SKKD 15, SKKE 15



SEMIPACK[®] 0

Rectifier Diode Modules

SKKD	15
SKKE	15

Features

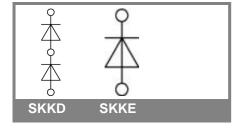
- Heat transfer through aluminium oxide ceramic isolated metal baseplate
- Hard soldered joints for high reliability
- UL recognized, file no. E 63 532

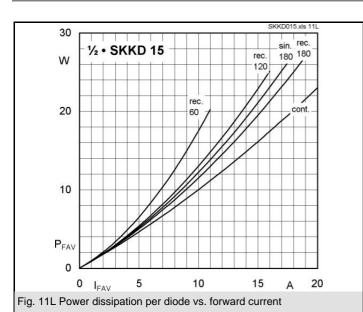
Typical Applications

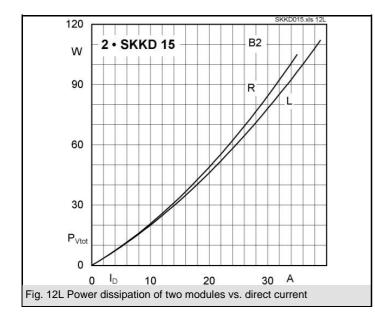
- Non-controllable rectifiers for AC/AC converters
- Line rectifiers for transistorized AC motor controllers
- Field supply for DC motors
- SKKE: Free-wheeling diodes
- 1) SKKD types only

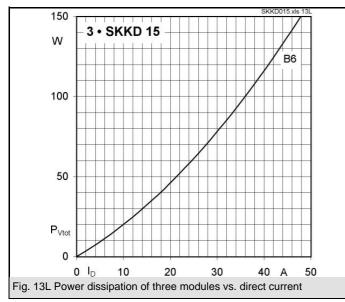
V _{RSM}	V _{RRM}	I _{FRMS} = 24 A (maximum value for continuous operation)		
V	V	I _{FAV} = 15 A (sin. 180; T _c = 82 °C)		
700	600	SKKD 15/06	SKKE 15/06	
900	800	SKKD 15/08	SKKE 15/08	
1300	1200	SKKD 15/12	SKKE 15/12	
1500	1400	SKKD 15/14	SKKE 15/14	
1700	1600	SKKD 15/16	SKKE 15/16	

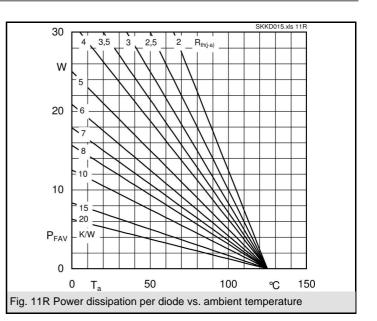
Symbol	Conditions	Values	Units
I _{FAV}	sin. 180; T _c = 85 (100) °C	14 (10)	А
I _D	P13A/125; T _a = 45 °C; B2 / B6	18 / 22,5	А
I _{FSM}	T _{vi} = 25 °C; 10 ms	320	Α
	T _{vi} = 125 °C; 10 ms	280	А
i²t	T _{vi} = 25 °C; 8,3 10 ms	510	A²s
	T _{vj} = 125 °C; 8,3 10 ms	390	A²s
V _F	T _{vi} = 25 °C; I _F = 75 A	max. 1,85	V
V _(TO)	T _{vi} = 125 °C	max. 0,85	V
r _T	T _{vj} = 125 °C	max. 15	mΩ
I _{RD}	T _{vj} = 125 °C; V _{RD} = V _{RRM}	max. 2,5	mA
R _{th(j-c)}	per diode / per module 1)	2 / 1	K/W
R _{th(c-s)}	per diode / per module ¹⁾	0,2 / 0,1	K/W
T _{vj}		- 40 + 125	°C
T _{stg}		- 40 + 125	°C
V _{isol}	a. c. 50 Hz; r.m.s.; 1 s / 1 min.	3600 / 3000	٧~
M _s	to heatsink	1,5 ± 15 %	Nm
a		5 * 9,81	m/s²
m	approx.	50	g
Case	SKKD	A 3	
	SKKE	A 4	

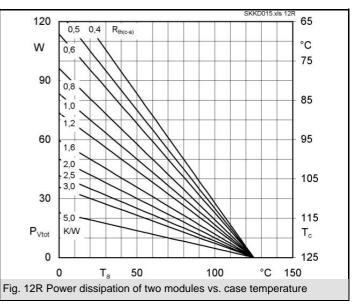


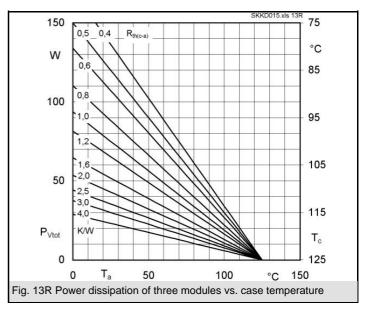




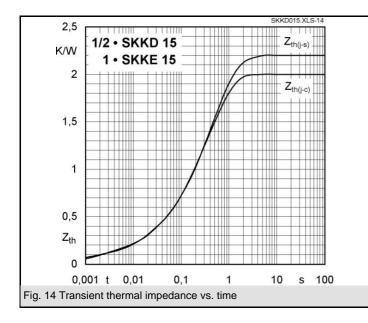


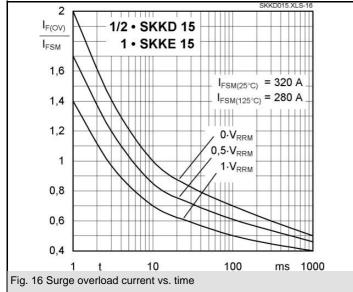


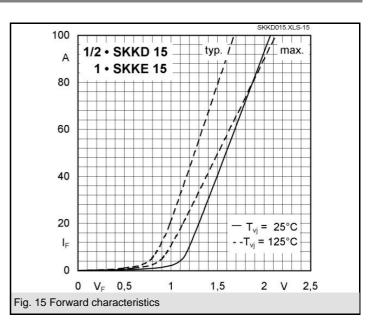


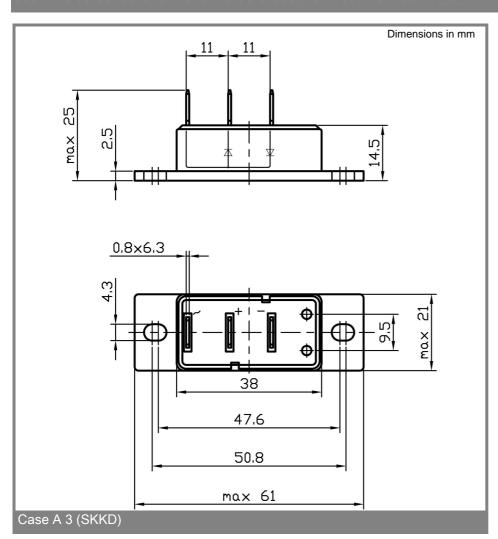


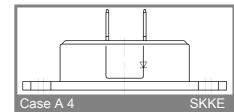
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