SKKD 380



SEMIPACK® 3

Rectifier Diode Modules

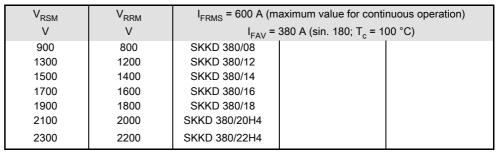
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Features

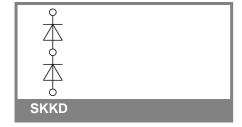
- Heat transfer through aluminium nitride ceramic isolated metal baseplate
- Precisious metal pressure contacts for high reliability
- UL recognized, file no. E 63 532

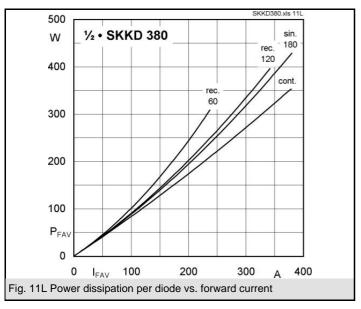
Typical Applications

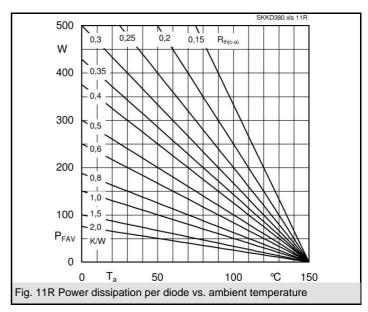
- Uncontrolled rectifiers for AC/AC converters
- Line rectifiers for transistorized AC motor controllers
- Field supply for DC motors
- 1) The screws must be lubricated

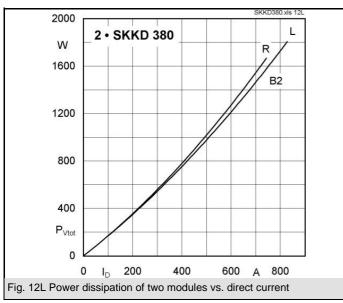


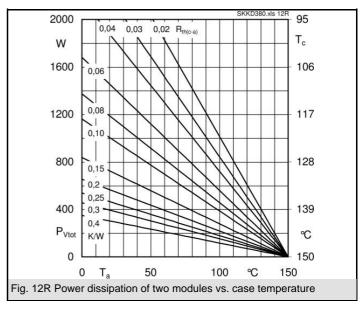
Symbol	Conditions	Values	Units
I _{FAV}	sin. 180; T _c = 100 °C	380	Α
I _{FSM}	T _{vi} = 25 °C; 10 ms	11000	Α
	T _{vi} = 150 °C; 10 ms	10000	Α
i²t	T _{vj} = 25 °C; 8,3 10 ms	605000	A²s
	T _{vj} = 150 °C; 8,3 10 ms	500000	A²s
V _F	T _{vi} = 25 °C; I _F = 1000 A	max. 1,25	V
V _(TO)	T _{vi} = 150 °C	0,8	V
r _T	T _{vj} = 150 °C	0,35	mΩ
I _{RD}	$T_{vj} = 150 ^{\circ}\text{C}; V_{RD} = V_{RRM}$	max. 15	mA
R _{th(j-c)}	cont. per diode / per module	0,11 / 0,055	K/W
	sin. 180 per diode / per module	0,116 / 0,058	K/W
$R_{th(c-s)}$	per diode / per module	0,04 / 0,02	K/W
T _{vi}		- 40 + 150	°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
a		5 * 9,81	m/s²
m	approx.	750	g
Case		A 78a	

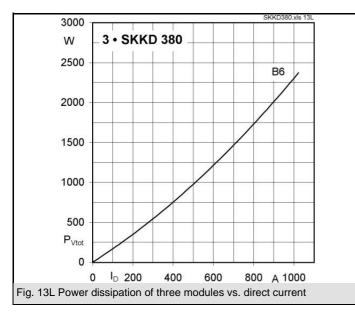


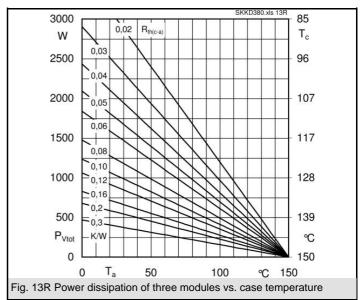




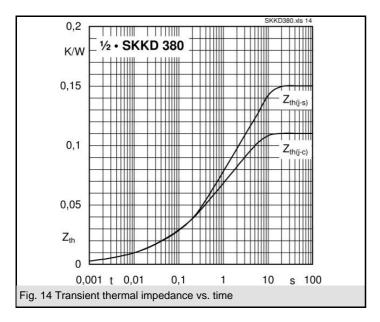


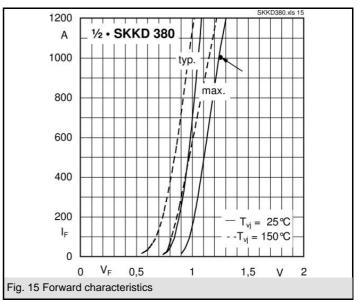


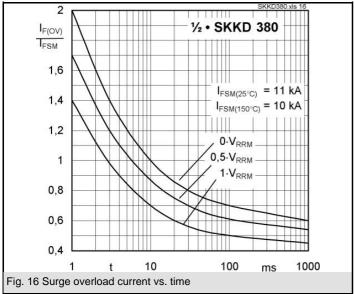


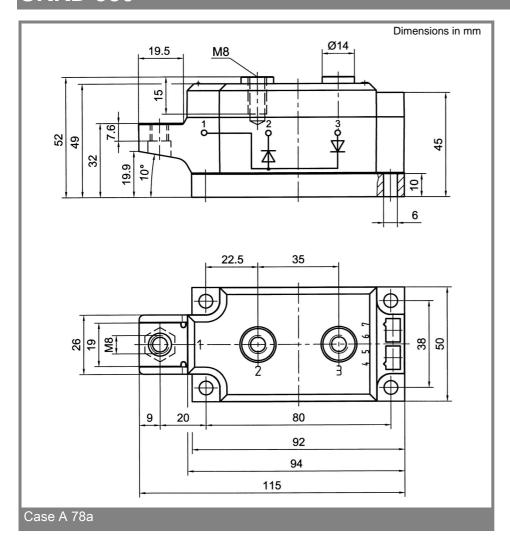


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