG 18; 100 mm

All dimensions in mm

Typ. Insertion Loss / Beispiel typischer Einfügungsdämpfung



— sym.
— asym.

Measuring method: closed 50 Ω system

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