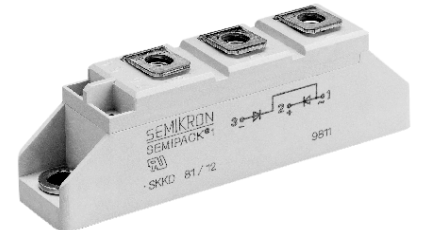


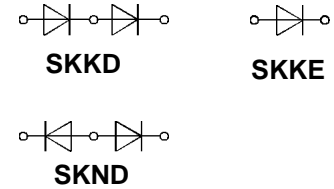
V <sub>RSM</sub>	V <sub>RRM</sub>	I <sub>FRMS</sub> (maximum value for continuous operation)		
		90 A	140 A	140 A
		I <sub>FAV</sub> (sin. 180; T <sub>case</sub> = . . .)		
V	V	57 A (71 °C)	90 A (80 °C)	90 A (80 °C)
500	400	<b>SKKD 46/04</b>	<b>SKKD 81/04</b>	<b>SKKE 81/04</b>
700	600	<b>SKKD 46/06</b>	<b>SKKD 81/06</b>	<b>SKKE 81/06</b>
900	800	<b>SKKD 46/08</b>	<b>SKKD 81/08</b>	<b>SKKE 81/08</b>
1300	1200	<b>SKKD 46/12</b>	<b>SKKD 81/12</b>	<b>SKKE 81/12</b>
1500	1400	<b>SKKD 46/14</b>	<b>SKKD 81/14</b>	<b>SKKE 81/14</b>
1700	1600	<b>SKKD 46/16</b>	<b>SKKD 81/16</b>	<b>SKKE 81/16</b>
1900	1800	<b>SKKD 46/18</b>	<b>SKKD 81/18</b>	<b>SKKE 81/18</b>
2100	2000	–	<b>SKKD 81/20</b>	<b>SKKE 81/20</b>
2300	2200	–	<b>SKKD 81/22</b>	<b>SKKE 81/22</b>

## SEMIPACK® 1 Rectifier Diode Modules

**SKKD 46**      **SKKD 81**  
**SKND 46**<sup>1)</sup>   **SKKE 81**  
                         **SKND 81**<sup>1)</sup>



Symbol	Conditions	SKKD 46	SKKD 81 SKKE 81	Units
I <sub>FAV</sub> I <sub>D</sub> <sup>1)</sup>	sin. 180 (T <sub>case</sub> = . . .) B2/B6   T <sub>amb</sub> = 45 °C; P 3/120 P 3/180 T <sub>amb</sub> = 35 °C; P 3/180 F	45 (86 °C) 50 / 60 54 / 66 95 / 120	80 (87 °C) 63 / 70 70 / 85 135 / 175	A A A A
I <sub>FSM</sub>	T <sub>vj</sub> = 25 °C; 10 ms T <sub>vj</sub> = 125 °C; 10 ms	700 600	2 000 1 750	A A
i <sup>2</sup> t	T <sub>vj</sub> = 25 °C; 8,3 ... 10 ms T <sub>vj</sub> = 125 °C; 8,3 ... 10 ms	2 450 1 800	20 000 15 000	A <sup>2</sup> s A <sup>2</sup> s
I <sub>RD</sub>	T <sub>vj</sub> = 125 °C; V <sub>RD</sub> = V <sub>RRM</sub>	3	4,5	mA
V <sub>F</sub>	T <sub>vj</sub> = 25 °C; (I <sub>F</sub> = . . .); max.	1,95 (250 A)	1,55 (300 A)	V
V <sub>(TO)</sub>	T <sub>vj</sub> = 125 °C	0,85	0,85	V
r <sub>T</sub>	T <sub>vj</sub> = 125 °C	5	1,8	mΩ
R <sub>thjc</sub> R <sub>thch</sub>	} per diode / per module <sup>2)</sup>	0,6 / 0,3 0,2 / 0,1	0,4 / 0,2 0,2 / 0,1	°C/W °C/W
T <sub>vj</sub> T <sub>stg</sub>		– 40 ... + 125 – 40 ... + 125		°C °C
V <sub>isol</sub> M <sub>1</sub> M <sub>2</sub> a w	a. c. 50 Hz; r.m.s.; 1 s/1 min to heatsink } to terminals } SI (US) units approx.	3600 / 3000 5 (44 lb. in.) ± 15 % <sup>3)</sup> 3 (26 lb. in.) ± 15 % <sup>3)</sup> 5 · 9,81 120 <sup>4)</sup>		V~ Nm Nm m/s <sup>2</sup> g
Case	→ page B 1 – 95	SKKD: A 10 SKKE: A 12 SKND: A 19		



### Features

- Heat transfer through aluminium oxide ceramic isolated metal baseplate
- Hard soldered joints for high reliability
- **SKND** center tap connection common anode
- 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) SKND 46, SKND 81 available on request

2) SKKD types only

3) See the assembly instructions

4) SKKD 46, SKKD 81 95 g

## SKKT 19 ... 105

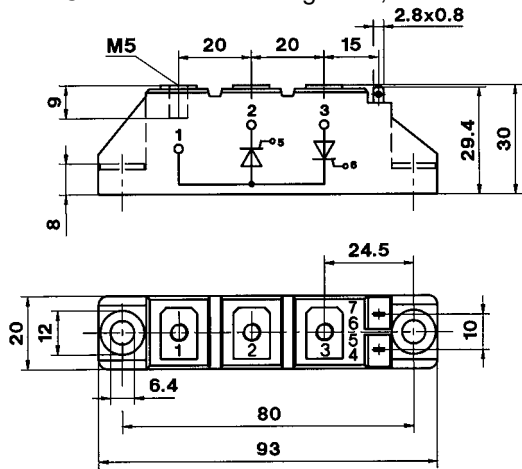
Case A 5

IEC 192-2: A 77 A

JEDEC: TO-240 AA

SEMIPACK® 1

UL recognized, file no. E 63 532



Dimensions in mm

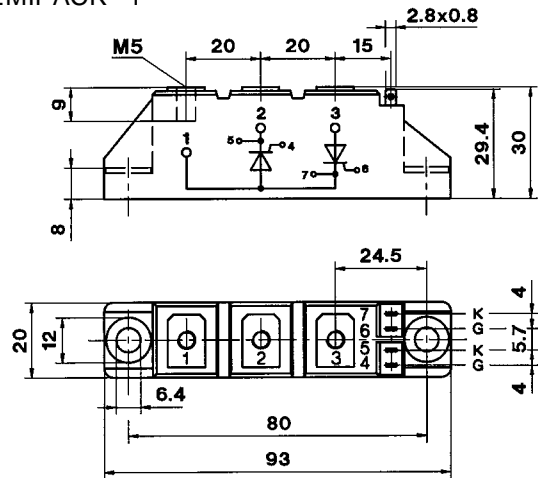
## SKKT 20/ ... 106/

Case A 46

IEC 192-2: A 77 A

JEDEC: TO-240 AA

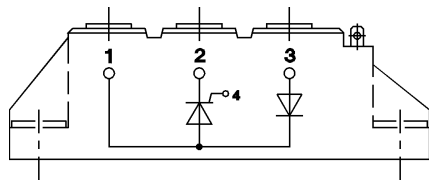
SEMIPACK® 1



Dimensions in mm

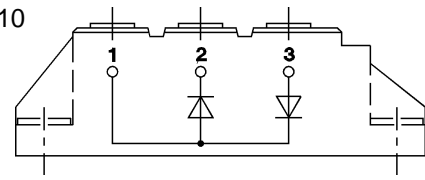
## SKKH 26 ... 105

Case A 6



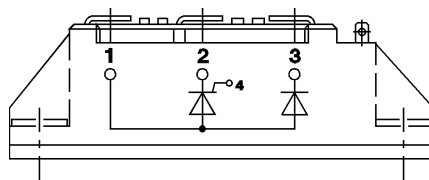
## SKKD 26 ... 100

Case A 10



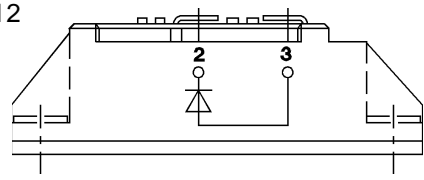
## SKNH 56 ... 91

Case A 7



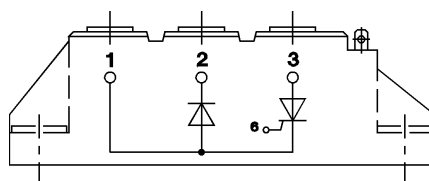
## SKKE 81

Case A 12



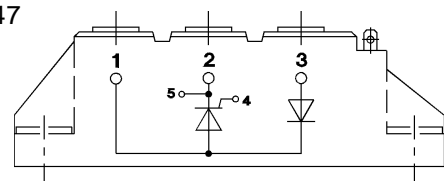
## SKKL 56 ... 105

Case A 9



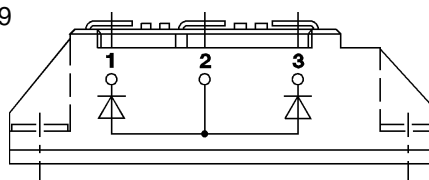
## SKKH 27 ... 106

Case A 47



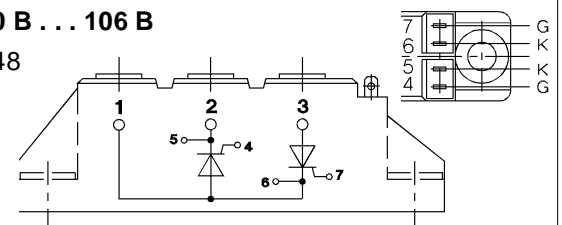
## SKND 46 ... 81

Case A 19



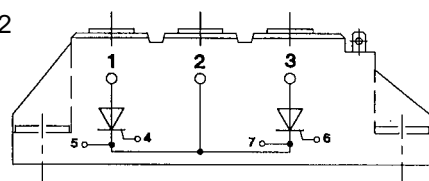
## SKKT 20 B ... 106 B

Case A 48



## SKMT 92

Case A 72



## SKKL 42 ... 106

Case A 59

