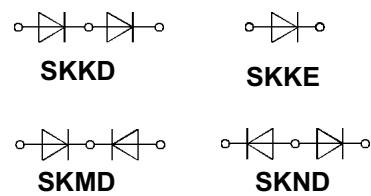


V _{RSM}	V _{RRM}	I _{FRMS} (maximum value for continuous operation)		
		175 A	310 A	310 A
		I _{FAV} (sin. 180; T _{case} = . . .)		
V	V	100 A (85 °C)	160 A (95 °C)	160 A (95 °C)
500	400	SKKD 100/04	—	—
900	800	SKKD 100/08	SKKD 162/08	SKKE 162/08
1300	1200	SKKD 100/12	SKKD 162/12	SKKE 162/12
1500	1400	SKKD 100/14	SKKD 162/14	SKKE 162/14
1700	1600	SKKD 100/16	SKKD 162/16	SKKE 162/16
1900	1800	SKKD 100/18	SKKD 162/18	SKKE 162/18
2100	2000	—	SKKD 162/20 H4⁴⁾	—
2300	2200	—	SKKD 162/22 H4⁴⁾	—

Rectifier Diode Modules

SEMIPACK® 1
SKKD 100 **SKMD 100¹⁾**

SEMIPACK® 2
SKKD 162 **SKND 162¹⁾**
SKKE 162



Features

- Heat transfer through aluminium oxide ceramic isolated metal baseplate
- Hard soldered joints for high reliability
- **SKKD** half bridge connection center-tap connections:
- **SKMD** common cathode
- **SKND** common anode
- UL recognized, file no. E 63 532

Typical Applications

- Non-controllable rectifiers for AC/AC converters
- Line rectifiers for transistorized AC motor controllers
- Field supply for DC motors
- SKKE: Free-wheeling diodes

V _{isol}	a. c. 50 Hz; r.m.s.; 1 s/1 min	3600 / 3000	V~
M ₁	to heatsink	5 (44 lb. in.) ± 15 %	Nm
M ₂	to terminals	3 (26 lb. in.) ± 15 % ³⁾	Nm
a		5 · 9,81	m/s ²
w	approx.	95	g
Case	→ page B 1 – 95; 96	SKKD 100: A 10	SKKD 162: A 23 SKKE 162: A 24 SKND 162: A 57
	(B 1 – 38: SKMD 100: A 33)		

¹⁾ SKMD 100, SKND 162 available on request

²⁾ SKKD types only

³⁾ See the assembly instructions

⁴⁾ V_{isol} 1 s/1 min. = 4800/4000 V~

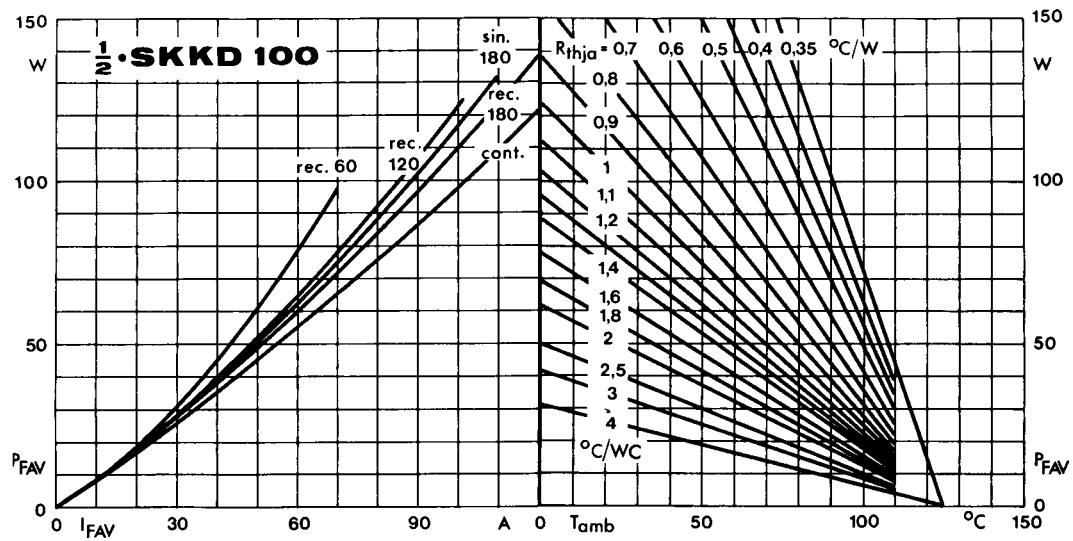


Fig. 11 a Power dissipation per diode vs. forward current and ambient temperature

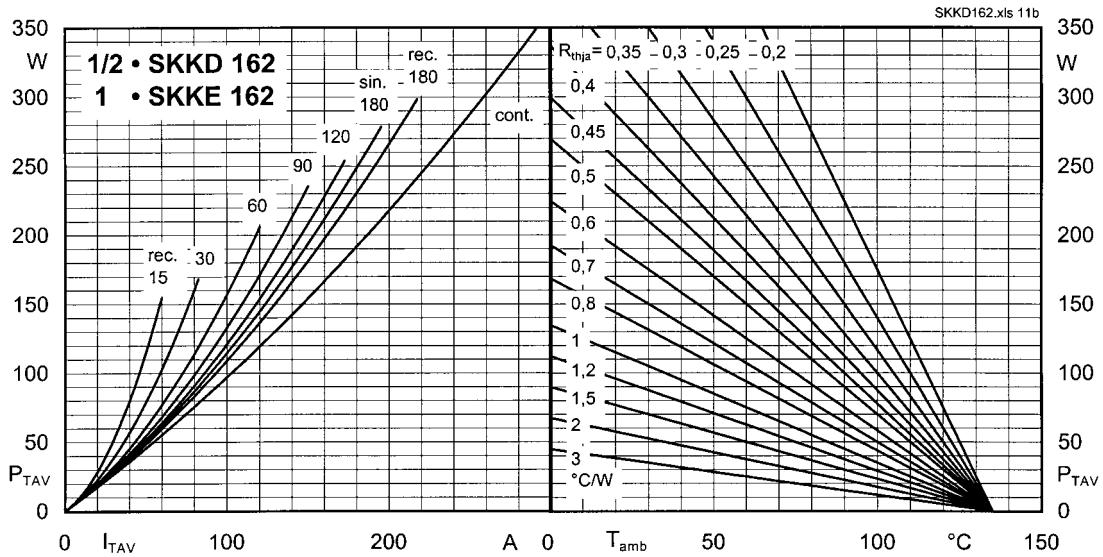


Fig. 11 b Power dissipation per diode vs. forward current and ambient temperature

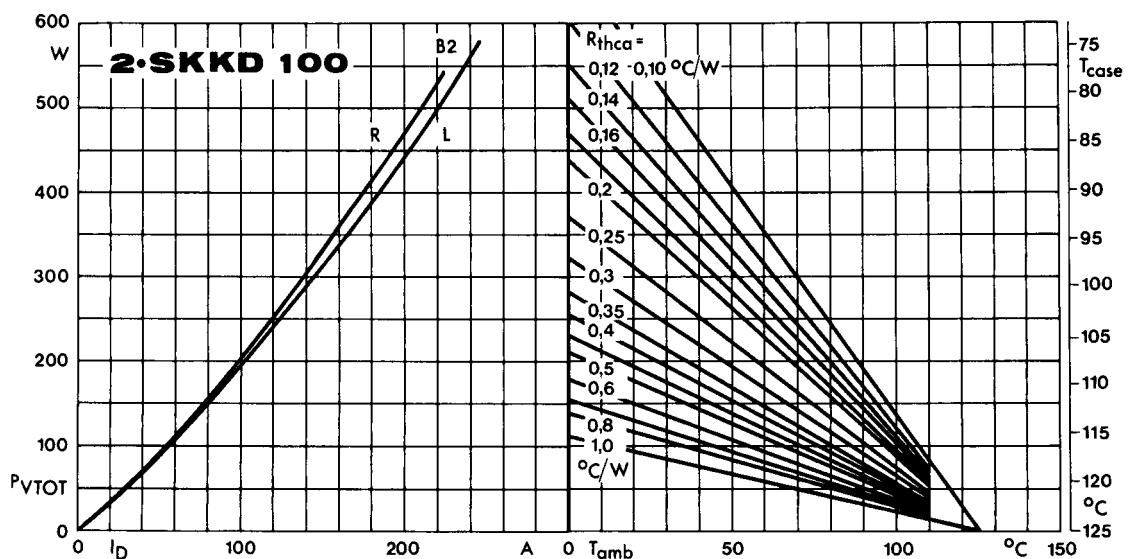


Fig. 12 a Power dissipation of two module vs. direct current and case temperature

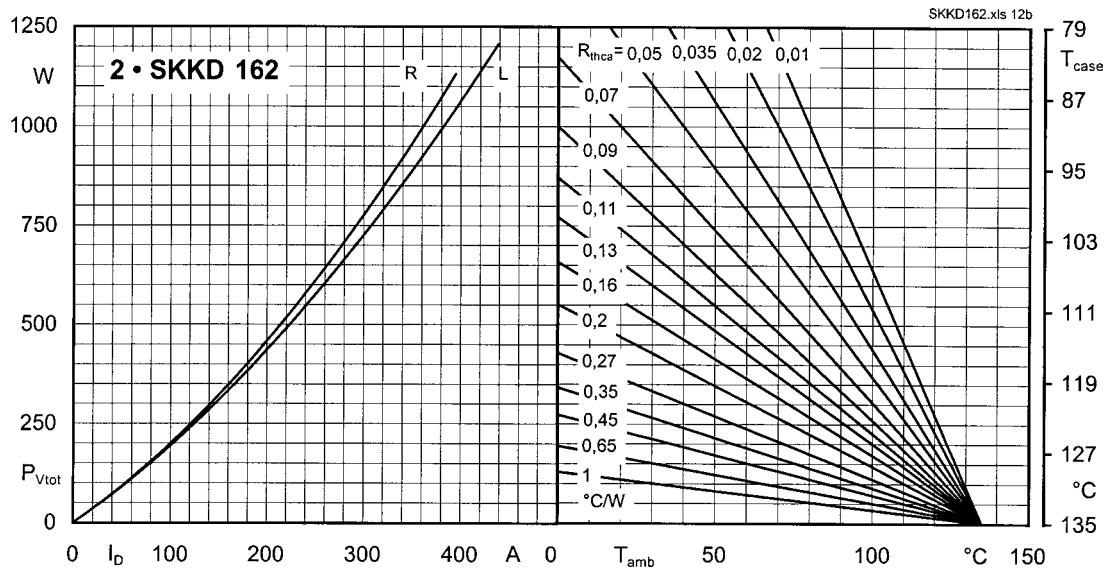


Fig. 12 b Power dissipation of two modules vs. direct current and case temperature

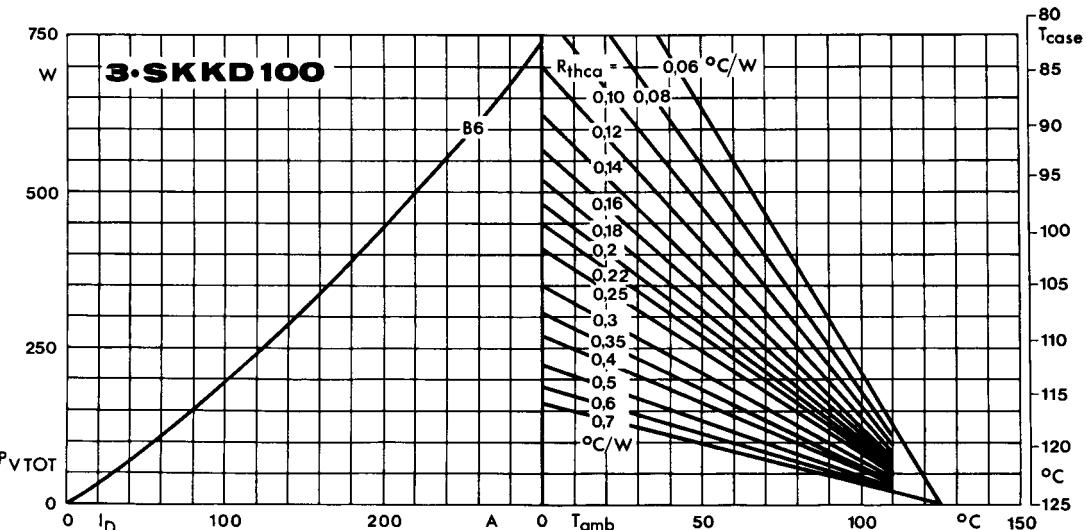


Fig. 13 a Power dissipation of three modules vs. direct current and case temperature

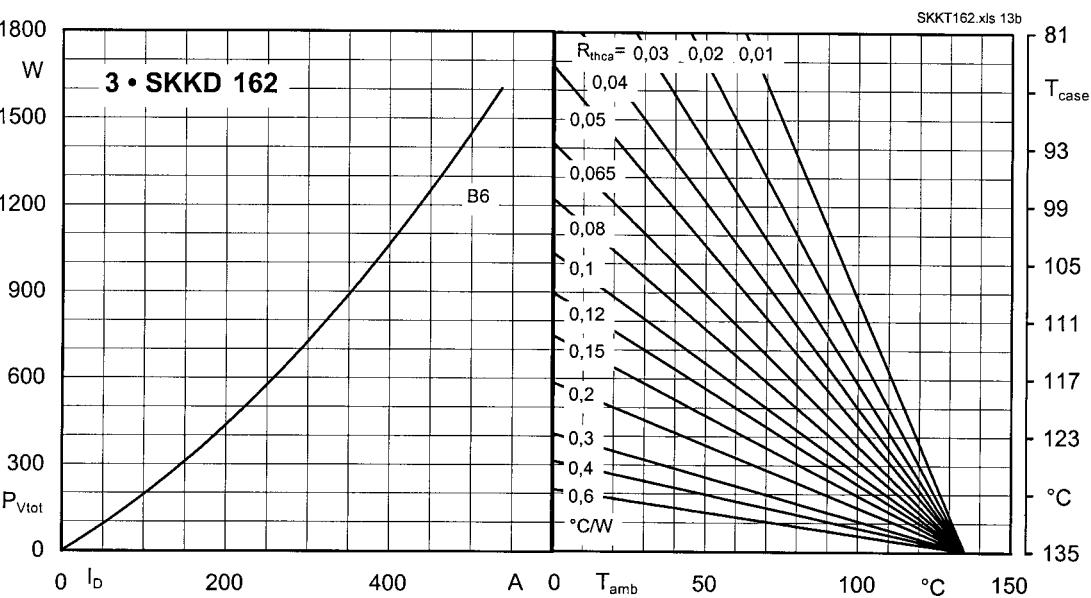


Fig. 13 b Power dissipation of three modules vs. direct current and case temperature

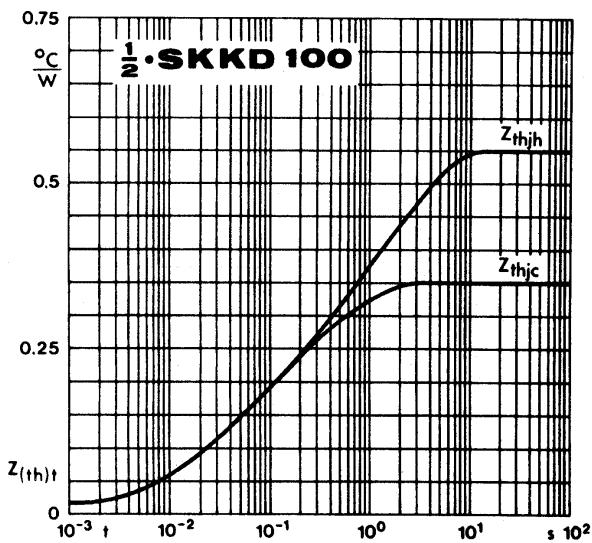


Fig. 14 a Transient thermal impedance vs. time

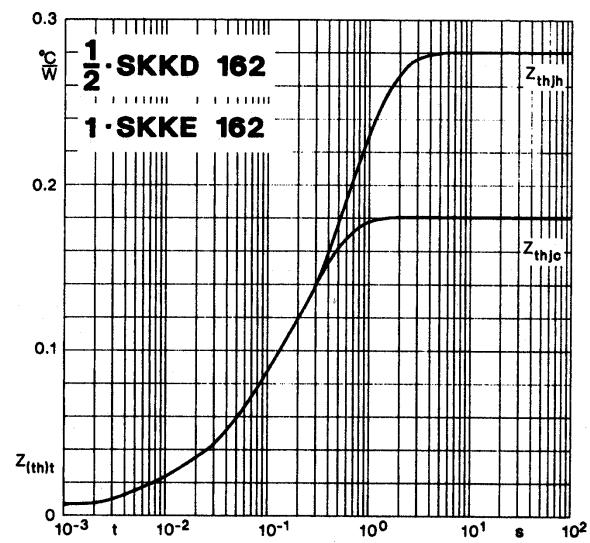


Fig. 14 b Transient thermal impedance vs. time

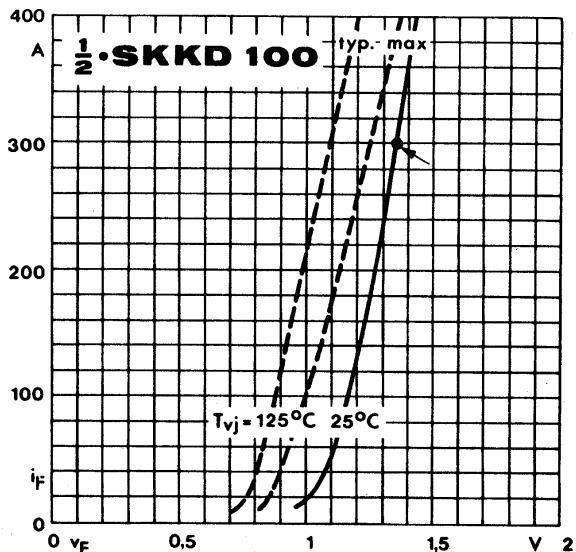


Fig. 15 a Forward characteristics

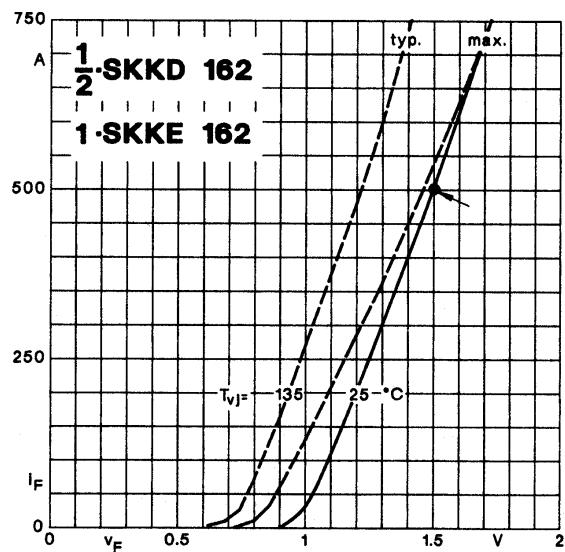


Fig. 15 b Forward characteristics

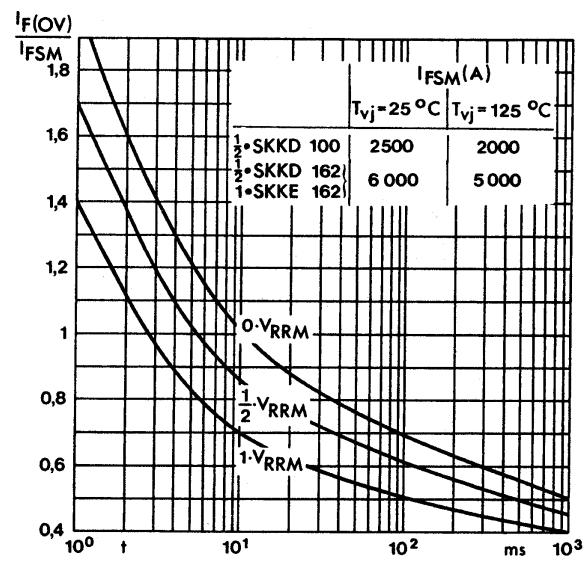


Fig. 16 Surge overload current vs. time

SKKT 19 . . . 105

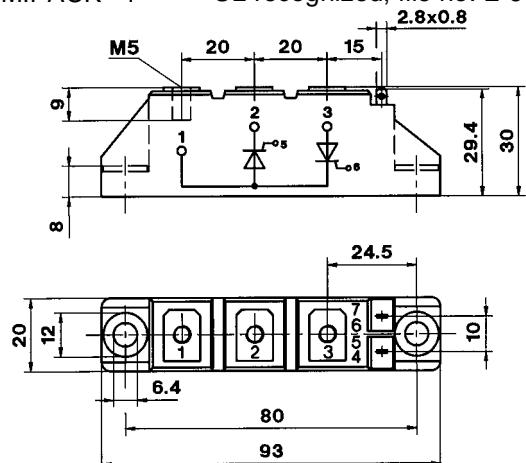
Case A 5

IEC 192-2: A 77 A

JEDEC: TO-240 AA

SEMIPACK® 1

UL recognized, file no. E 63 532

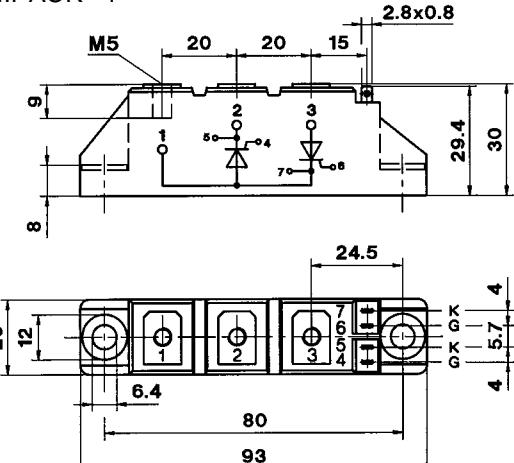

SKKT 20/ . . . 106/

Case A 46

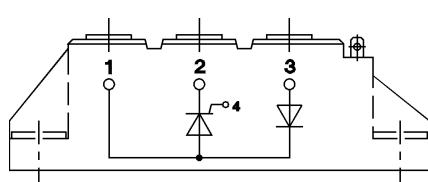
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JEDEC: TO-240 AA

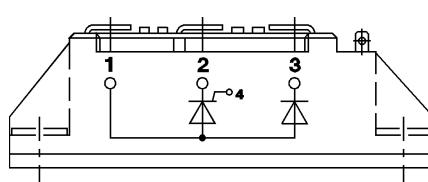
SEMIPACK® 1


SKKH 26 . . . 105

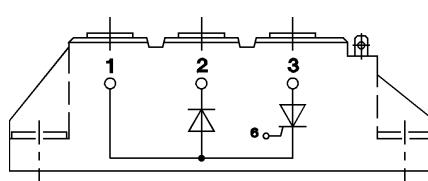
Case A 6


SKNH 56 . . . 91

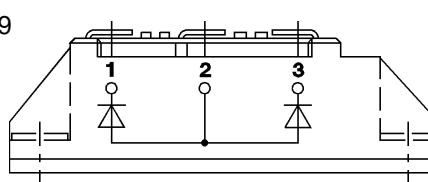
Case A 7


SKKL 56 . . . 105

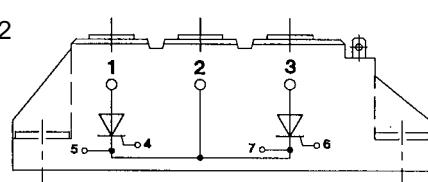
Case A 9


SKND 46 . . . 81

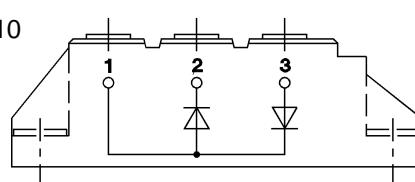
Case A 19


SKMT 92

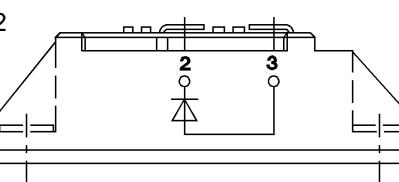
Case A 72


SKKD 26 . . . 100

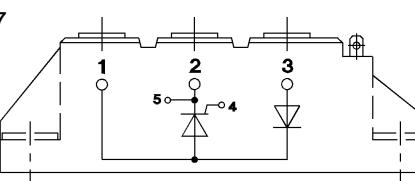
Case A 10


SKKE 81

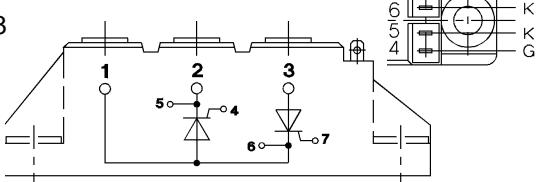
Case A 12


SKKH 27 . . . 106

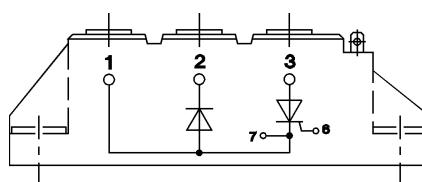
Case A 47


SKKT 20 B . . . 106 B

Case A 48


SKKL 42 . . . 106

Case A 59

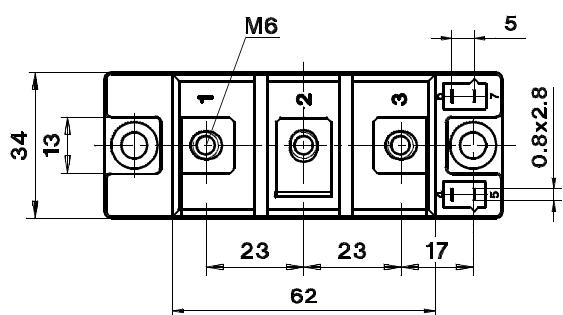
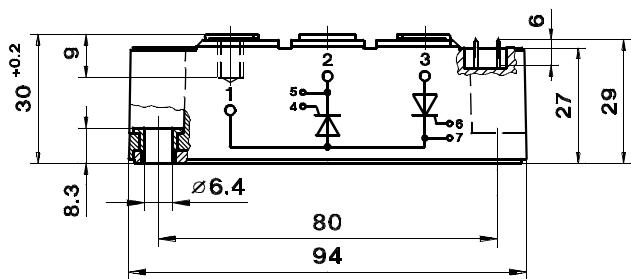


SKKT 122, 132, 162

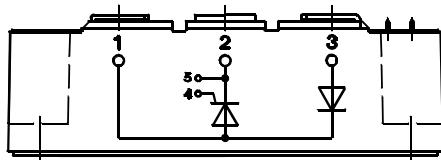
Case A 21

SEMIPACK® 2

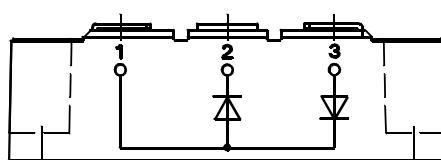
UL recognized, file no. E 63 532

**SKKH 122, 132, 162**

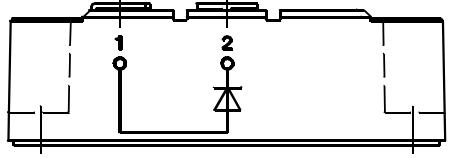
Case A 22

**SKKD 162**

Case A 23

**SKKE 162**

Case A 24



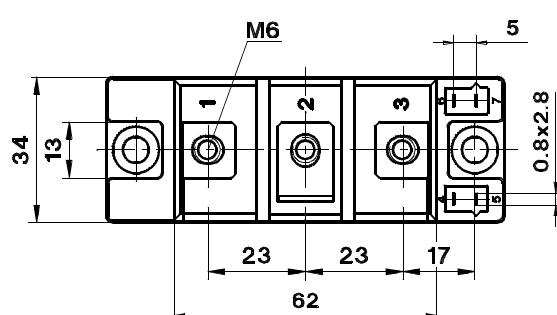
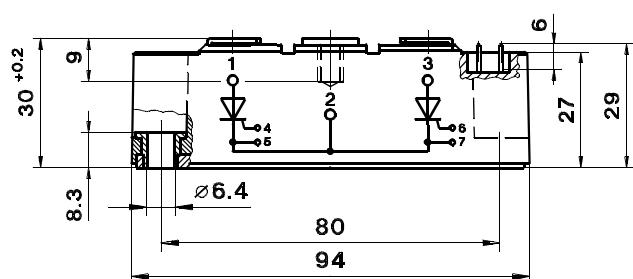
Dimensions in mm

SKMT 132

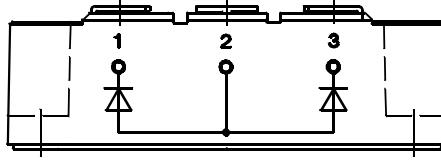
Case A 50

SEMIPACK® 2

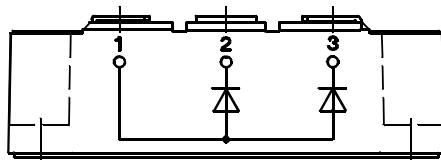
UL recognized, file no. E 63 532

**SKND 165**

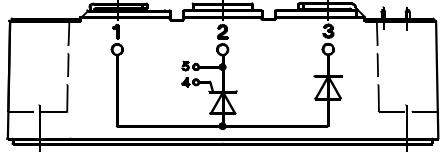
Case A 52

**SKND 162**

Case A 57

**SKNH 132**

Case A 61



Dimensions in mm

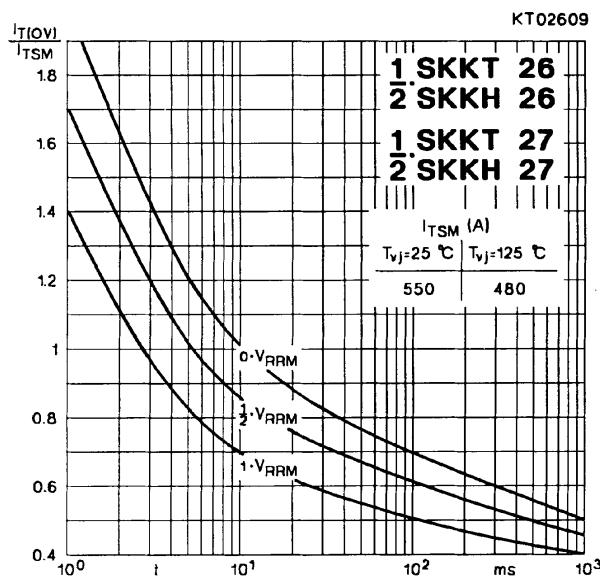


Fig. 9 Surge overload current vs. time

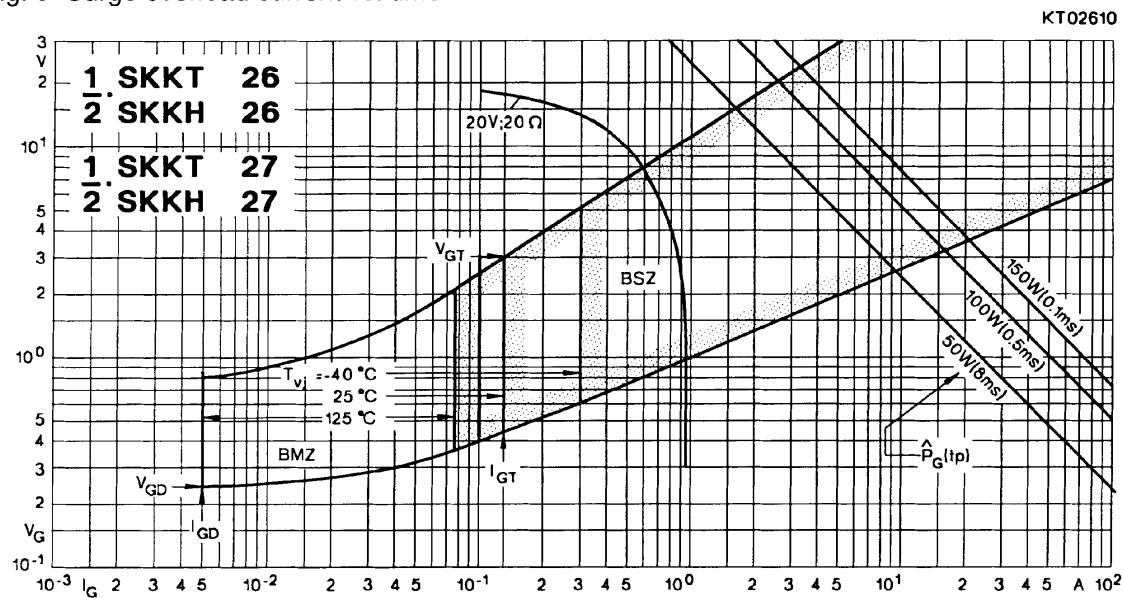


Fig. 10 Gate trigger characteristics

