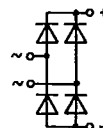


V <sub>VRMS</sub> V <sub>RRM</sub>  V	V <sub>VRMS</sub>  V	I <sub>D</sub> (T <sub>amb</sub> = 45 °C) 1,2 A		
		Types	C <sub>max</sub> μF	R <sub>min</sub> Ω
100	40	SKB 1,2/01	5 000	0,5
200	80	SKB 1,2/02	3 300	0,8
400	125	SKB 1,2/04	1 600	1,5
800	250	SKB 1,2/08	800	3
1200	500	SKB 1,2/12	400	6
V <sub>(BR)</sub> V	V <sub>VRMS</sub> V	Avalanche Type		
1300	500	SKBa 1,2/13	400	6

## Miniature Bridge Rectifiers

SKB 1,2  
SKBa 1,2

T.23-05



Symbol	Conditions	SKB 1,2 SKBa 1,2
I <sub>D</sub>	T <sub>amb</sub> = 45 °C <sup>1)</sup> 40 °C <sup>1)</sup>	1,2 A
I <sub>DCL</sub>	T <sub>amb</sub> = 45 °C <sup>1)</sup> 40 °C <sup>1)</sup>	1 A
I <sub>N</sub>	T <sub>amb</sub> = 45 °C <sup>1)</sup>	1 A
I <sub>NCL</sub>	T <sub>amb</sub> = 45 °C <sup>1)</sup>	0,8 A
I <sub>FSM</sub>	T <sub>vj</sub> = 25 °C; 8,3 ms/10 ms	64 A/58 A
	T <sub>vj max</sub> ; 8,3 ms/10 ms	55 A/50 A
i <sub>t</sub> <sup>2</sup>	T <sub>vj</sub> = 25 °C; 8,3 ... 10 ms	17 A <sup>2</sup> s
	T <sub>vj max</sub> ; 8,3 ms...10 ms	12,5 A <sup>2</sup> s
P <sub>RRM</sub>	t <sub>p</sub> = 10 μs; avalanche type	1000 W
V <sub>F</sub>	T <sub>vj</sub> = 25 °C; I <sub>F</sub> = 10 A	1,35 V
V <sub>(TO)</sub>	T <sub>vj max</sub>	0,85 V
r <sub>T</sub>	T <sub>vj max</sub>	100 mW
I <sub>RD</sub>	T <sub>vj</sub> = 25 °C; V <sub>RD</sub> = V <sub>RRM</sub> ≤ 200 V ≥ 400 V	20 μA 5 μA
	T <sub>vj max</sub> ; V <sub>RD</sub> = V <sub>RRM</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>		42 °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 Ω
F <sub>u</sub>		1,5 A
w		3 g
Case		G 1

### Features

- Plastic case
- High blocking voltage
- SKBa with avalanche characteristics

### Typical Applications

- Internal power supplies for electronic equipment
- DC power supplies
- Control equipment
- TV sets
- Avalanche type for inductive loads:  
Solenoids,  
Motor brakes

<sup>1)</sup> Mounted on a p.c.b.

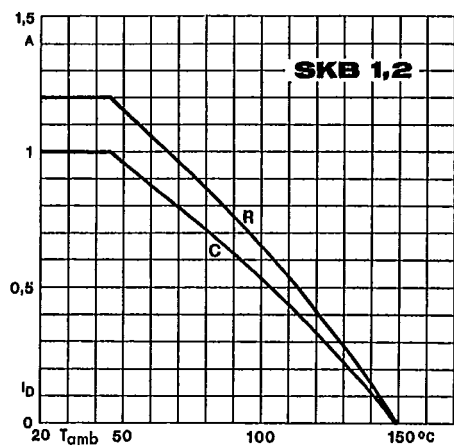


Fig. 1 Rated output current vs. ambient temperature

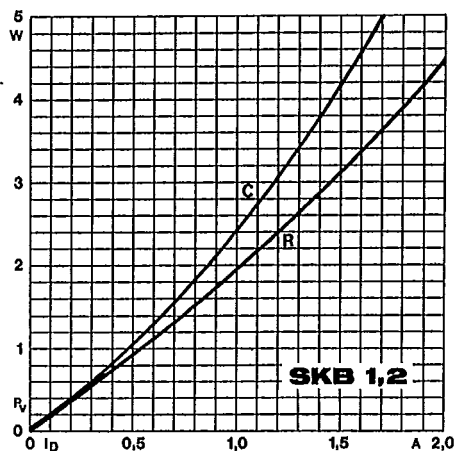


Fig. 2 Power dissipation vs. output current

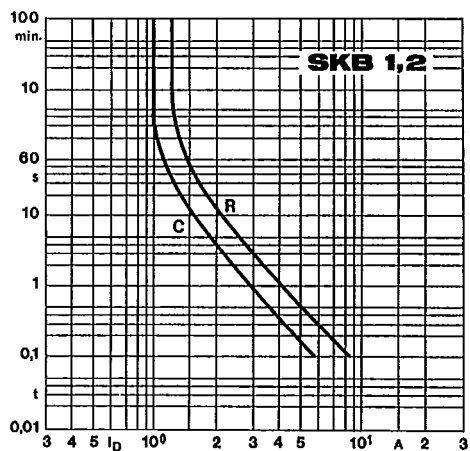


Fig. 6 Rated overload current vs. time

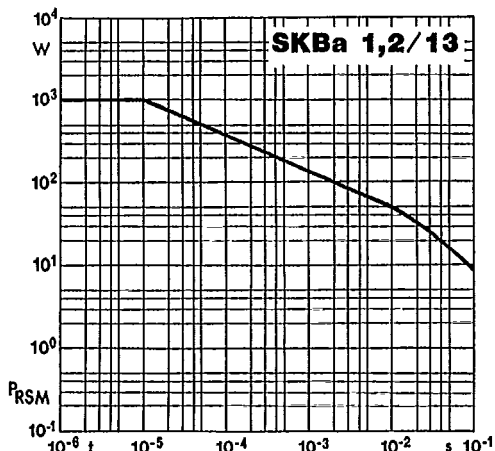


Fig. 7 Rated reverse power dissipation vs. time

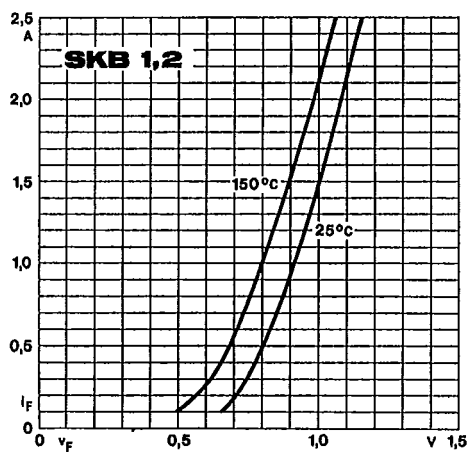


Fig. 9 Forward characteristics of a single diode

