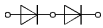
V_{RSM}	V_{RRM}	I_{FRMS} (maximum values for continuous operation) 315 A	410 A	315 A	410 A
		I_{FAV} (sin. 180; T_{case} = 80 °C)			
V	V	200 A	260 A	200 A	260 A
900	800	**SKKD 201/08**	**SKKD 260/08**	**SKKE 201/08**	–
1300	1200	**SKKD 201/12**	**SKKD 260/12**	**SKKE 201/12**	**SKKE 260/12**
1500	1400	**SKKD 201/14**	**SKKD 260/14**	**SKKE 201/14**	**SKKE 260/14**
1700	1600	**SKKD 201/16**	**SKKD 260/16**	**SKKE 201/16**	**SKKE 260/16**
2100	2000	**SKKD 201/20**	**SKKD 260/20**	**SKKE 201/20**	**SKKE 260/20**
2300	2200	**SKKD 201/22**	**SKKD 260/22**	**SKKE 201/22**	**SKKE 260/22**

Symbol	Conditions		SKKD 201 SKKE 201	SKKD 260 SKKE 260	Units
I_{FAV}	sin. 180; T_{case} = 85 °C		200	260	A
I_D [1]	B2/B6	T_{amb} = 35 °C;			
		P 3/180 F	250/295	280/320	A
		P 16/200 F	385/515	490/655	A
I_{FSM}	T_{vj} = 25 °C; 10 ms		6 000	11 000	A
	T_{vj} = 130 °C; 10 ms		5 000	10 000	A
i^2t	T_{vj} = 25 °C; 8,3 ... 10 ms		180 000	605 000	A^2s
	T_{vj} = 130 °C; 8,3 ... 10 ms		125 000	500 000	A^2s
I_{RD}	$T_{vj\,max.}$; V_{RD} = V_{RRM}		9	15	mA
V_F	T_{vj} = 25 °C (I_F = . . .); max.		1,35 (600 A)	1,25 (750 A)	V
$V_{(TO)}$	T_{vj} = 130 °C		0,80	0,90	V
r_T	Tvj = 130 °C		0,8	0,37	mΩ
R_{thjc}	per diode/per module [2]		0,19/0,10	0,14/0,07	°C/W
R_{thch}			0,06/0,03	0,04/0,02	°C/W
T_{vj}			– 40 ... +130		°C
T_{stg}			– 40 ... +130		°C
V_{isol}	a. c. 50 Hz; r.m.s.; 1 s/1 min		3600/3000		V~
M_1	to heatsink	SI units	5 ± 15 % [3]		Nm
		US units	44 ± 15 % [3]		lb.in.
M_2	to terminals	SI units	9 ± 15 % [4]		Nm
		US units	80 ± 15 % [4]		lb.in.
a			5 · 9,81		m/s^2
w	approx.		800	940	g
Case	→ page B 1 – 76	SKKD 201 SKKE 201	A 16 A 17		
	→ page B 1 – 82	SKKD 260 SKKE 260 SKMD 260		A 27 A 28 A 58	

1) SKMD 260 available on request
2) SKKD types only
3) See the assembly instructions
4) The screws must be lubricated

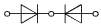
SEMIPACK® 3
Rectifier Diode Modules

SKKD 201 **SKKE 201**
SKKD 260 **SKKE 260**
SKMD 260[1]



SKKD

SKKE



SKMD

Features

- Heat transfer through aluminium nitride ceramic isolated metal baseplate
- Precious metal pressure contacts
- **SKKD** half bridge connection
  SKMD center-tap connection common cathode
- 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

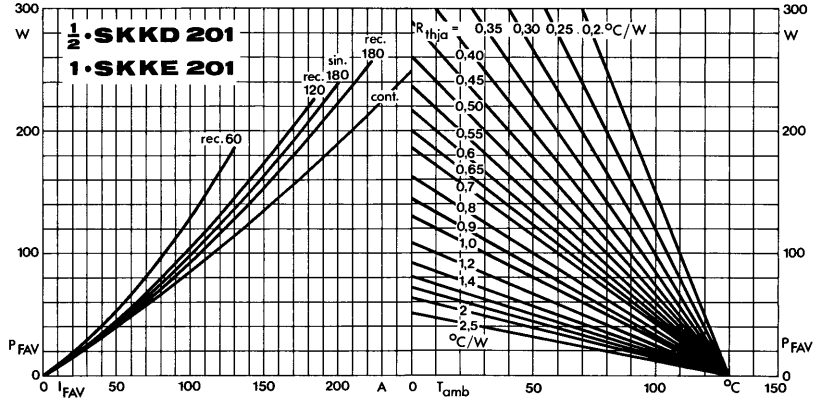


Fig. 11 a Power dissipation per diode vs. forward current and ambient temperature

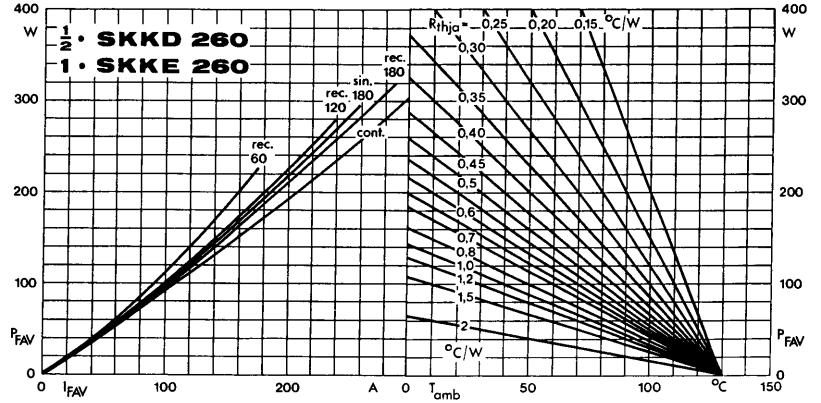


Fig. 11 b Power dissipation per diode vs. forward current and ambient temperature

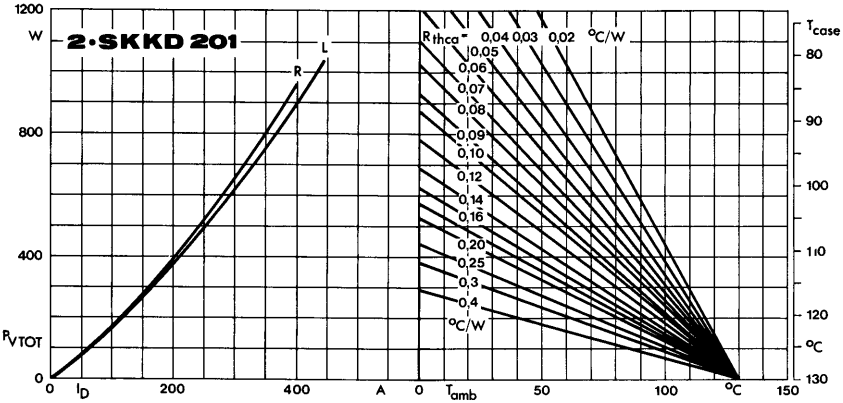


Fig. 12 a Power dissipation of two modules vs. direct current and case temperature

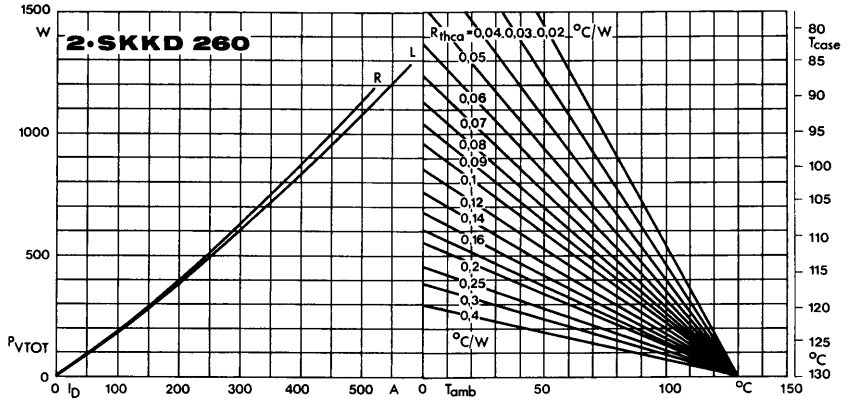


Fig. 12 b Power dissipation of two modules vs. direct current and case temperature

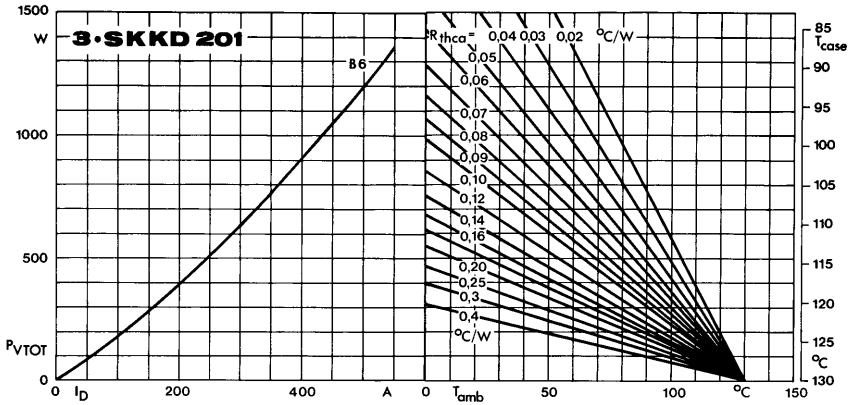


Fig. 13 a Power dissipation of three modules vs. direct current and case temperature

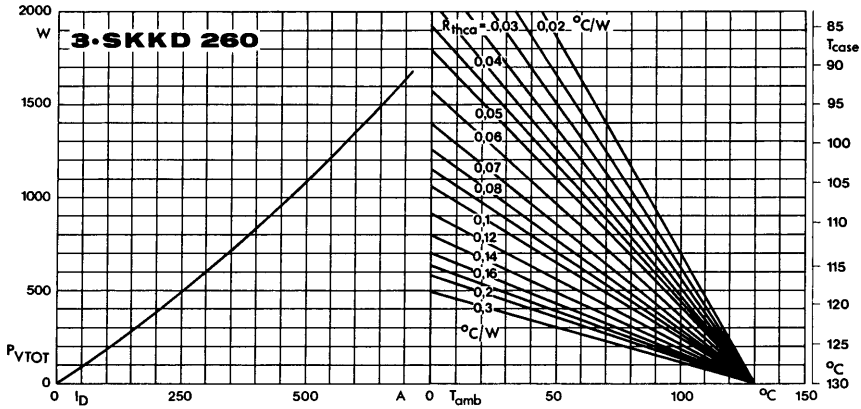


Fig. 13 b Power dissipation of three modules vs. direct current and case temperature

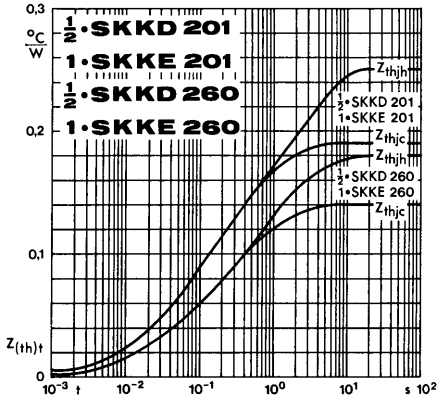


Fig. 14 Transient thermal impedance vs. time

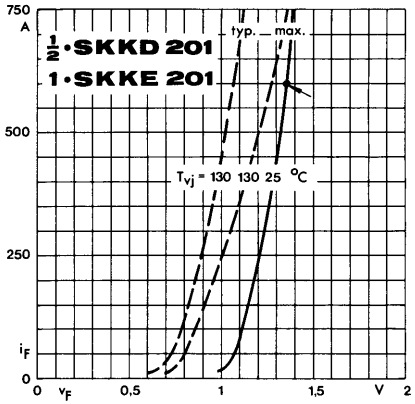


Fig. 15 a Forward characteristics

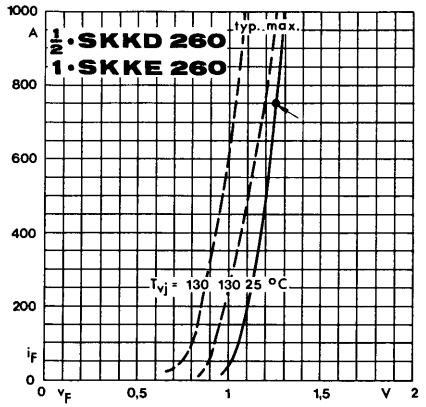


Fig. 15 b Forward characteristics

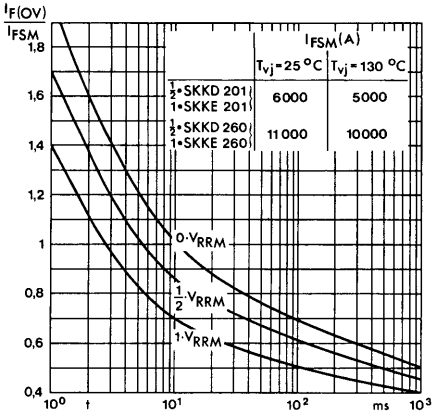


Fig. 16 Surge overload current vs. time