

**SIFI-G for enhanced insertion loss**  
**Rated voltage 250 VAC, 50/60 Hz**  
**Rated current 3 to 36 A**

### Construction

- 2-line filter
- Metal case
- Polyurethane potting (UL 94 V-0)

### Features

- Compact design
- Low leakage current
- Cost-optimized construction
- Approvals pending

### Applications

- Switch-mode power supplies in
  - industrial electronics
  - telecommunications
  - data systems
  - medical engineering

### Case and terminal styles

Case style B Tab connectors on face ends,  
 mounting tabs on face ends (3 to 16 A)

Case style G Screw terminals M5 (20 to 36 A)

### Marking

Marking on component:

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

Minimum marking on packaging:

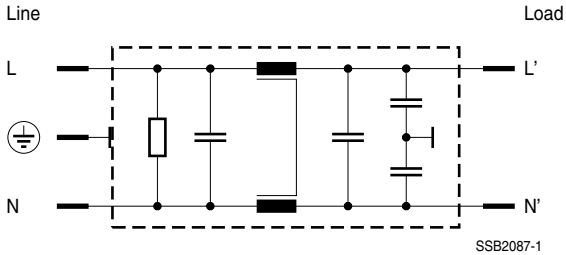
Manufacturer's logo, ordering code






Case style B



Case style G

**Circuit diagram**

**Technical data**

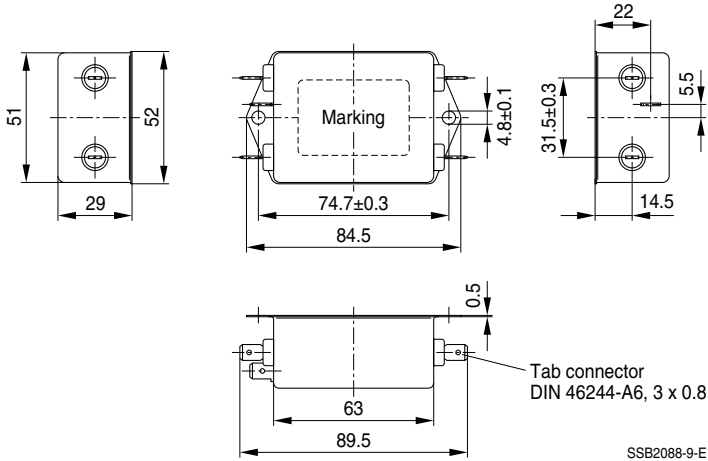
Rated voltage $V_R$	250 VAC, 50/60 Hz
Rated current $I_R$	Referred to 40 °C ambient temperature
Test voltage $V_{test}$	1414 VDC, 2 s (line/line) 2700 VDC, 2 s (lines/case)
Leakage current $I_{leak}$	< 0.5 mA at 230 VAC, 50 Hz
Climatic category (EN 60068-1)	25/100/21 (-25 °C/+100 °C/21 days damp heat test)
Approvals	Pending:   

**Characteristics and ordering codes**

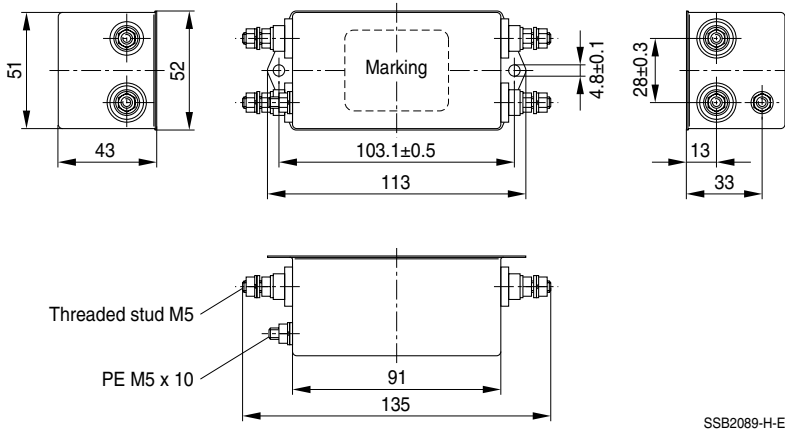
$I_R$	$C_R$	$L_R$	Case style	Approx. weight g	Ordering code
A					
3	2 × 0.22 μF (X2) + 2 × 4700 pF (Y2)	2 × 10 mH	B	200	B84112G0000B030
6	2 × 0.47 μF (X2) + 2 × 4700 pF (Y2)	2 × 3.3 mH	B	200	B84112G0000B060
10	2 × 0.68 μF (X2) + 2 × 4700 pF (Y2)	2 × 1.8 mH	B	200	B84112G0000B110
16	2 × 0.47 μF (X2) + 2 × 4700 pF (Y2)	2 × 1.8 mH	B	210	B84112G0000B116
20	2 × 1.0 μF (X2) + 2 × 4700 pF (Y2)	2 × 1.8 mH	G	440	B84112G0000G120
25	2 × 1.0 μF (X2) + 2 × 4700 pF (Y2)	2 × 1.6 mH	G	440	B84112G0000G125
36	2 × 1.5 μF (X2) + 2 × 4700 pF (Y2)	2 × 0.75 mH	G	470	B84112G0000G136

Dimensional drawings

Case style B



Case style G

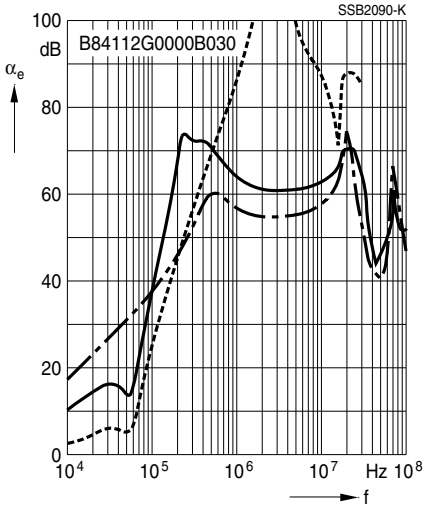


Tightening torque 2.6 ... 3.0 Nm

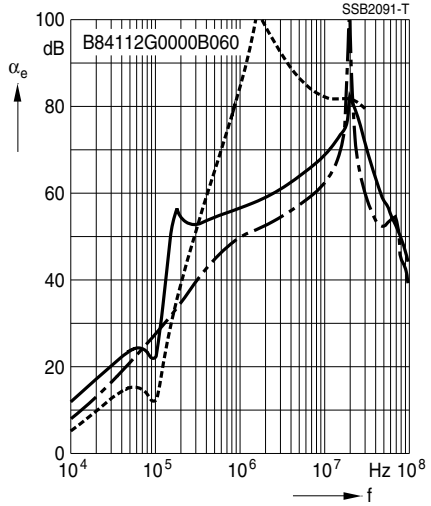
**Insertion loss** (typical values at  $Z = 50 \Omega$ )

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

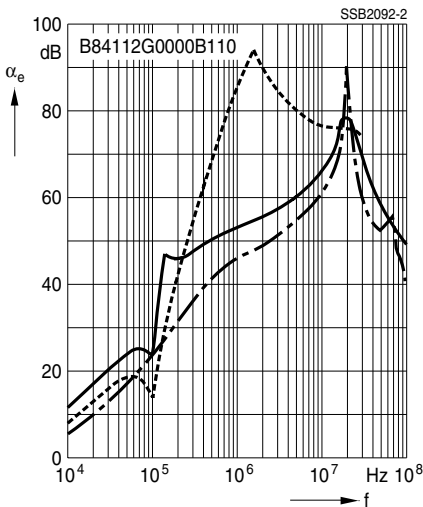
3 Ampere



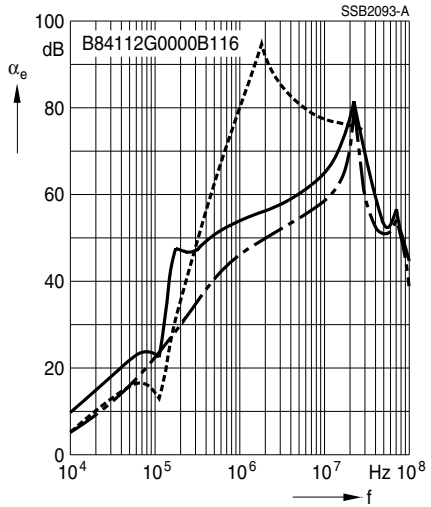
6 Ampere



10 Ampere



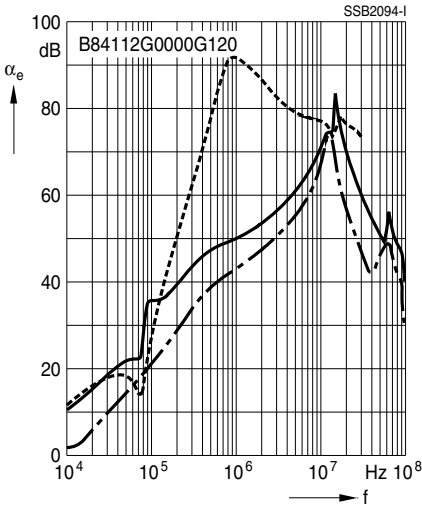
16 Ampere



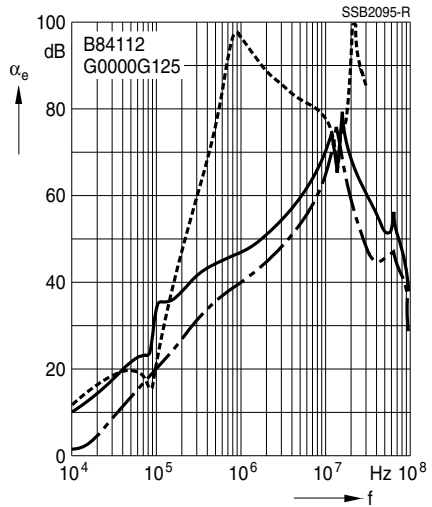
**Insertion loss** (typical values at  $Z = 50 \Omega$ )

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

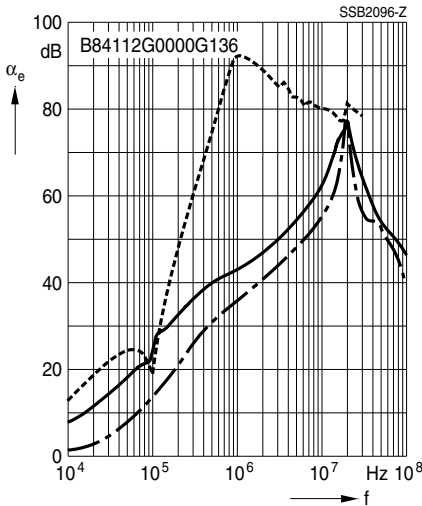
20 Ampere



25 Ampere



36 Ampere



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