SKKD 260



SEMIPACK[®] 3

Rectifier Diode Modules

SKKD 260

Features

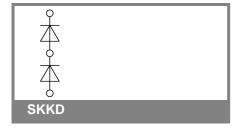
- Heat transfer through aluminium nitride ceramic isolated metal baseplate
- Precious metal pressure contacts
- UL recognized, file no. E 63 532

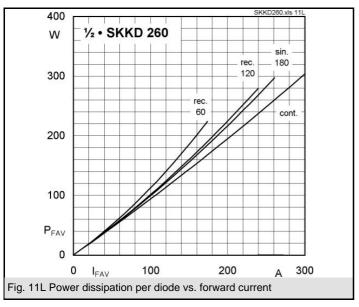
Typical Applications

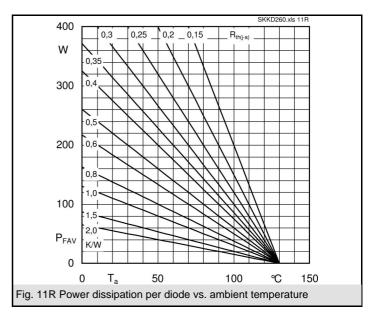
- Non-controllable rectifiers for AC/AC converters
- Line rectifiers for transistorized AC motor controllers
- Field supply for DC motors
- 1) The screws must be lubricated

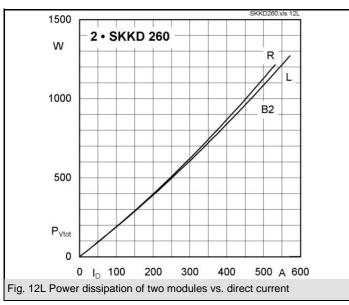
V _{RSM}	V_{RRM}	I _{FRMS} = 410 A (maximum value for continuous operation)	
V	V	$I_{FAV} = 260 \text{ A (sin. } 180; T_c = 85 ^{\circ}\text{C})$	
900	800	SKKD 260/08	
1300	1200	SKKD 260/12	
1500	1400	SKKD 260/14	
1700	1600	SKKD 260/16	
2100	2000	SKKD 260/20H4	
2300	2200	SKKD 260/22H4	

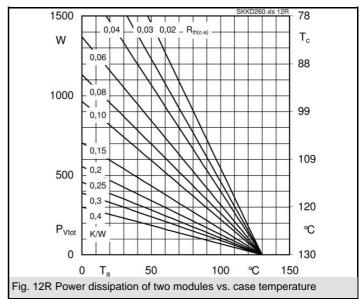
Symbol	Conditions	Values	Units
I _{FAV}	sin. 180; T _c = 85 (100) °C	260 (185)	Α
I _D	P3/180F; T _a = 35 °C; B2 / B6	280 / 320	Α
	P3/180F; T _a = 35 °C; B2 / B6	490 / 655	Α
I _{FSM}	T _{vj} = 25 °C; 10 ms	11000	Α
	T _{vi} = 130 °C; 10 ms	10000	Α
i²t	T _{vj} = 25 °C; 8,3 10 ms	605000	A²s
	T _{vj} = 130 °C; 8,3 10 ms	500000	A²s
V _F	T _{vi} = 25 °C; I _F = 750 A	max. 1,25	V
$V_{(TO)}$	T _{vi} = 130 °C	max. 0,9	V
r _T	T _{vj} = 130 °C	max. 0,37	mΩ
I _{RD}	$T_{vj} = 130 ^{\circ}\text{C}; V_{RD} = V_{RRM}$	max. 15	mA
R _{th(j-c)}	cont.; per diode / per module	0,14 / 0,07	K/W
	sin. 180; per diode / per module	0,15 / 0,075	K/W
$R_{th(c-s)}$	per diode / per module	0,04 / 0,02	K/W
T _{vi} `´		- 40 + 130	°C
T _{stg}		- 40 + 130	°C
V_{isol}	a. c. 50 Hz; r.m.s.; 1 s / 1 min.	3600 / 3000	V~
V _{isol}	a. c. 50 Hz; r.m.s.; 1 s / 1 min. for SKKH4	4800 / 4000	V~
M _s	to heatsink	5 ± 15 %	Nm
M _t	to terminals	9 ± 15 % ¹⁾	Nm
а		5 * 9,81	m/s²
m	approx.	600	g
Case		A 78b	

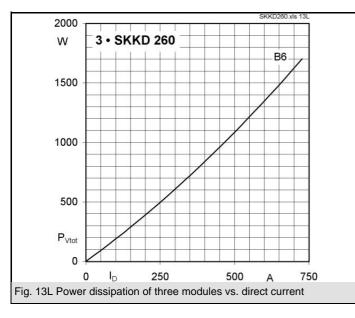


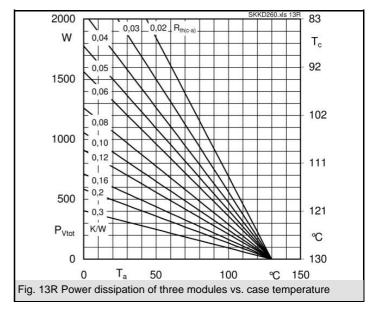




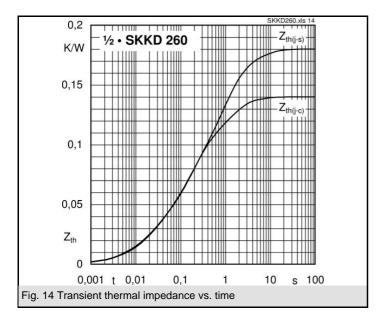


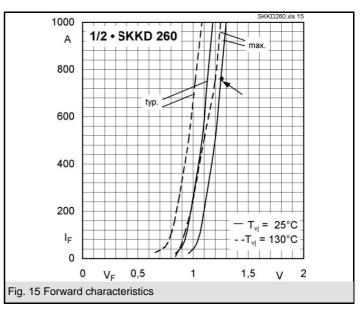


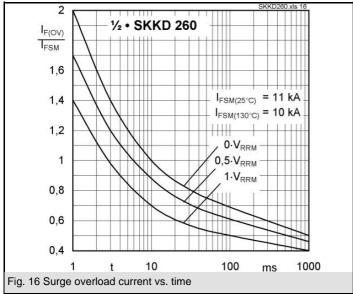


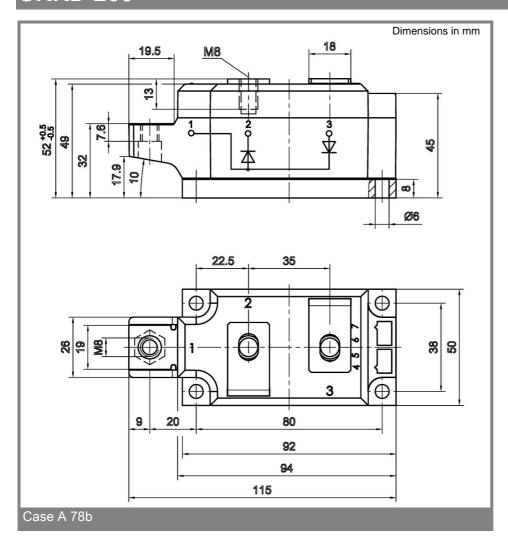


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