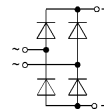


Miniature Bridge Rectifiers

SKB B ... C 3200/2200
SKBa B ... C 3200/2200

V_{RSM} V_{RRM}	V_{VRMS}	I_D ($T_{amb} = 45^\circ\text{C}$) 4 A		
		Types	C_{max} μF	R_{min} Ω
100	40	SKB B 40 C3200/2200	10000	0,25
400	125	SKB B 80 C3200/2200	3000	0,8
800	250	SKB B 250 C3200/2200	1700	1,6
900	380	SKB B 380 C3200/2200	1800	2,4
1200	500	SKB B 500 C3200/2200	800	3
$V_{(BR)min}$ V	V_{VRMS} V	Avalanche Type		
1300	500	SKBa B 500 C3200/2200	800	3



Features

- Compact plastic package with in-line terminals
- High blocking voltage
- SKBa with avalanche characteristics
- Plastic material used for carries Underwriters Laboratories flammability classification 94 V-0

Typical Applications

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

Symbol	Conditions	SKB... SKBa ...	Units
I_D	$T_{amb} = 45^\circ\text{C}$; isolated ¹⁾ chassis ²⁾	2,7 4,0	A A
I_{DCL}	$T_{amb} = 45^\circ\text{C}$; isolated ¹⁾ chassis ²⁾	2,2 3,2	A A
I_{FSM}	$T_{vj} = 25^\circ\text{C}$, 10 ms $T_{vj} = 150^\circ\text{C}$, 10 ms	115 100	A A
I^2t	$T_{vj} = 25^\circ\text{C}$, 8,3...10 ms $T_{vj} = 150^\circ\text{C}$, 8,3...10 ms	66 50	A^2s A^2s
P_{RSM}	$t_p = 10 \mu\text{s}$; avalanche type	2000	W
V_F	$T_{vj} = 25^\circ\text{C}$; $I_F = 10 \text{ A}$	1,25	V
$V_{(TO)}$	$T_{vj} = 150^\circ\text{C}$	0,85	V
r_T	$T_{vj} = 150^\circ\text{C}$	24	m Ω
I_{RD}	$T_{vj} = 25^\circ\text{C}$; $V_{RD} = V_{RRM} = 100 \text{ V}$ $\geq 400 \text{ V}$ $V_{RD} = V_{(BR)min}$	20 5 5	μA μA μA
	$T_{vj} = 150^\circ\text{C}$; $V_{DR} = V_{RRM} = 100 \text{ V}$ $\geq 400 \text{ V}$	1 0,6	mA mA
t_{rr}	$T_{vj} = 25^\circ\text{C}$	typ. 10	μs
f_G		2000	Hz
R_{thja}	isolated ¹⁾ chassis ²⁾	22 15	$^\circ\text{C}/\text{W}$ $^\circ\text{C}/\text{W}$
T_{vj}		- 40...+ 150	$^\circ\text{C}$
T_{stg}		- 55...+ 150	$^\circ\text{C}$
RC	$P_R = 1 \text{ W}$	20...50 10	Ω nF
F_u		4	A
w		10	g
Case		G 5	

¹⁾ Freely suspended or mounted on an insulator

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

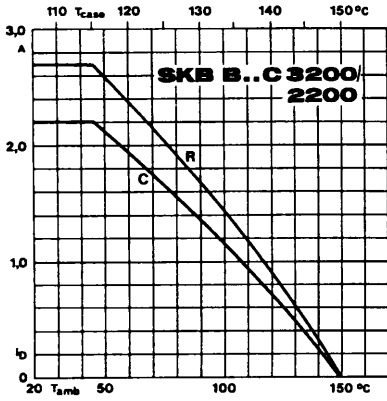


Fig. 1 Rated output current vs. ambient temperature

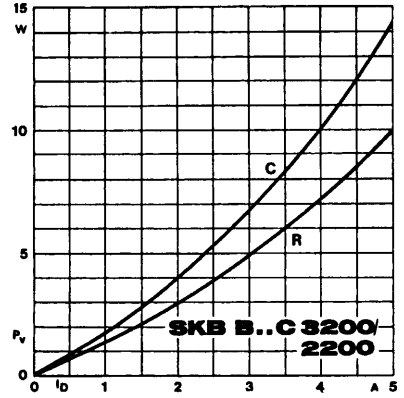


Fig. 2 Power dissipation vs. output current

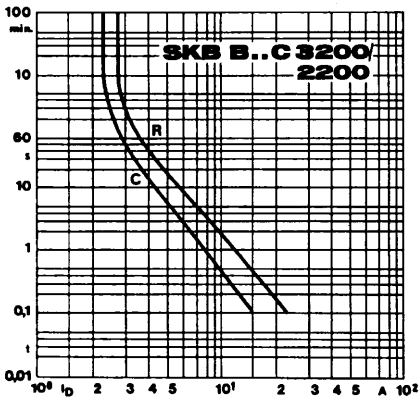


Fig. 6 Rated overload current vs. time

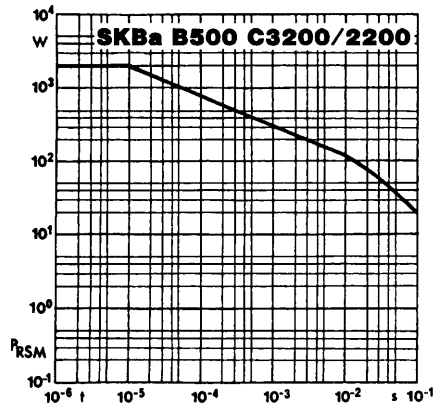


Fig. 7 Rated reverse power dissipation vs. time

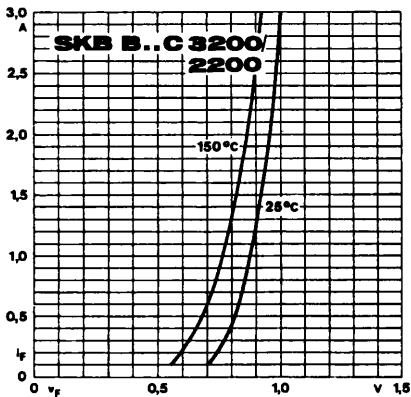
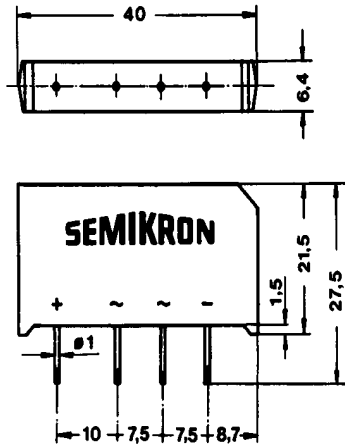


Fig. 9 Forward characteristics of a single diode

SKB B . . . C 3200/2200
SKBa B . . . C 3200/2200
Case G 5



Dimensions in mm

No. 3233 2500

