

**Power line filters for single-phase systems**
**Rated voltage 250 V~, 50/60 Hz**
**Rated current 0,5 A to 6 A**

**Construction**

- Two-line filter
- Plastic case

**Features**

- High insertion loss
- For PCB mounting
- Cost-effective solution

**Applications**

- Medium-performance switch-mode power supplies
- Data systems, gambling machines, small-size equipment

**Terminals**

- Pins fitting standard PCB grid

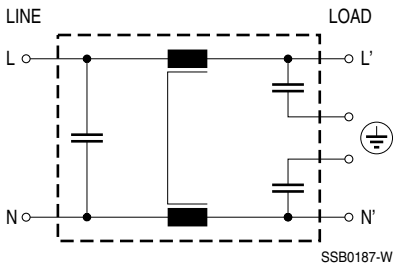
**Marking**

Marking on component:

 Manufacturer's logo, ordering code,  
 rated voltage, rated current,  
 date code

Minimum marking on packaging:




Manufacturer's logo, ordering code

**Circuit diagram**


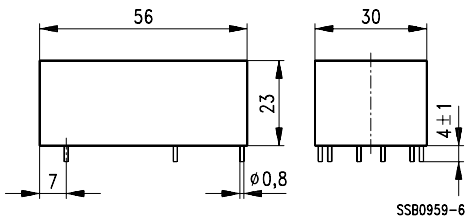
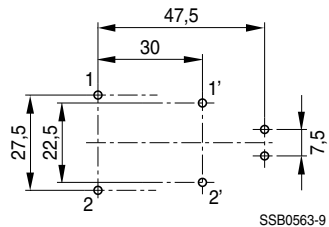
**Technical data**

Rated voltage $V_R$	250 V~, 50/60 Hz
Rated current $I_R$	Referred to 40 °C ambient temperature
Test voltage $V_P$	1414 V~, 2 s (line/line) 2700 V~, 2 s (lines/ground)
Leakage current $I_{leak}$	< 0,5 mA at 230 V~, 50 Hz
Climatic category	In accordance with EN 60068-1 25/085/21 (- 25 °C/+ 85 °C/21 days damp heat test)
Weight	approx. 53 g

**Characteristics and ordering codes**

$I_R$ A	$C_R$	$L_R$	Ordering code	Approvals		
						
0,5	0,25 µF (X2)	2 × 39 mH	B84110-A-A5	×	×	×
1	+	2 × 10 mH	B84110-A-A10	×	×	×
2	2 × 4700 pF (Y2)	2 × 5,6 mH	B84110-A-A20	×	×	×
4		2 × 2,7 mH	B84110-A-A40	×	×	×
6		2 × 1,9 mH	B84110-A-A60	—	—	—

× = approval granted

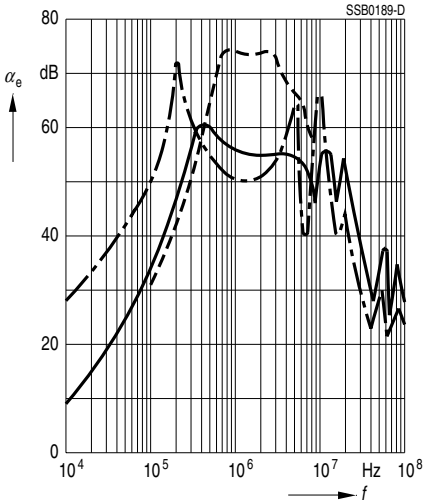
**Dimensional drawing**

**Mounting holes**


for General-Purpose Applications

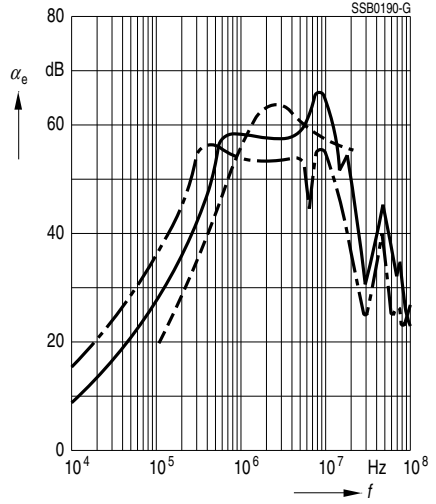
**Insertion loss** (typical values at  $Z = 50 \Omega$ )

- unsymmetrical, adjacent branches terminated
- - - - - common mode, all branches in parallel (asymmetrical)
- - - - - differential mode (symmetrical)

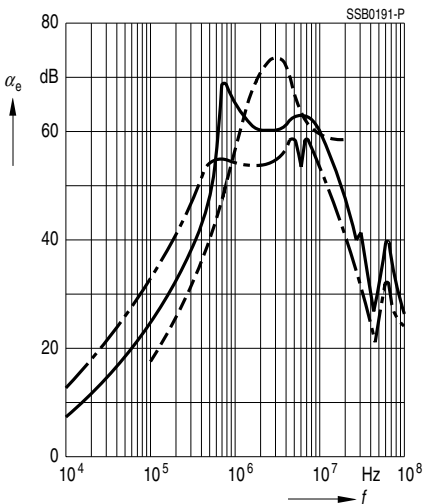
B84110-A-A5



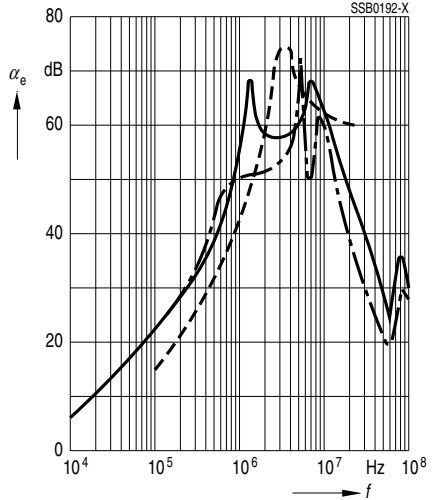
B84110-A-A10



B84110-A-A20



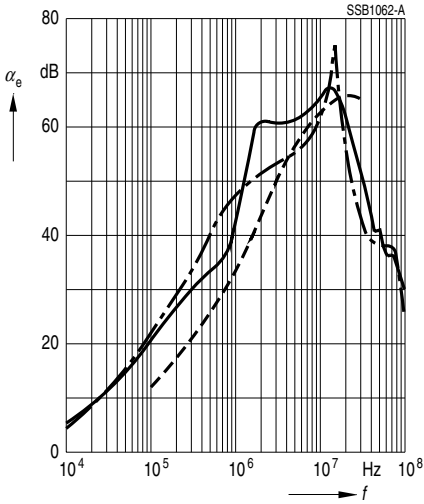
B84110-A-A40



**Insertion loss** (typical values at  $Z = 50 \Omega$ )

- unsymmetrical, adjacent branches terminated
- - - - - common mode, all branches in parallel (asymmetrical)
- - - - - differential mode (symmetrical)

B84110-A-A60



**Herausgegeben von EPCOS AG**

**Marketing Kommunikation, Postfach 80 17 09, 81617 München, DEUTSCHLAND**

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**Published by EPCOS AG**

**Marketing Communications, P.O. Box 80 17 09, 81617 Munich, GERMANY**

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