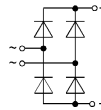


Miniature Bridge Rectifiers

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_{RSM} V_{RRM} V	V_{VRMS} V	I_D ($T_{amb} = 45\text{ °C}$) 2,5 A		
		Types	C_{max} μF	R_{min} Ω
200	60	SKB 2/02 L5A	3 000	1
400	125	SKB 2/04 L5A	2 200	1,5
800	250	SKB 2/08 L5A	1 000	3
1200	500	SKB 2/12 L5A	500	6

Symbol	Conditions	SKB 2
I_D	$T_{amb} = 45\text{ °C}$; isolated ¹⁾ chassis ²⁾	1,7 A 2,5 A
I_{DCL}	$T_{amb} = 45\text{ °C}$; isolated ¹⁾ chassis ²⁾	1,4 A 2 A
I_{FSM}	$T_{vj} = 25\text{ °C}$, 10 ms $T_{vj} = 150\text{ °C}$, 10 ms	58 A 50 A
i^2t	$T_{vj} = 25\text{ °C}$, 8,3...10 ms $T_{vj} = 150\text{ °C}$, 8,3...10 ms	17 A ² s 12,5 A ² s
V_F	$T_{vj} = 25\text{ °C}$; $I_F = 10\text{ A}$	1,65 V
$V_{(TO)}$	$T_{vj} = 150\text{ °C}$	0,85 A
r_T	$T_{vj} = 150\text{ °C}$	100 m Ω
I_{RD}	$T_{vj} = 25\text{ °C}$; $V_{RD} = V_{RRM} \leq 200\text{ V}$ $\geq 400\text{ V}$	20 μA 5 μA
	$T_{vj} = 150\text{ °C}$; $V_{RD} = V_{RRM} \leq 200\text{ V}$ $\geq 400\text{ V}$	1 mA 0,6 mA
t_{rr}	$T_{vj} = 25\text{ °C}$	typ. 10 μs
f_G		2000 Hz
R_{thja}	isolated ¹⁾ chassis ²⁾	30 °C/W 17,5 °C/W
T_{vj}		- 40...+ 150 °C
T_{stg}		- 55...+ 150 °C
RC	$P_R = 1\text{ W}$	10 nF+20...50 Ω
Fu		2 A
w		4 g
Case	→ page B 11 – 6	G 4

¹⁾ Freely suspended or mounted on an insulator

²⁾ Mounted on a painted metal sheet of min. 250 x 250 x 1 mm

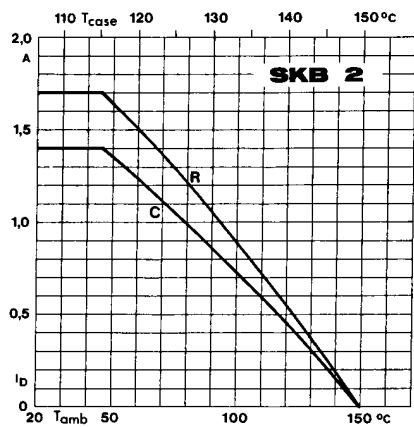


Fig. 1 Rated output current vs. ambient temperature

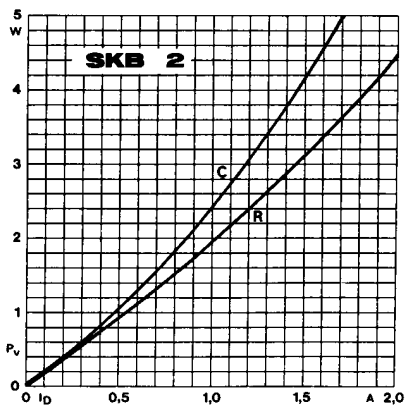


Fig. 2 Power dissipation vs. output current

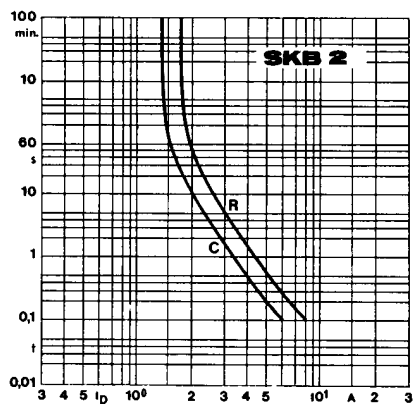


Fig. 6 Rated overload current vs. time

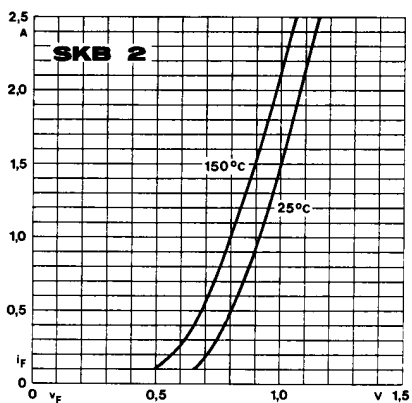
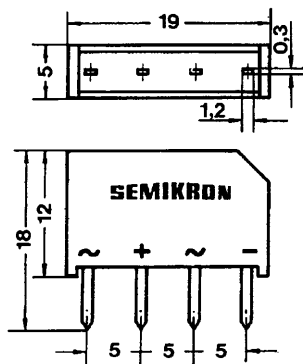


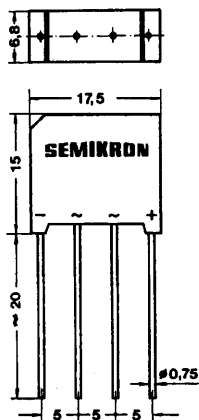
Fig. 9 Forward characteristics of a single diode

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

SKB B ... C 1500 L5B
SKBa B 500 C 1500



SKB 2
 Case G 4



Dimensions in mm