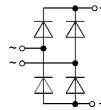


Miniature Bridge Rectifiers

SKB 2

| V _{RSM} V _{RRM} | V _{VRMS} | I _D (T _{amb} = 45 °C) 2,5 A | | |
|--------------------------------------|-------------------|--|------------------------|-----------------------|
| | | Types | C _{max} μF | R _{min} Ω |
| 200 | 60 | SKB 2/02 L5A | 3 000 | 1 |
| 400 | 125 | SKB 2/04 L5A | 2 200 | 1,5 |
| 800 | 250 | SKB 2/08 L5A | 1 000 | 3 |
| 1200 | 500 | SKB 2/12 L5A | 500 | 6 |

| Symbol | Conditions | SKB 2 |
|-------------------|--|--|
| I _D | T _{amb} = 45 °C; isolated ¹⁾ chassis ²⁾ | 1,7 A 2,5 A |
| I _{DCL} | T _{amb} = 45 °C; isolated ¹⁾ chassis ²⁾ | 1,4 A 2 A |
| I _{FSM} | T _{vj} = 25 °C, 10 ms T _{vj} = 150 °C, 10 ms | 58 A 50 A |
| i ² t | T _{vj} = 25 °C, 8,3...10 ms T _{vj} = 150 °C, 8,3...10 ms | 17 A ² s 12,5 A ² s |
| V _F | T _{vj} = 25 °C; I _F = 10 A | 1,65 V |
| V _(TO) | T _{vj} = 150 °C | 0,85 A |
| r _T | T _{vj} = 150 °C | 100 mΩ |
| I _{RD} | T _{vj} = 25 °C; V _{RD} = V _{RRM} ≤ 200 V ≥ 400 V | 20 μA 5 μA |
| | T _{vj} = 150 °C; V _{RD} = V _{RRM} ≤ 200 V ≥ 400 V | 1 mA 0,6 mA |
| t _{rr} | T _{vj} = 25 °C | typ. 10 μs |
| f _G | | 2000 Hz |
| R _{thja} | isolated ¹⁾ chassis ²⁾ | 30 °C/W 17,5 °C/W |
| T _{vj} | | - 40...+ 150 °C |
| T _{stg} | | - 55...+ 150 °C |
| RC | P _R = 1 W | 10 nF+20...50 Ω |
| F _u | | 2 A |
| w | | 4 g |
| Case | → page B 11 – 6 | G 4 |



Features

- Compact plastic package with in-line terminals
- High blocking voltage

Typical Applications

- Internal power supplies for electronic equipment
- DC power supplies
- Control equipment
- TV sets

¹⁾ Freely suspended or mounted on an insulator

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

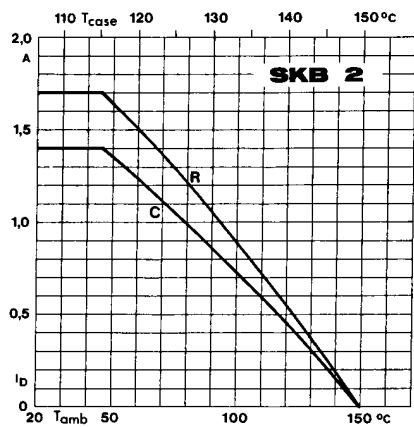


Fig. 1 Rated output current vs. ambient temperature

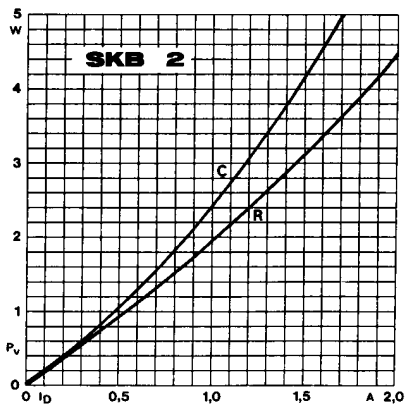


Fig. 2 Power dissipation vs. output current

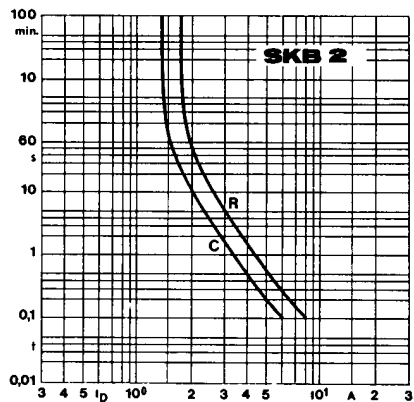


Fig. 6 Rated overload current vs. time

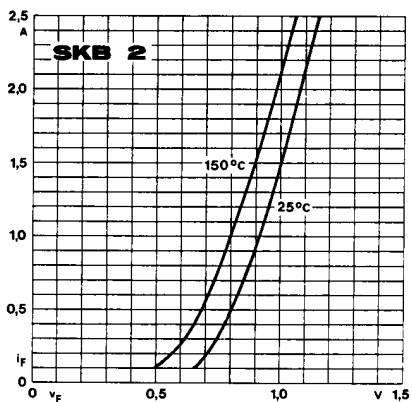
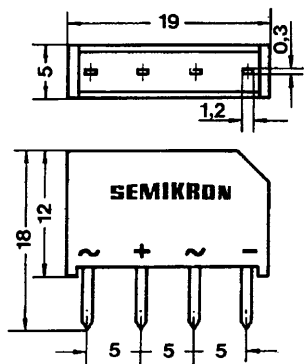
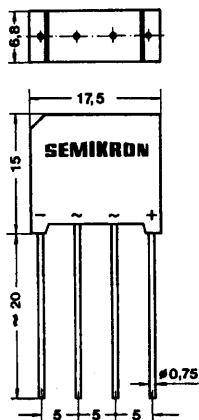


Fig. 9 Forward characteristics of a single diode

SKB B ... C 1000 L5B SKB B ... C 1500 L5B
 SKBa B 500 C 1000 L5B SKBa B 500 C 1500
 Case G 2



SKB 2
 Case G 4



Dimensions in mm