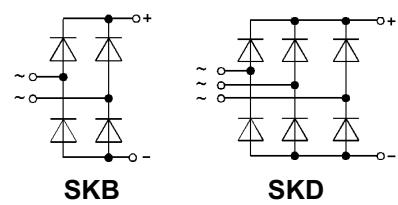


V _{RSM} V _{RRM} V	I _D (T _{case} = . . .)			
	50 A (99 °C)	70 A (101 °C)	60 A (110 °C)	80 A (110 °C)
400	SKB 52/04	SKB 72/04	SKD 62/04	SKD 82/04
800	SKB 52/08	SKB 72/08	SKD 62/08	SKD 82/08
1200	SKB 52/12	SKB 72/12	SKD 62/12	SKD 82/12
1400	SKB 52/14	SKB 72/14	SKD 62/14	SKD 82/14
1600	SKB 52/16	SKB 72/16	SKD 62/16	SKD 82/16
1800	SKB 52/18	SKB 72/18	SKD 62/18*	SKD 82/18*

SEMIPONT® 3 Power Bridge Rectifiers

SKB 52 **SKD 62**
SKB 72 **SKD 82**



Features

- Robust plastic case with screw terminals
- Large, isolated base plate
- Blocking voltage up to 1800 V
- High surge currents
- **SKB** = single phase bridge rectifier
- **SKD** = three phase bridge rectifier
- Easy chassis mounting
- UL recognized, file no. E 63 532

Typical Applications

- Single and three phase rectifiers for power supplies
- Input rectifiers for variable frequency drives
- Rectifiers for DC motor field supplies
- Battery charger rectifiers

* Available in limited quantities

¹⁾ Freely suspended or mounted on an isolator

²⁾ Mounted on a painted metal sheet of min. 250 x 250 x 1 mm; R_{thha} = 1,8 °C/W

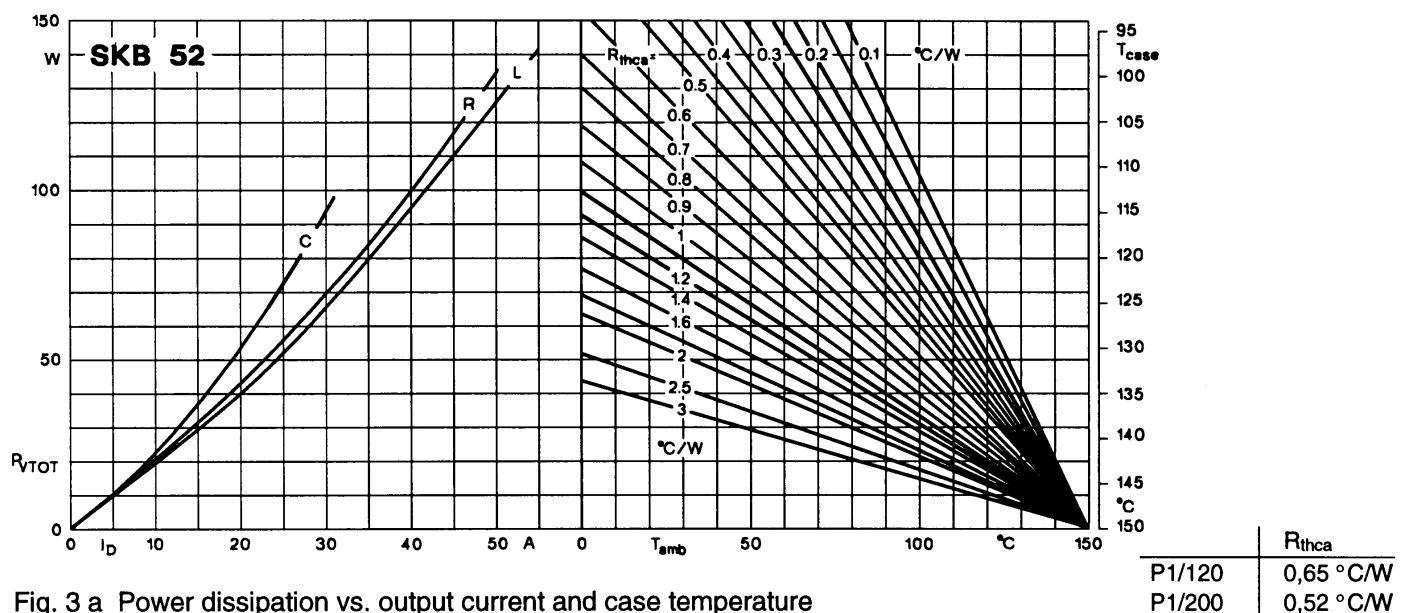


Fig. 3 a Power dissipation vs. output current and case temperature

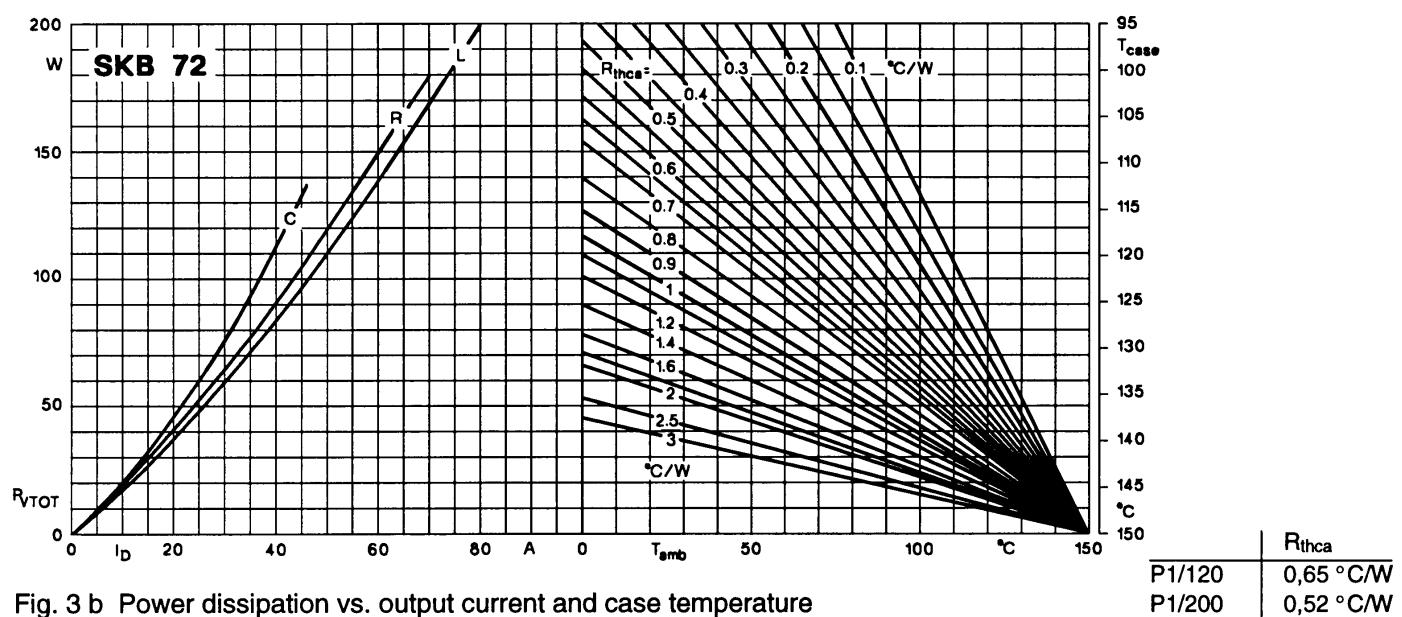


Fig. 3 b Power dissipation vs. output current and case temperature

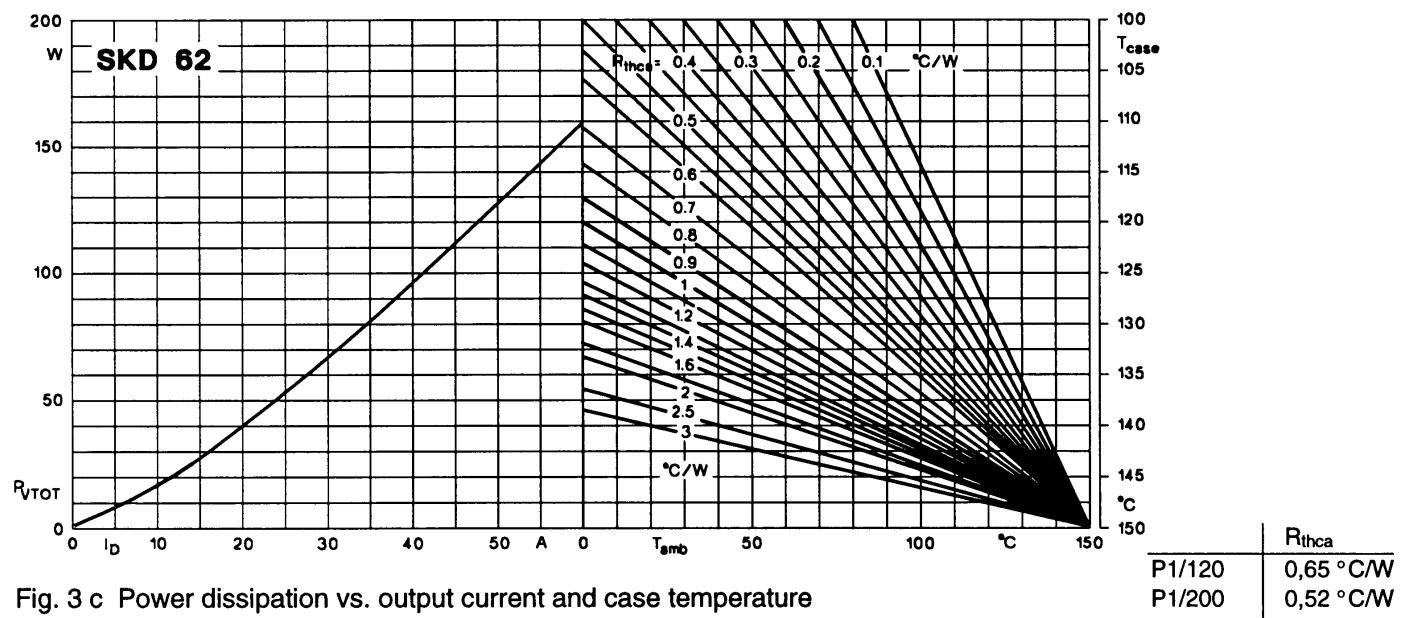


Fig. 3 c Power dissipation vs. output current and case temperature

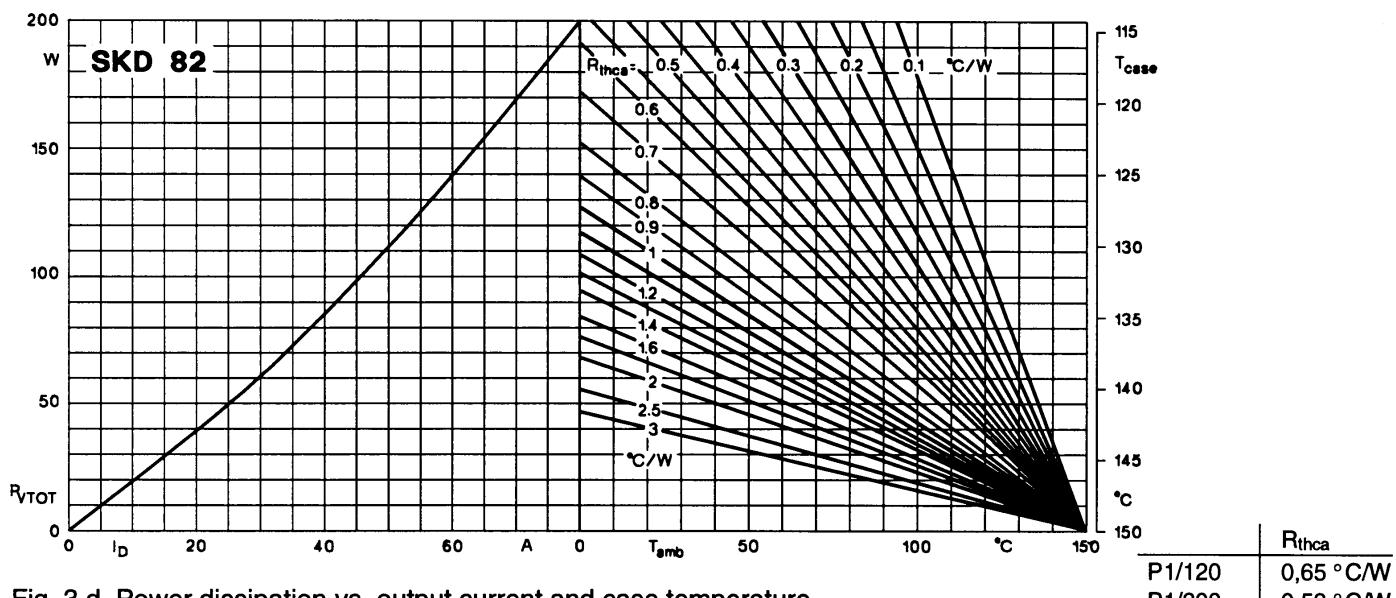


Fig. 3 d Power dissipation vs. output current and case temperature

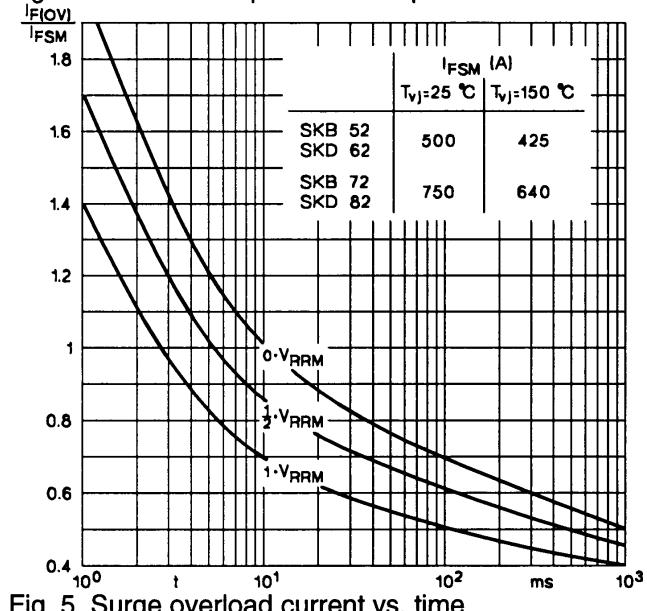


Fig. 5 Surge overload current vs. time

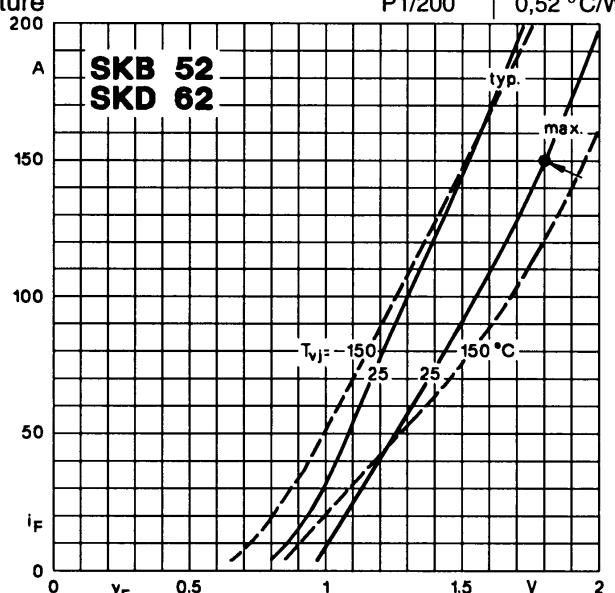


Fig. 9 a Forward characteristics of a single diode

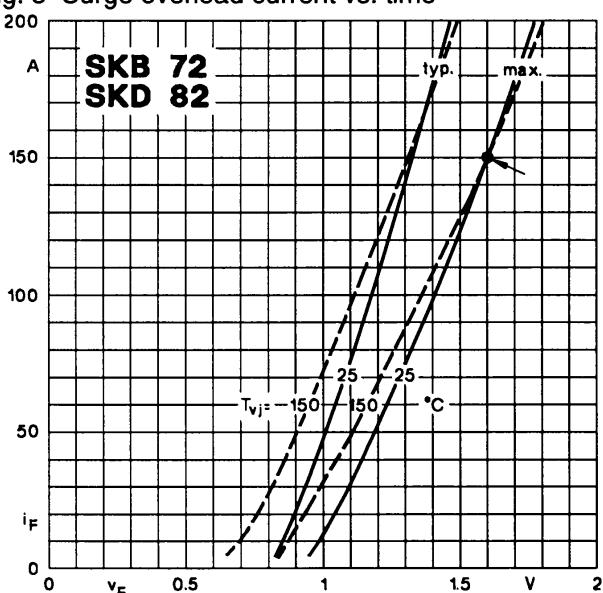


Fig. 9 b Forward characteristics of a single diode

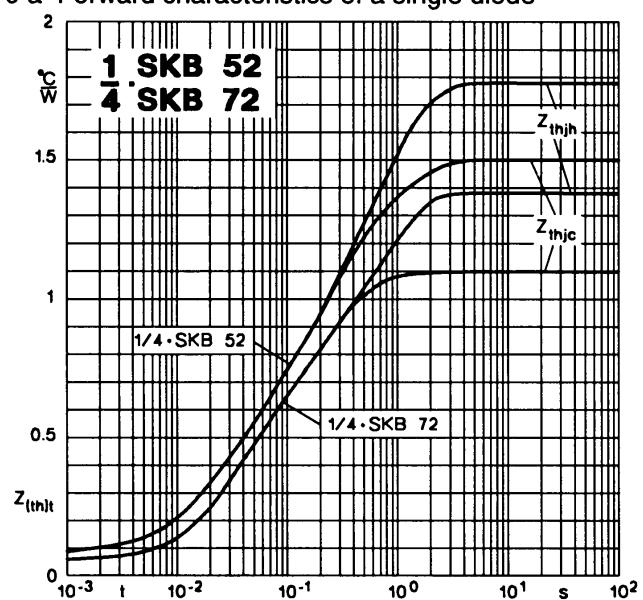


Fig. 12 a Transient thermal impedance vs. time

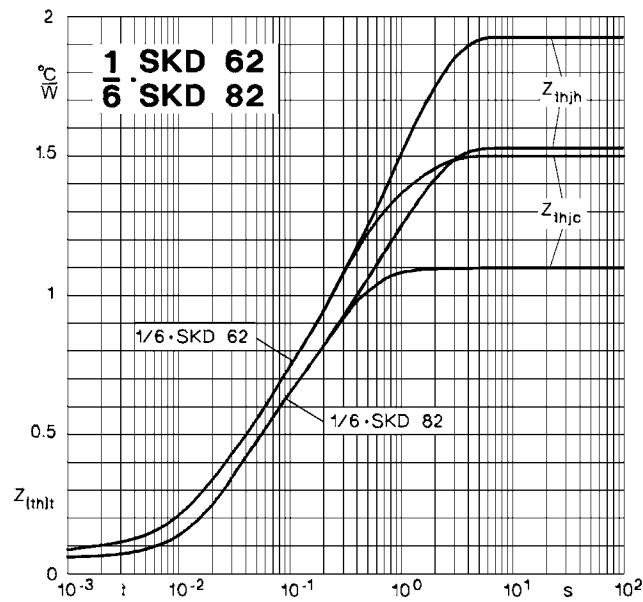


Fig. 12 b Transient thermal impedance vs. time

