

EMC Filters

2-Line Filters SIFI-F, SIFI-G, SIFI-H

The new 2-line EMC filters of the SIFI-F/-G/-H families come as a compact modular system with minimal dimensions for different insertion loss requirements and current ratings. The series range from SIFI-F offering very good insertion loss and the smallest dimensions through to SIFI-H for maximum insertion loss. All new SIFIs are available as a standard version or a medical version with negligible leakage current. The three series offer an extended range of rated current from 3 A to 36 A at 250 V DC/AC and a climatic category (IEC 60068-1) of 25/100/21. Special construction makes the new SIFIs smaller than comparable products for significantly less cost.

For product data sheets visit www.epcos.com/emc_filters.

Die neuen 2-Leiter-EMV-Filter der SIFI-Familien-F/-G/-H wurden entwickelt als ein kompaktes Modulsystem, das kleinste Abmessungen für die verschiedenen Dämpfungsanforderungen und Nennströme bietet. Die Serien beginnen mit SIFI-F, das neben sehr guten Dämpfungseigenschaften über die kleinsten Maße verfügt und reichen bis SIFI-H mit der höchsten Einfügungsdämpfung. Alle neuen SIFI-Serien sind als Standard- oder Medizinversion mit vernachlässigbar kleinem Ableitstrom lieferbar. Der Nennstrom reicht von 3 A bis 36 A bei 250 V DC/AC und einer Klimakategorie (IEC 60068-1) von 25/100/21. Aufgrund einer speziellen Konstruktion sind die neuen SIFIs kleiner als vergleichbare Produkte. Gleichzeitig werden die Kosten spürbar gesenkt.

Datenblätter finden Sie unter www.epcos.com/emc_filters.

SIFI Series F, G, H

Baureihe SIFI-F, -G, -H

Selector guide Auswahlhilfe

Insertion loss
Einfügungsdämpfung

normal enhanced very high

Series
Serie

SIFI-F

SIFI-G

SIFI-H

Leakage current (mA)
Ableitstrom (mA)

standard
0.369/0.785

medical
0

standard
0.369

medical
0



standard
0.369/1.73

medical
0

Rated current (A)
Bemessungsstrom (A)

3, 6, 10, 16, 20, 25, 36

Technical data Technische Daten

I _R A	C _R (Class) (Klasse)	L _R	I _{LK}	Case Gehäuse	Dimensions (mm) Maße (mm)		Ordering code Bestellnummer	Approvals Approbationen	
		mH	mA		l x b x h	l ₁			

SIFI-F: Standard for normal insertion loss SIFI-F: Standard für normale Dämpfung

3	2 x 0.1 µF (X2) + 2 x 4700 pF (Y2)	2 x 1.5	0.369	B	35 x 43.5 x 26	60.6	B84111F0000B030	x	x
6	2 x 0.1 µF (X2) + 2 x 4700 pF (Y2)	2 x 1.8	0.369	B	35 x 43.5 x 26	60.6	B84111F0000B060	x	x
10	2 x 0.1 µF (X2) + 2 x 4700 pF (Y2)	2 x 0.87	0.369	B	35 x 43.5 x 26	60.6	B84111F0000B110	x	x
16	2 x 0.1 µF (X2) + 2 x 4700 pF (Y2)	2 x 0.65	0.369	B	48 x 45.0 x 26	74.6	B84111F0000B116	x	x
20	2 x 0.1 µF (X2) + 2 x 4700 pF (Y2)	2 x 0.43	0.369	B	48 x 45.0 x 26	74.6	B84111F0000B120	x	x
25	2 x 0.1 µF (X2) + 2 x 4700 pF (Y2)	2 x 0.66	0.369	G	63 x 51.0 x 38	107	B84111F0000G125	x	x
36	2 x 0.47 µF (X2) + 2 x 10 nF (Y2)	2 x 0.40	0.785	G	63 x 51.0 x 38	107	B84111F0000G136	x	x



SIFI-F: Medical version for normal insertion loss SIFI-F: Medizinversion für normal Dämpfung

3	2 x 0.1 µF (X2)	2 x 1.5	0	B	35 x 43.5 x 26	60.6	B84111F0000M030	x	x
6	2 x 0.1 µF (X2)	2 x 1.8	0	B	35 x 43.5 x 26	60.6	B84111F0000M060	x	x
10	2 x 0.1 µF (X2)	2 x 0.87	0	B	35 x 43.5 x 26	60.6	B84111F0000M110	x	x
16	2 x 0.1 µF (X2)	2 x 0.65	0	B	48 x 45.0 x 26	74.6	B84111F0000M116	x	x
20	2 x 0.1 µF (X2)	2 x 0.43	0	B	48 x 45.0 x 26	74.6	B84111F0000M120	x	x
25	2 x 0.1 µF (X2)	2 x 0.66	0	G	63 x 51.0 x 38	107	B84111F0000M125	x	x
36	2 x 0.47 µF (X2)	2 x 0.40	0	G	63 x 51.0 x 38	107	B84111F0000M136	x	x

x = approval granted

SIFI Series F, G, H

Baureihe SIFI-F, -G, -H

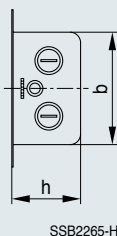
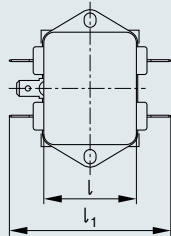
Technical data Technische Daten									
I _R A	C _R (Class) (Klasse)	L _R mH	I _{LK} mA	Case Gehäuse	Dimensions (mm) Maße (mm)		Ordering code Bestellnummer	Approvals Approbationen	
					l x b x h	l ₁			
SIFI-G: Standard for enhanced insertion loss SIFI-G: Standard für erhöhte Dämpfung									
3	2 x 0.22 µF (X2) + 2 x 4700 pF (Y2)	2 x 10	0.369	B	63 x 51 x 29	89.5	B84112G0000B030	x	x
6	2 x 0.47 µF (X2) + 2 x 4700 pF (Y2)	2 x 3.3	0.369	B	63 x 51 x 29	89.5	B84112G0000B060	x	x
10	2 x 0.68 µF (X2) + 2 x 4700 pF (Y2)	2 x 1.8	0.369	B	63 x 51 x 29	89.5	B84112G0000B110	x	x
16	2 x 0.47 µF (X2) + 2 x 4700 pF (Y2)	2 x 1.8	0.369	B	63 x 51 x 29	89.5	B84112G0000B116	x	x
20	2 x 1.0 µF (X2) + 2 x 4700 pF (Y2)	2 x 1.8	0.369	G	91 x 51 x 43	135	B84112G0000G120	x	x
25	2 x 1.0 µF (X2) + 2 x 4700 pF (Y2)	2 x 1.6	0.369	G	91 x 51 x 43	135	B84112G0000G125	x	x
36	2 x 1.5 µF (X2) + 2 x 4700 pF (Y2)	2 x 0.8	0.369	G	91 x 51 x 43	135	B84112G0000G136	x	x
SIFI-G: Medical version for enhanced insertion loss SIFI-G: Medizinversion für erhöhte Dämpfung									
3	2 x 0.22 µF (X2)	2 x 10	0	B	63 x 51 x 29	89.5	B84112G0000M030	x	x
6	2 x 0.47 µF (X2)	2 x 3.3	0	B	63 x 51 x 29	89.5	B84112G0000M060	x	x
10	2 x 0.68 µF (X2)	2 x 1.8	0	B	63 x 51 x 29	89.5	B84112G0000M110	x	x
16	2 x 0.47 µF (X2)	2 x 1.8	0	B	63 x 51 x 29	89.5	B84112G0000M116	x	x
20	2 x 1.0 µF (X2)	2 x 1.8	0	G	91 x 51 x 43	135	B84112G0000M120	x	x
25	2 x 1.0 µF (X2)	2 x 1.6	0	G	91 x 51 x 43	135	B84112G0000M125	x	x
36	2 x 1.5 µF (X2)	2 x 0.8	0	G	91 x 51 x 43	135	B84112G0000M136	x	x
SIFI-H: Standard for very high insertion loss SIFI-H: Standard für sehr hohe Dämpfung									
3	2 x 1.0 µF (X2) + 2 x 4700 pF (Y2)	4 x 5.9	0.369	B	63 x 51 x 38	89.5	B84113H0000B030	x	x
6	2 x 1.0 µF (X2) + 2 x 4700 pF (Y2)	4 x 3.6	0.369	B	63 x 51 x 38	89.5	B84113H0000B060	x	x
10	2 x 1.5 µF (X2) + 2 x 4700 pF (Y2)	4 x 3.9	0.369	B	91 x 51 x 43	117.5	B84113H0000B110	x	x
16	2 x 1.5 µF (X2) + 2 x 4700 pF (Y2)	4 x 1.3	0.369	B	91 x 51 x 43	117.5	B84113H0000B116	x	x
20	2 x 2.2 µF (X2) + 2 x 22 nF (Y2)	4 x 1.2	1.73	G	133 x 58 x 53	177	B84113H0000G120	x	x
25	2 x 2.2 µF (X2) + 2 x 22 nF (Y2)	4 x 0.8	1.73	G	133 x 58 x 53	177	B84113H0000G125	x	x
36	2 x 3.3 µF (X2) + 2 x 22 nF (Y2)	4 x 0.5	1.73	G	133 x 58 x 53	177	B84113H0000G136	x	x
SIFI-H: Medical version for very high insertion loss SIFI-H: Medizinversion für sehr hohe Dämpfung									
3	2 x 1.0 µF (X2)	4 x 5.9	0	B	63 x 51 x 38	89.5	B84113H0000M030	x	x
6	2 x 1.0 µF (X2)	4 x 3.6	0	B	63 x 51 x 38	89.5	B84113H0000M060	x	x
10	2 x 1.5 µF (X2)	4 x 3.9	0	B	91 x 51 x 43	117.5	B84113H0000M110	x	x
16	2 x 1.5 µF (X2)	4 x 1.3	0	B	91 x 51 x 43	117.5	B84113H0000M116	x	x
20	2 x 2.2 µF (X2)	4 x 1.2	0	G	133 x 58 x 53	177	B84113H0000M120	x	x
25	2 x 2.2 µF (X2)	4 x 0.8	0	G	133 x 58 x 53	177	B84113H0000M125	x	x
36	2 x 3.3 µF (X2)	4 x 0.5	0	G	133 x 58 x 53	177	B84113H0000M136	x	x

SIFI Series F, G, H Baureihe SIFI-F, -G, -H

General Allgemeines



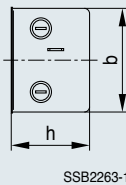
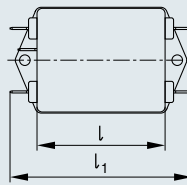
Case style B
(SIFI-F, ≤ 10 A)
Gehäuseform B
(SIFI-F, ≤ 10 A)



SSB2265-H



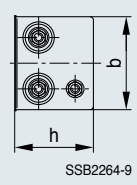
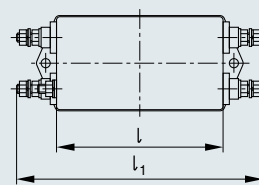
Case style B
Gehäuseform B



SSB2263-1



Case style G
Gehäuseform G



SSB2264-9

- For 1-phase systems
- Metal case
- Potted (UL 94 V-0)
- For switch-mode power supplies and DC applications

Terminal styles (case styles):

- B: Tab connectors on face ends, lateral fixing lugs or fixing lugs on face ends
- G: Screw terminals M5

Rated voltage: 250 V AC, 50/60 Hz
250 V DC

Climatic category: 25/100/21

Rated temperature: 40 °C

- Für 1-Phasen-Systeme
- Metallgehäuse
- Vergossen (UL 94 V-0)
- Für Schaltnetzteile und DC-Anwendungen

Anschluss-Varianten (Gehäuse):

- B: Beidseitig Flachstecker, Befestigungslaschen längs- bzw. stirnseitig
- G: Schraubanschlüsse M5

Bemessungsspannung: 250 V AC, 50/60 Hz
250 V DC

Klimakategorie: 25/100/21

Bemessungstemperatur: 40 °C

Important information: Some parts of this publication contain statements about the suitability of our products for certain areas of application. These statements are based on our knowledge of typical requirements that are often placed on our products. We expressly point out that these statements cannot be regarded as binding statements about the suitability of our products for a particular customer application. It is incumbent on the customer to check and decide whether a product is suitable for use in a particular application. This publication is only a brief product survey which may be changed from time to time. Our products are described in detail in our data sheets. The Important Notes (www.epcos.com/ImportantNotes) and the product-specific warnings and cautions must be observed. All relevant information is available through our sales offices.