SKKD 380



V_{RSM}

V

900

1300

1500

V_{RRM}

V

800

1200

1400

SEMIPACK[®] 3

Rectifier Diode Modules

SKKD 380

		1100			
1700		1600	SKKD 380/16		
1900		1800	SKKD 380/18		
2100		2000	SKKD 380/20H4		
2300		2200	SKKD 380/22H4		
Cumbal			· ·	Values	11
Symbol		onditions		Values	Unit
I _{FAV}				380	A
I _{FSM}	T _{vi} = 25 °C; 10 ms			11000	A
	T _{vj} = 150 °C; 10 ms			10000	A
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
$T_{vj} = 150 ^{\circ}C$			max. 0,8	V	
r _T	T _{vi} = 150 °C			max. 0,35	mΩ
I _{RD}	T _{vj} = 150 °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)}	c-s) per diode / per module			0,04 / 0,02	K/W
T _{vj}				- 40 + 150	°C
T _{stg}				- 40 + 130	°C
V _{isol}	a. c	. 50 Hz; r.m.s.; 1	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
Mt	to terminals			9 ± 15 % ¹⁾	Nm
а				5 * 9,81	m/s²
m	app	prox.		600	g
Case				A 78b	

SKKD 380/08

SKKD 380/12

SKKD 380/14

I_{FRMS} = 600 A (maximum value for continuous operation)

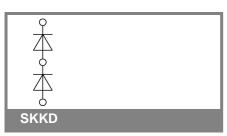
 I_{FAV} = 380 A (sin. 180; T_{c} = 100 °C)

Features

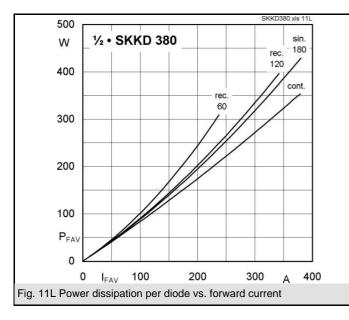
- Heat transfer through aluminium nitride ceramic isolated metal baseplate
- Precisious metal pressure contacts for high reliability
- UL recognized, file no. E 63 532

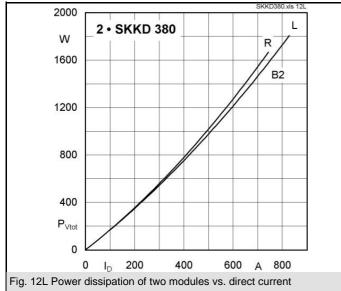
Typical Applications

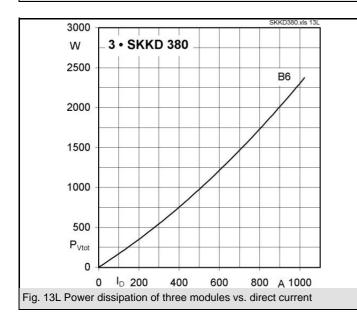
- Uncontrolled rectifiers for AC/AC converters
- Line rectifiers for transistorized
 AC motor controllers
- Field supply for DC motors
- 1) The screws must be lubricated

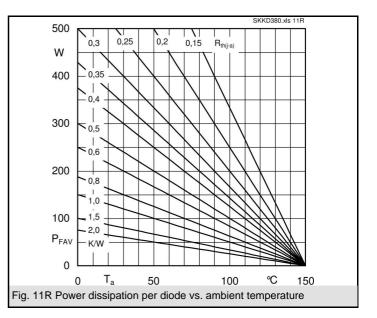


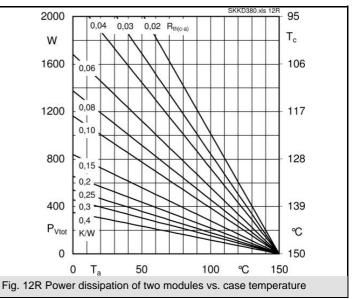
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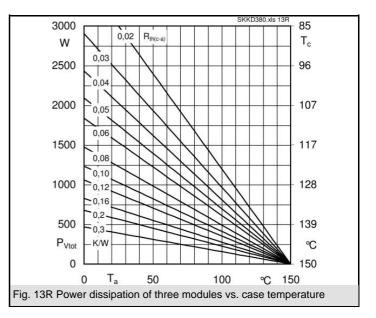




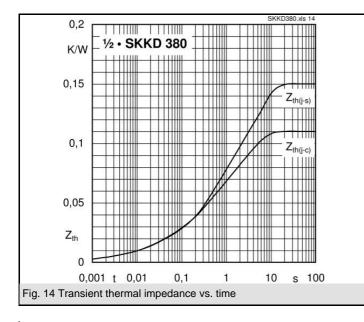


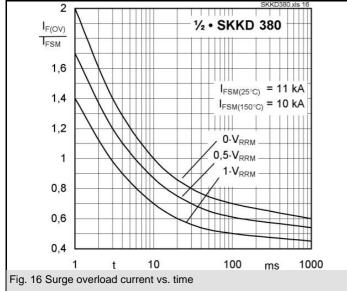


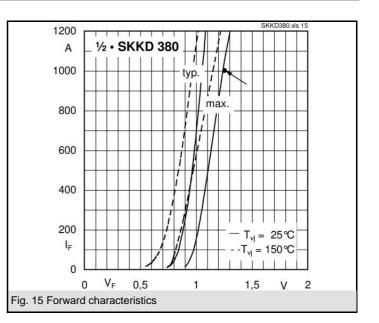


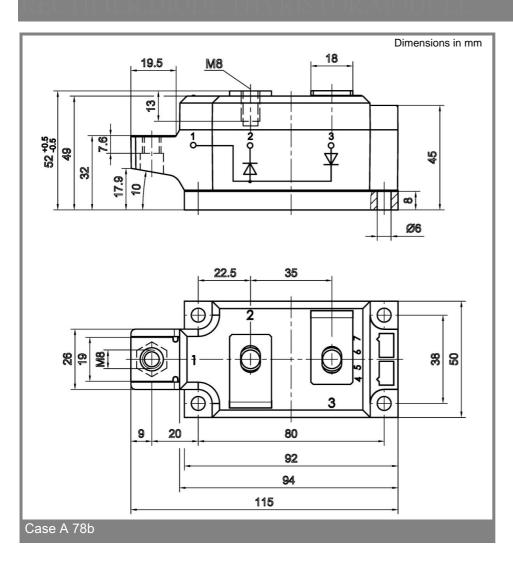


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