

SKKD 15, SKKE 15



SEMIPACK® 0

Rectifier Diode Modules

SKKD 15

SKKE 15

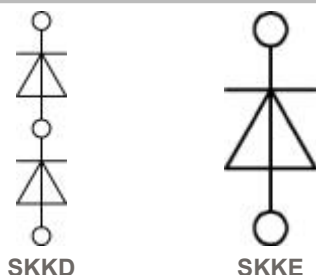
Features

- Heat transfer through aluminium oxide ceramic isolated metal baseplate
- Hard soldered joints for high reliability
- 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

1) SKKD types only



V_{RSM} V	V_{RRM} V	$I_{FRMS} = 24$ A (maximum value for $T_c = 85$ °C) $I_{FAV} = 15$ A (sin. 180; T _c = 100) °C	
700	600	SKKD 15/06	SKKE 15/06
900	800	SKKD 15/08	SKKE 15/08
1300	1200	SKKD 15/12	SKKE 15/12
1500	1400	SKKD 15/14	SKKE 15/14
1700	1600	SKKD 15/16	SKKE 15/16

Symbol	Conditions	
I_{FAV}	sin. 180; T _c = 85 (100) °C	
I_D	P13A/125; T _a = 45 °C; B2 / B6	
I_{FSM}	T _{vj} = 25 °C; 10 ms T _{vj} = 125 °C; 10 ms	
i^2t	T _{vj} = 25 °C; 8,3 ... 10 ms T _{vj} = 125 °C; 8,3 ... 10 ms	
V_F $V_{(TO)}$ r_T	T _{vj} = 25 °C; I _F = 75 A T _{vj} = 125 °C T _{vj} = 125 °C	
I_{RD}	T _{vj} = 125 °C; V _{RD} = V _{RRM}	
$R_{th(j-c)}$ $R_{th(c-s)}$ T _{vj} T _{stg}	per diode / per module ¹⁾ per diode / per module ¹⁾	
V_{isol} M _s a m	a. c. 50 Hz; r.m.s.; 1 s / 1 min. to heatsink approx.	
Case	SKKD SKKE	

Diagrams

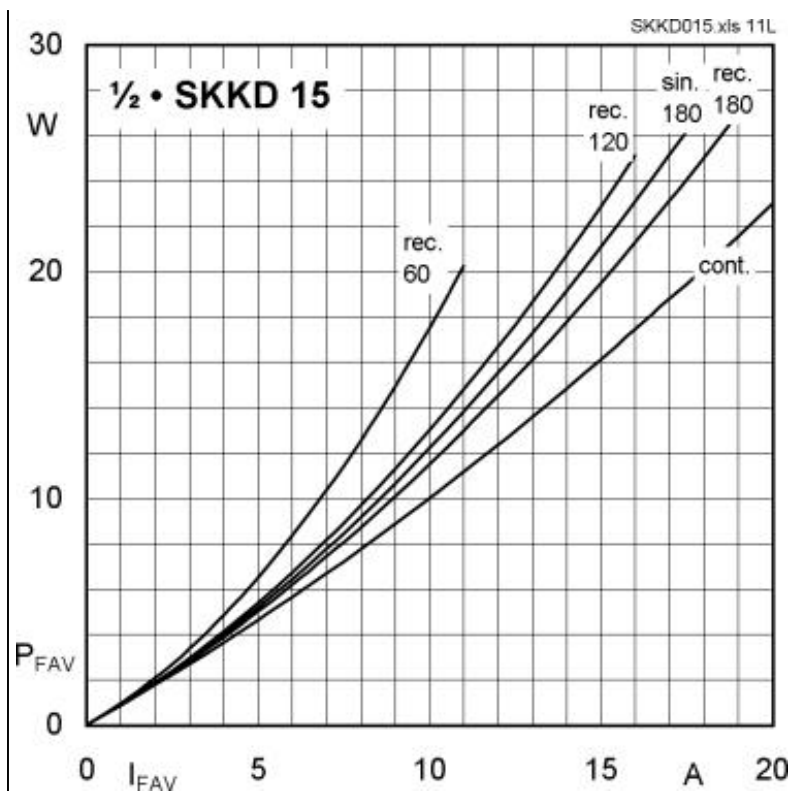


Fig. 11L Power dissipation per diode vs. forward current

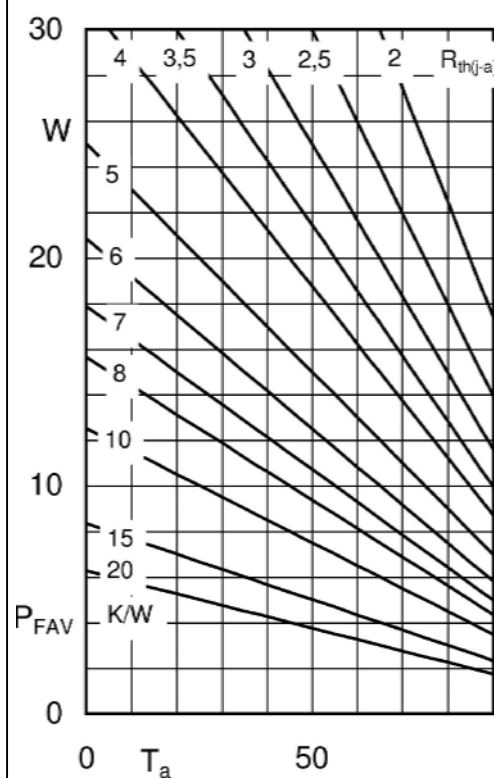


Fig. 11R Power dissipation per diode vs. ambient temperature

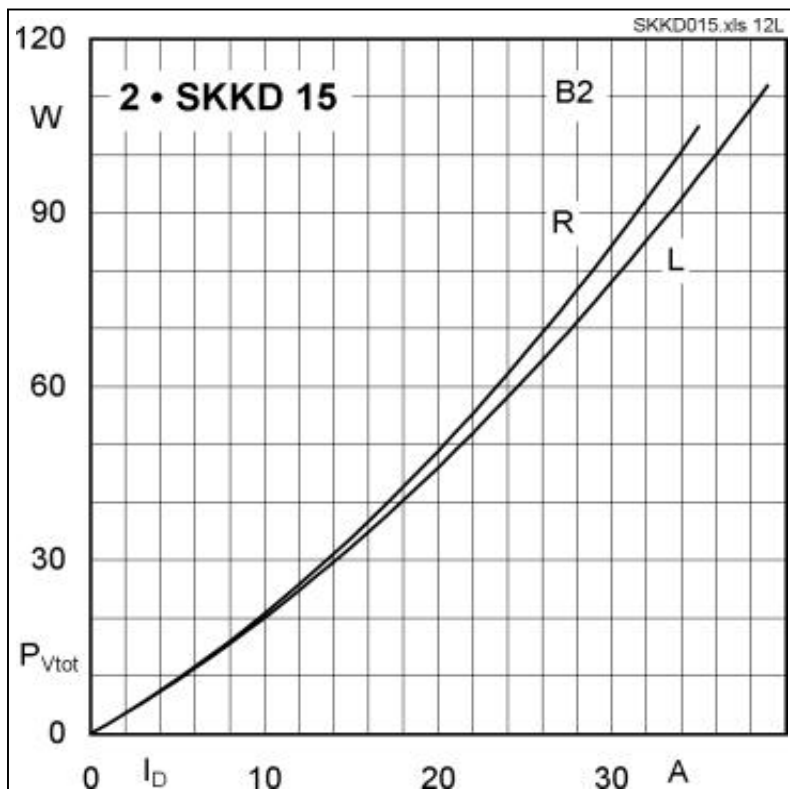


Fig. 12L Power dissipation of two modules vs. direct current

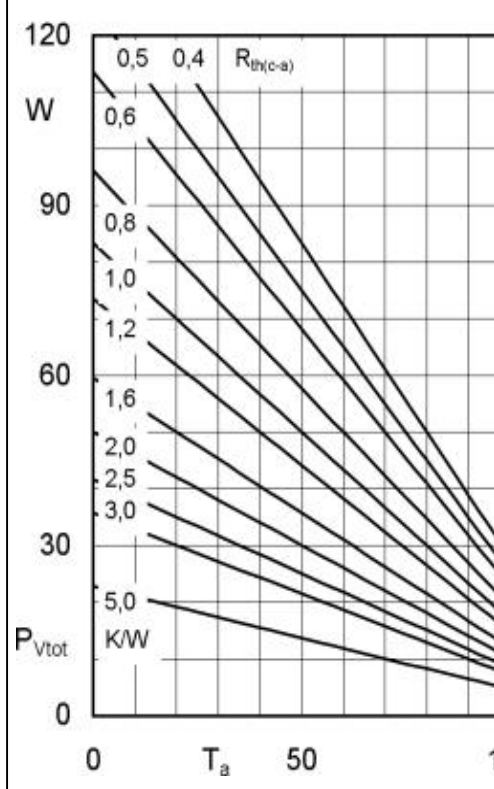
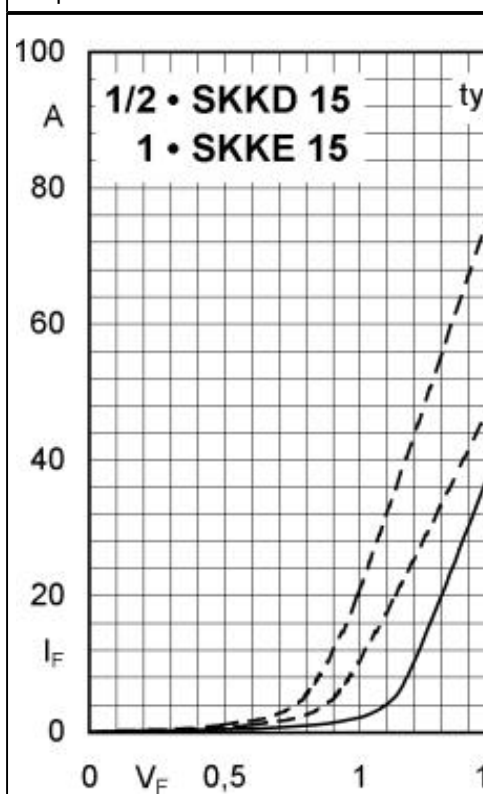
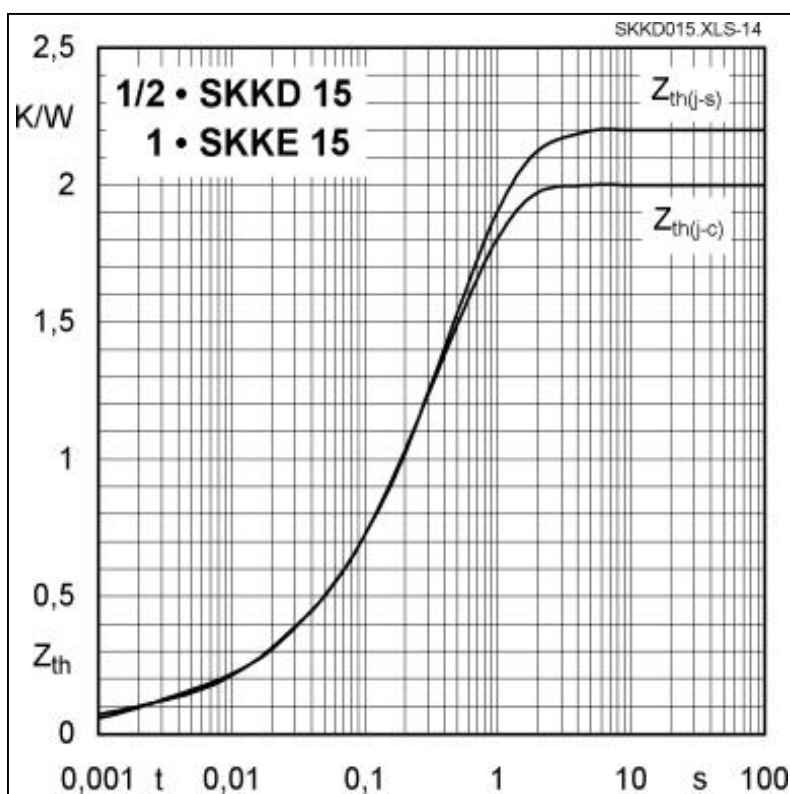
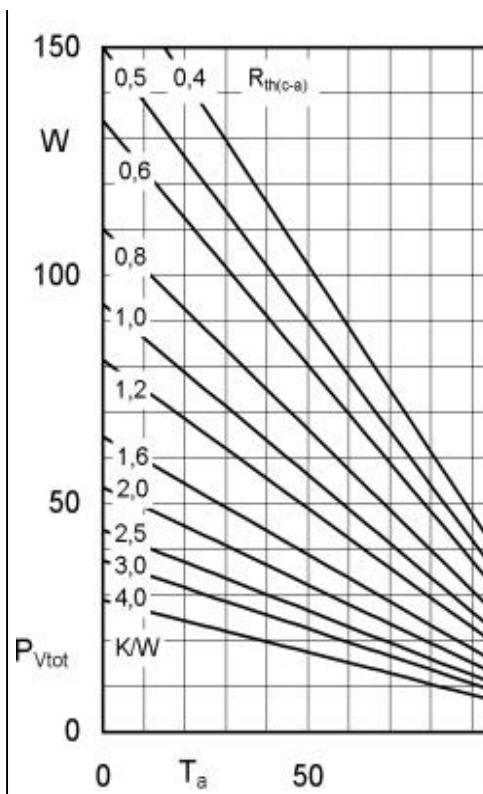
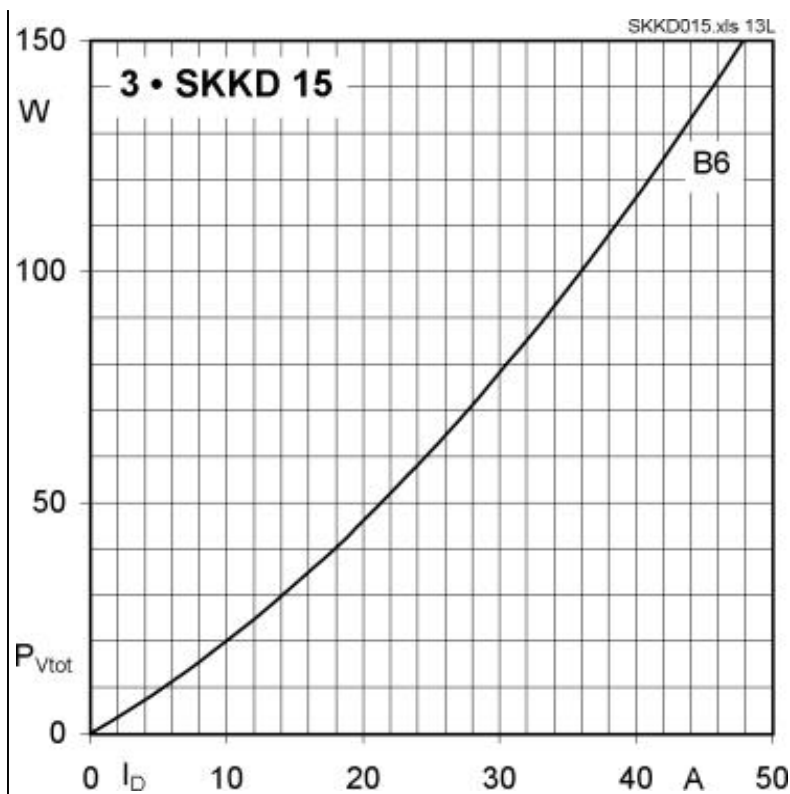
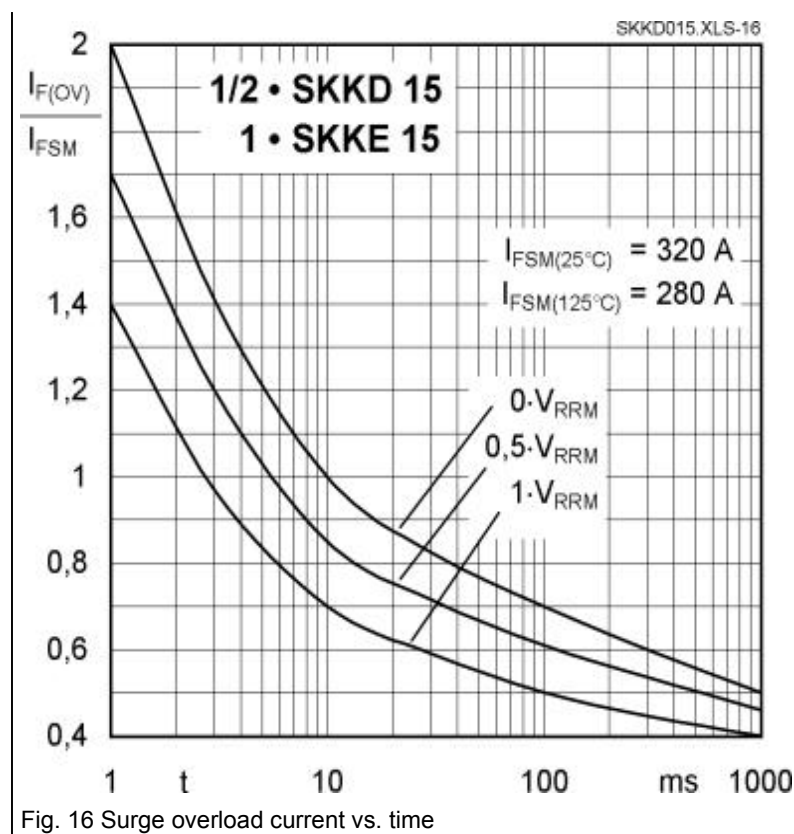


Fig. 12R Power dissipation of two modules vs. ambient temperature





Cases / Circuits

