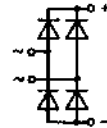
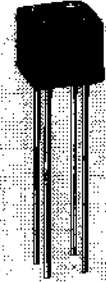


Miniature Bridge Rectifiers

SKB 1,2 SKBa 1,2

V_{RSM} V_{RRM}	V_{VRMS}	I_D ($T_{amb} = 45^\circ C$) 1,2 A		
V	V	Types	C_{max} μF	R_{min} 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
$V_{(BR)}$ V	V_{VRMS} V	Avalanche Type		
1300	500	SKBa 1,2/13	400	6



Symbol	Conditions	SKB 1,2 SKBa 1,2
I_D	$T_{amb} = 45^\circ C^{1)}$ $40^\circ C^{1)}$	1,2 A
I_{DCL}	$T_{amb} = 45^\circ C^{1)}$ $40^\circ C^{1)}$	1 A
I_N	$T_{amb} = 45^\circ C^{1)}$	1 A
I_{NCL}	$T_{amb} = 45^\circ C^{1)}$	0,8 A
I_{FSM}	$T_{vj} = 25^\circ C; 8,3 \text{ ms}/10 \text{ ms}$ $T_{vj \text{ max}}; 8,3 \text{ ms}/10 \text{ ms}$	64 A/58 A 55 A/50 A
$i^2 t$	$T_{vj} = 25^\circ C; 8,3 \dots 10 \text{ ms}$ $T_{vj \text{ max}}; 8,3 \text{ ms} \dots 10 \text{ ms}$	$17 A^2 s$ $12,5 A^2 s$
P_{RSM}	$t_p = 10 \mu s$; avalanche type	1000 W
V_F	$T_{vj} = 25^\circ C; I_F = 10 \text{ A}$	1,35 V
$V_{(TO)}$	$T_{vj \text{ max}}$	0,85 V
r_T	$T_{vj \text{ max}}$	100 mW
I_{RD}	$T_{vj} = 25^\circ C; V_{RD} = V_{RRM} \leq 200 \text{ V}$ $\geq 400 \text{ V}$ $T_{vj \text{ max}}; V_{RD} = V_{RRM} \leq 200 \text{ V}$ $\geq 400 \text{ V}$	20 μA 5 μA 1 mA 0,6 mA
t_{rr}	$T_{vj} = 25^\circ C$; typ.	10 μs
f_G		2000 Hz
R_{thja}		42 $^\circ C/W$
T_{vj}		- 40...+ 150 $^\circ C$
T_{stg}		- 55...+ 150 $^\circ C$
RC	$P_R = 1 \text{ W}$	10 nF+20 Ω
F_u		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

¹⁾ Mounted on a p.c.b.

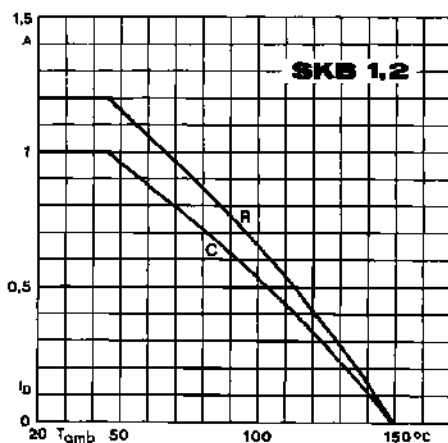


Fig. 1 Rated output current vs. ambient temperature

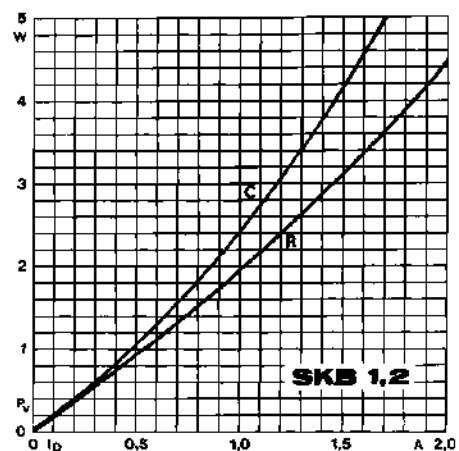


Fig. 2 Power dissipation vs. output current

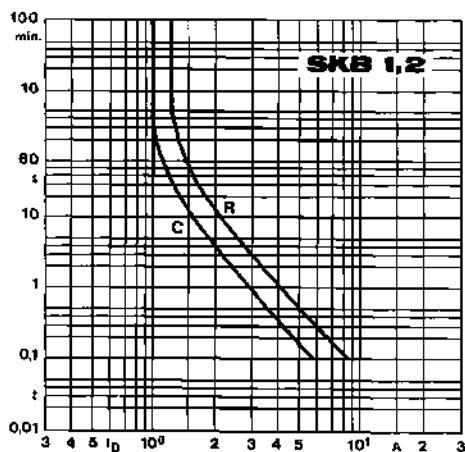


Fig. 6 Rated overload current vs. time

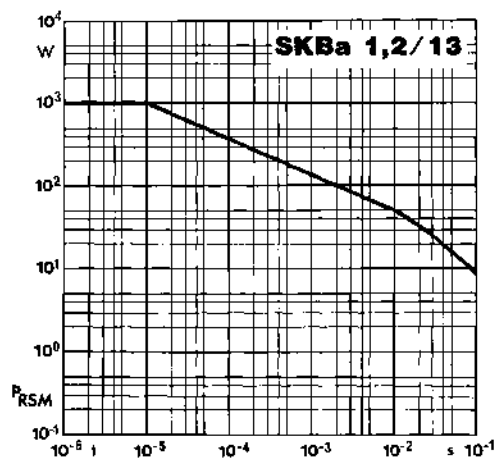


Fig. 7 Rated reverse power dissipation vs. time

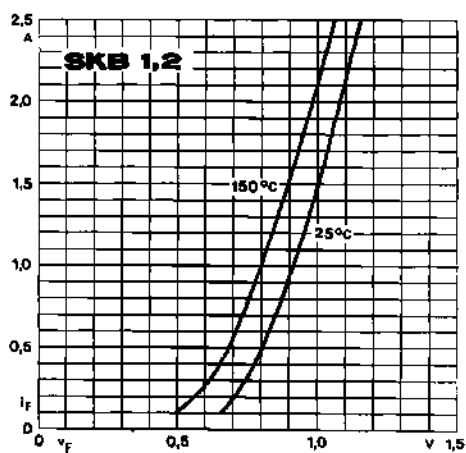
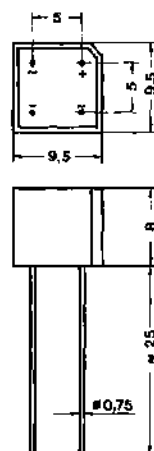


Fig. 9 Forward characteristics of a single diode

SKB 1,2
SKBa 1,2
Case G1



Dimensions in mm