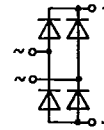


| V _{RSM} V _{RRM} | V _{VRMS} V | I _D (T _{amb} = 45 °C) 1,2 A | | |
|--------------------------------------|------------------------|--|------------------------|-----------------------|
| | | Types | C _{max} μF | R _{min} Ω |
| 100 | 40 | SKB 1,2/01 | 5 000 | 0,5 |
| 200 | 80 | SKB 1,2/02 | 3 300 | 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 |

Miniature Bridge Rectifiers

SKB 1,2
SKBa 1,2

T-23-05



| Symbol | Conditions | SKB 1,2 SKBa 1,2 |
|-------------------|---|-----------------------|
| I _D | T _{amb} = 45 °C ¹⁾ 40 °C ¹⁾ | 1,2 A |
| I _{DCL} | T _{amb} = 45 °C ¹⁾ 40 °C ¹⁾ | 1 A |
| I _N | T _{amb} = 45 °C ¹⁾ | 1 A |
| I _{NCL} | T _{amb} = 45 °C ¹⁾ | 0,8 A |
| I _{FSM} | T _{vj} = 25 °C; 8,3 ms/10 ms | 64 A/58 A |
| i ² t | T _{vj max} ; 8,3 ms/10 ms | 55 A/50 A |
| | T _{vj} = 25 °C; 8,3 ... 10 ms | 17 A ² s |
| P _{RSM} | T _{vj max} ; 8,3 ms...10 ms | 12,5 A ² s |
| | t _p = 10 μs; avalanche type | 1000 W |
| V _F | T _{vj} = 25 °C; I _F = 10 A | 1,35 V |
| V _(TO) | T _{vj max} | 0,85 V |
| r _T | T _{vj max} | 100 mW |
| I _{RD} | T _{vj} = 25 °C; V _{RD} = V _{RRM} ≤ 200 V | 20 μA |
| | ≥ 400 V | 5 μA |
| t _{rr} | T _{vj max} ; V _{RD} = V _{RRM} ≤ 200 V | 1 mA |
| | ≥ 400 V | 0,6 mA |
| f _g | T _{vj} = 25 °C; typ. | 10 μs |
| R _{thja} | | 42 °C/W |
| T _{vj} | | -40...+ 150 °C |
| T _{stg} | | -55...+ 150 °C |
| RC | P _R = 1 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.

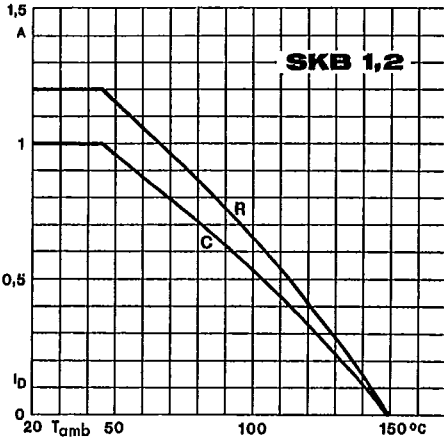


Fig. 1 Rated output current vs. ambient temperature

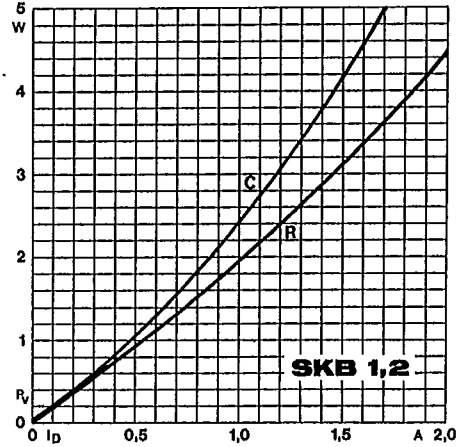


Fig. 2 Power dissipation vs. output current

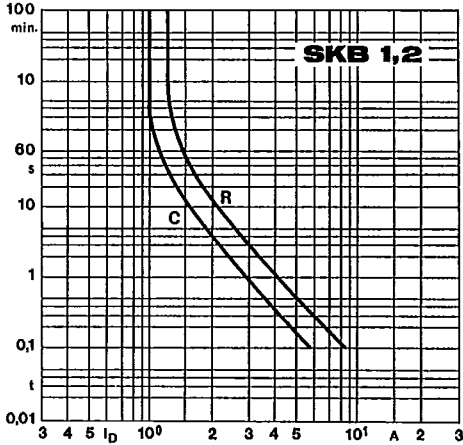


Fig. 6 Rated overload current vs. time

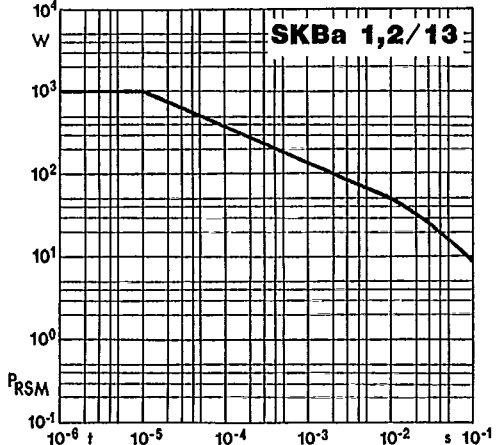


Fig. 7 Rated reverse power dissipation vs. time

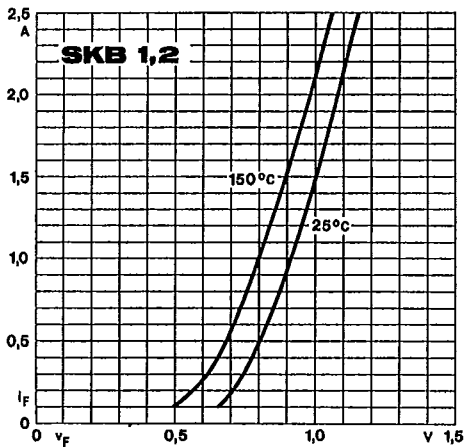


Fig. 9 Forward characteristics of a single diode

