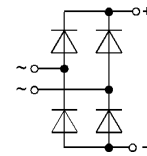
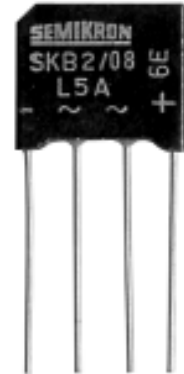


## Miniature Bridge Rectifiers

### SKB 2



#### Features

- Compact plastic package with in-line terminals
- High blocking voltage

#### Typical Applications

- Internal power supplies for electronic equipment
- DC power supplies
- Control equipment
- TV sets

V <sub>RSM</sub> V <sub>RSM</sub>	V <sub>VRMS</sub>	I <sub>D</sub> (T <sub>amb</sub> = 45 °C) 2,5 A		
		Types	C <sub>max</sub> μF	R <sub>min</sub> Ω
200	60	<b>SKB 2/02 L5A</b>	3 000	1
400	125	<b>SKB 2/04 L5A</b>	2 200	1,5
800	250	<b>SKB 2/08 L5A</b>	1 000	3
1200	500	<b>SKB 2/12 L5A</b>	500	6

Symbol	Conditions	SKB 2
I <sub>D</sub>	T <sub>amb</sub> = 45 °C; isolated <sup>1)</sup> chassis <sup>2)</sup>	1,7 A 2,5 A
I <sub>DCL</sub>	T <sub>amb</sub> = 45 °C; isolated <sup>1)</sup> chassis <sup>2)</sup>	1,4 A 2 A
I <sub>FSM</sub>	T <sub>vj</sub> = 25 °C, 10 ms T <sub>vj</sub> = 150 °C, 10 ms	58 A 50 A
i <sup>2</sup> t	T <sub>vj</sub> = 25 °C, 8,3...10 ms T <sub>vj</sub> = 150 °C, 8,3...10 ms	17 A <sup>2</sup> s 12,5 A <sup>2</sup> s
V <sub>F</sub>	T <sub>vj</sub> = 25 °C; I <sub>F</sub> = 10 A	1,65 V
V <sub>(TO)</sub>	T <sub>vj</sub> = 150 °C	0,85 A
r <sub>T</sub>	T <sub>vj</sub> = 150 °C	100 mΩ
I <sub>RD</sub>	T <sub>vj</sub> = 25 °C; V <sub>RD</sub> = V <sub>RSM</sub> ≤ 200 V ≥ 400 V	20 μA 5 μA
	T <sub>vj</sub> = 150 °C; V <sub>RD</sub> = V <sub>RSM</sub> ≤ 200 V ≥ 400 V	1 mA 0,6 mA
t <sub>rr</sub>	T <sub>vj</sub> = 25 °C	typ. 10 μs
f <sub>G</sub>		2000 Hz
R <sub>thja</sub>	isolated <sup>1)</sup> chassis <sup>2)</sup>	30 °C/W 17,5 °C/W
T <sub>vj</sub>		- 40...+ 150 °C
T <sub>stg</sub>		- 55...+ 150 °C
RC	P <sub>R</sub> = 1 W	10 nF+20...50 Ω
F <sub>u</sub>		2 A
w		4 g
Case	→ page B 11 – 6	G 4

<sup>1)</sup> Freely suspended or mounted on an insulator

<sup>2)</sup> Mounted on a painted metal sheet of min. 250 x 250 x 1 mm

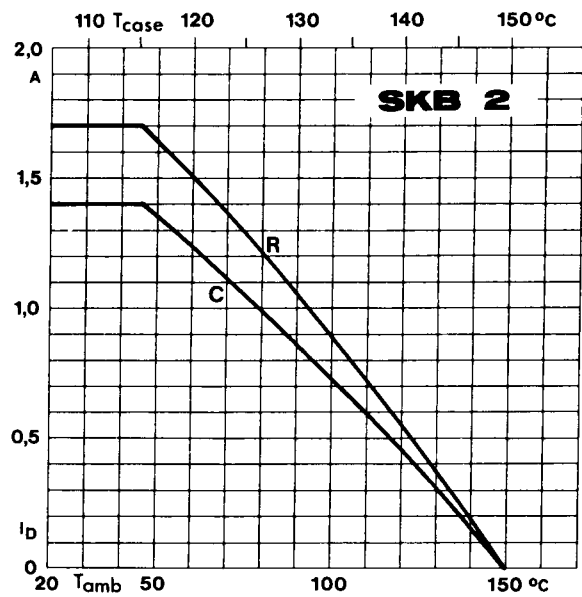


Fig. 1 Rated output current vs. ambient temperature

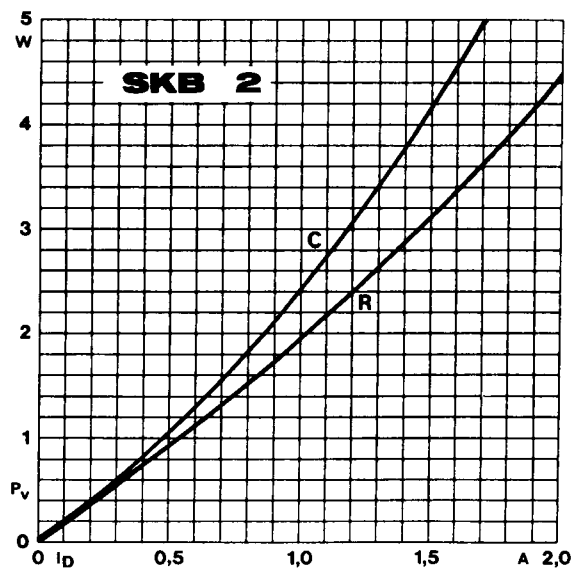


Fig. 2 Power dissipation vs. output current

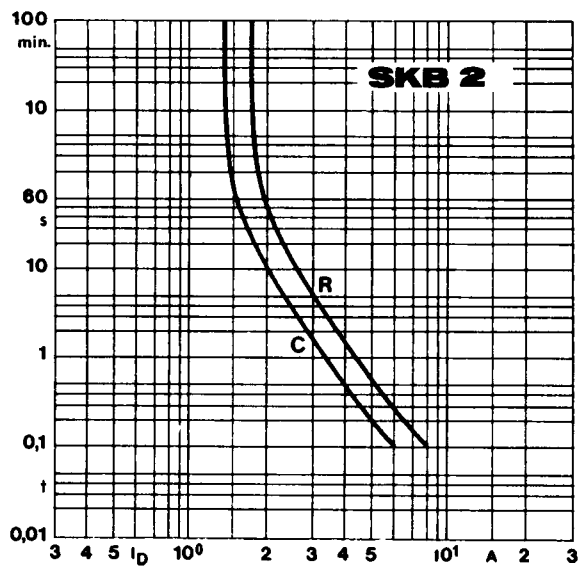


Fig. 6 Rated overload current vs. time

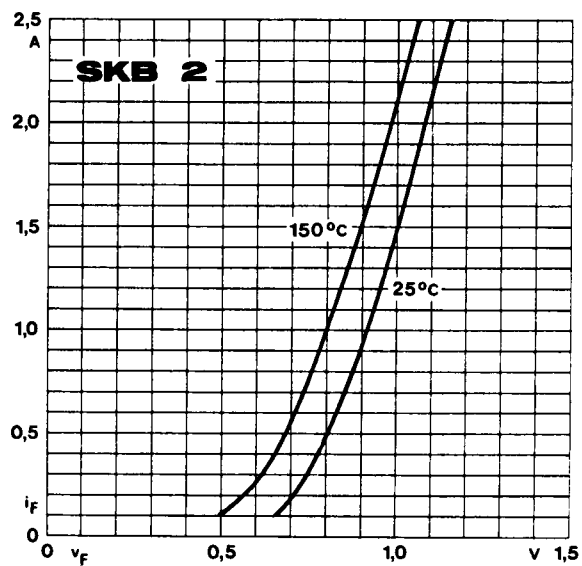
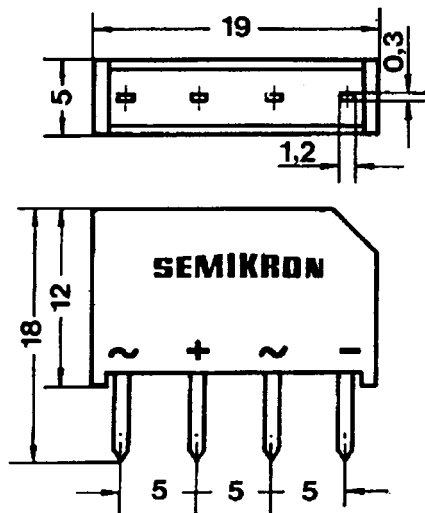
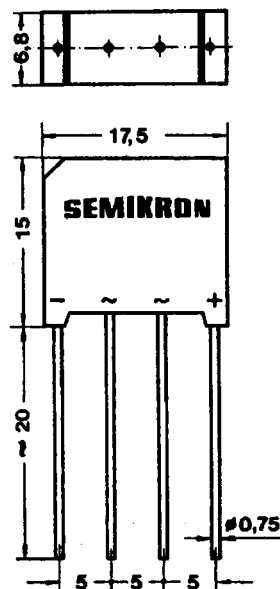


Fig. 9 Forward characteristics of a single diode

SKB B... C 1000 L5B      SKB B... C 1500 L5B  
 SKBa B 500 C 1000 L5B    SKBa B 500 C 1500  
 Case G 2



SKB 2  
 Case G 4



Dimensions in mm