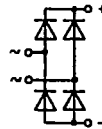
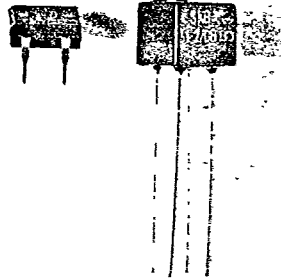


V _{RSM} V _{RRM}	V _{VRMS} V	I _D (T _{amb} = ...)					
		1 A (40 °C)			1,2 A (45 °C)		
V	V	Types	C _{max} μF	R _{min} Ω	Types	C _{max} μF	R _{min} Ω
50	20	SKB 1/005	10 000	0,5	—	—	—
100	40	SKB 1/01	5 000	1	SKB 1,2/01	5 000	0,5
200	80	SKB 1/02	2 500	2	SKB 1,2/02	3 300	0,8
400	125	SKB 1/04	1 000	4	SKB 1,2/04	1 600	1,5
800	250	SKB 1/08	500	8	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

Miniature Bridge Rectifiers

SKB 1
SKB 1,2
SKBa 1,2



Symbol	Conditions	SKB 1	SKB 1,2 SKBa 1,2
I _D	T _{amb} = 45 °C ¹⁾ 40 °C ¹⁾	1 A	1,2 A
I _{DCL}	T _{amb} = 45 °C ¹⁾ 40 °C ¹⁾	0,8 A	1 A
I _N	T _{amb} = 45 °C ¹⁾	0,75 A	1 A
I _{NCL}	T _{amb} = 45 °C ¹⁾	0,6 A	0,8 A
I _{FSM}	T _{Vj} = 25 °C; 8,3 ms/10 ms	38 A/35 A	64 A/58 A
I ² t	T _{Vj max} ; 8,3 ms/10 ms	33 A/30 A	55 A/50 A
	T _{Vj} = 25 °C; 8,3 ... 10 ms	6,1 A ² s	17 A ² s
	T _{Vj max} ; 8,3 ms...10 ms	4,5 A ² s	12,5 A ² s
P _{RRM}	t _p = 10 μs; avalanche type		1000 W
V _F	T _{Vj} = 25 °C; (I _F = ...)	1 V (1 A)	1,35 V (10 A)
V _(TO)	T _{Vj max}	0,8 V	0,85 V
r _T	T _{Vj max}	125 mΩ	100 mΩ
I _{RD}	T _{Vj} = 25 °C; V _{RD} = V _{RRM} ≤ 200 V	10 μA	20 μA
	≤ 400 V	10 μA	5 μA
	T _{Vj max} ; V _{RD} = V _{RRM} ≤ 200 V	1 mA	1 mA
	≤ 400 V	1 mA	0,6 mA
t _{rr}	T _{Vj} = 25 °C; typ.	10 μs	10 μs
f _g		2000 Hz	2000 Hz
R _{thja}		57 °C/W	42 °C/W
T _{Vj}		-55... + 125 °C	-40... + 150 °C
T _{stg}		-55... + 150 °C	-55... + 150 °C
RC	P _R = 1 W	10 nF + 20 Ω	10 nF + 20 Ω
Fu		1,5 A	1,5 A
w		0,5 g	3 g
Case	→ page B 11-6	G 27	G 1

Features

- Plastic case
- High blocking voltage
- SKBa with avalanche characteristics
- SKB1: Plastic material used carries Underwriters Laboratory recognition 94 V-0

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.

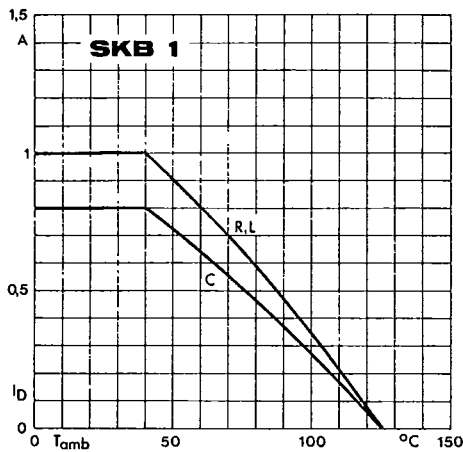


Fig. 1 a Rated output current vs. ambient temperature

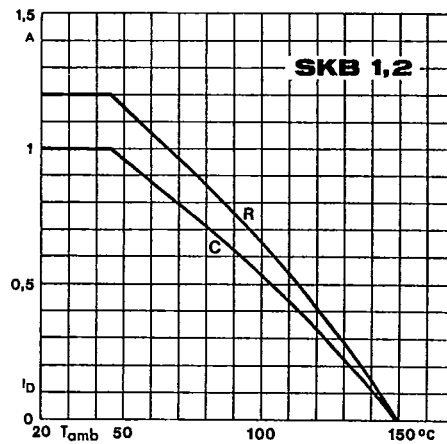


Fig. 1 b Rated output current vs. ambient temperature

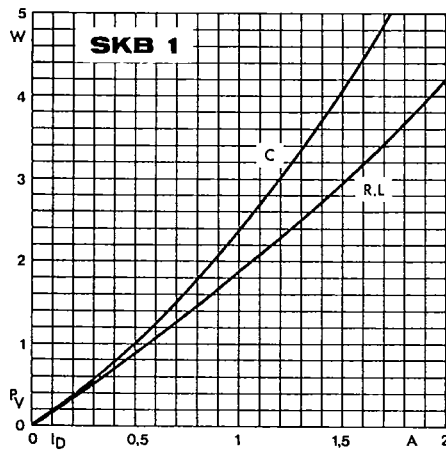


Fig. 2 a Power dissipation vs. output current

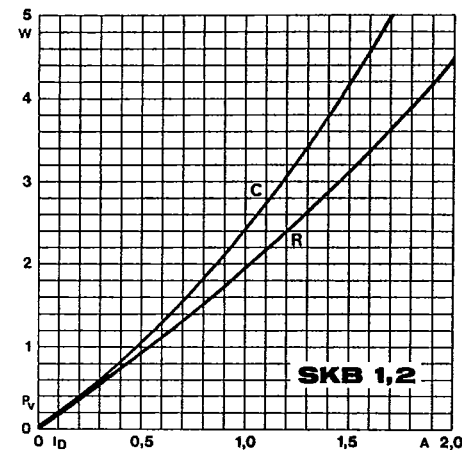


Fig. 2 b Power dissipation vs. output current

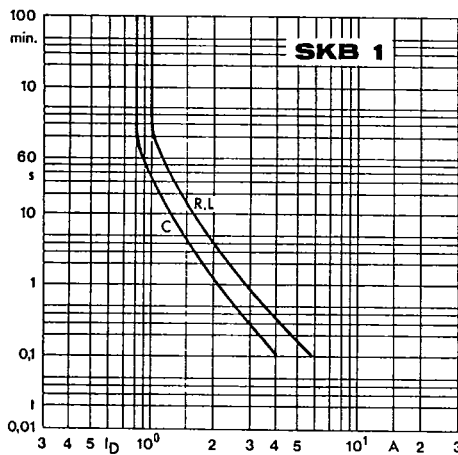


Fig. 6 a Rated overload current vs. time

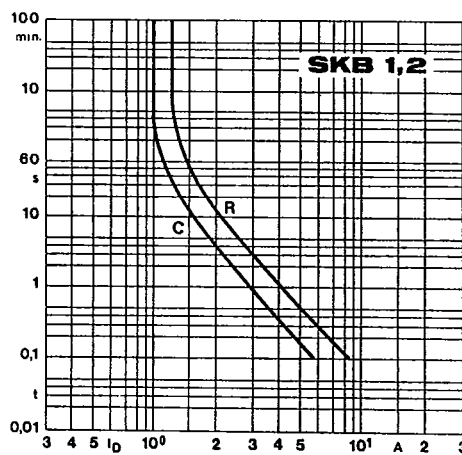


Fig. 6 b Rated overload current vs. time

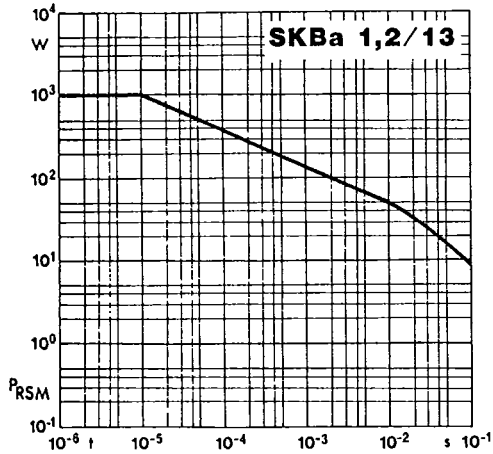


Fig. 7 Rated reverse power dissipation vs. time

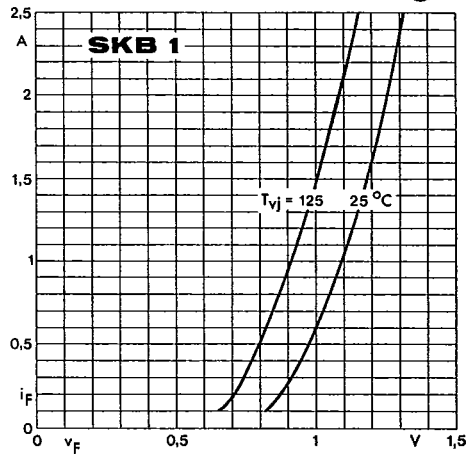


Fig. 9 a Forward characteristics of a single diode

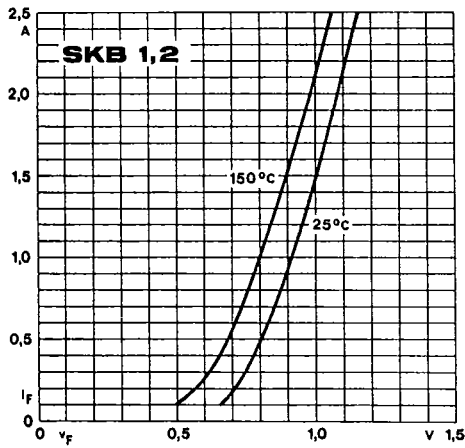
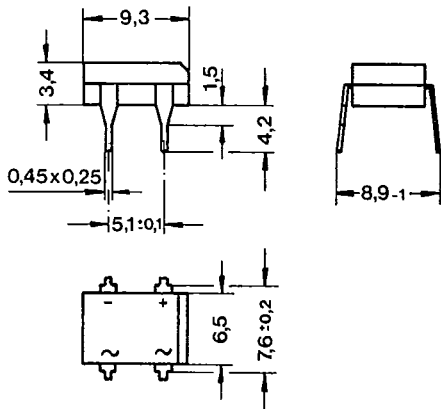


Fig. 9 b Forward characteristics of a single diode

SKB 1

Case G 27

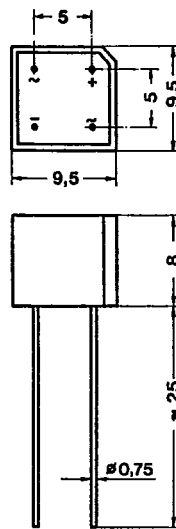


Dimensions in mm

SKB 1,2

SKBa 1,2

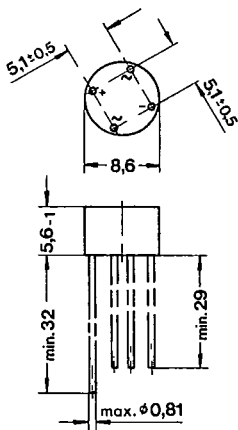
Case G1



Dimensions in mm

SKB 1,5

Case G 28



Dimensions in mm