

SKKD 26



SEMIPACK® 1

Rectifier Diode Modules

SKKD 26

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

| V_{RSM} V | V_{RRM} V | $I_{FRMS} = 60$ A (maximum value for continuous operation) $I_{FAV} = 26$ A (sin. 180; $T_c = 93$ °C) | |
|----------------|----------------|--|--|
| 1300 | 1200 | SKKD 26/12 | |
| 1500 | 1400 | SKKD 26/14 | |
| 1700 | 1600 | SKKD 26/16 | |

| Symbol | Conditions | Values | Units |
|---------------|---------------------------------------|----------------|------------------|
| I_{FAV} | sin. 180; $T_c = 85$ (100) °C | 31 (21) | A |
| I_D | P3/120; $T_a = 45$ °C; B2 / B6 | 44 / 48 | A |
| | P3/180; $T_a = 45$ °C; B2 / B6 | 53 / 59 | A |
| I_{FSM} | $T_{vj} = 25$ °C; 10 ms | 550 | A |
| | $T_{vj} = 125$ °C; 10 ms | 480 | A |
| i^2t | $T_{vj} = 25$ °C; 8,3 ... 10 ms | 1500 | A ² s |
| | $T_{vj} = 125$ °C; 8,3 ... 10 ms | 1150 | A ² s |
| V_F | $T_{vj} = 25$ °C; $I_F = 75$ A | max. 1,35 | V |
| $V_{(TO)}$ | $T_{vj} = 125$ °C | 0,85 | V |
| r_T | $T_{vj} = 125$ °C | 6 | mΩ |
| I_{RD} | $T_{vj} = 125$ °C; $V_{RD} = V_{RRM}$ | max. 3 | mA |
| $R_{th(j-c)}$ | per diode / per module | 1 / 0,5 | K/W |
| $R_{th(c-s)}$ | per diode / per module | 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 | V~ |
| M_s | to heatsink | 5 ± 15 % | Nm |
| M_t | to terminals | 3 ± 15 % | Nm |
| a | | 5 * 9,81 | m/s ² |
| m | approx. | 95 | g |
| Case | | A 10 | |

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



SKKD

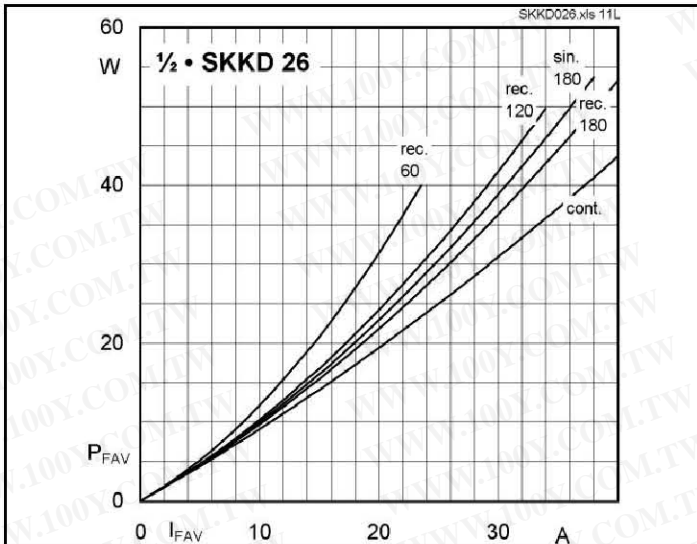


Fig. 11L Power dissipation per diode vs. forward current

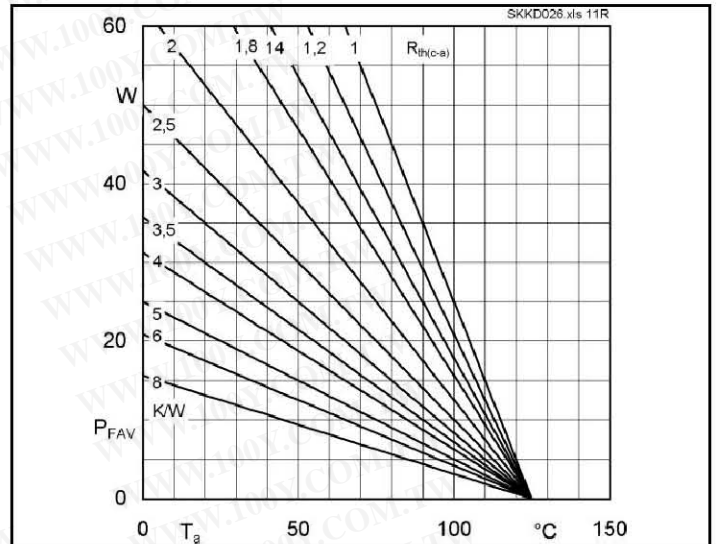


Fig. 11R Power dissipation per diode vs. ambient temperature

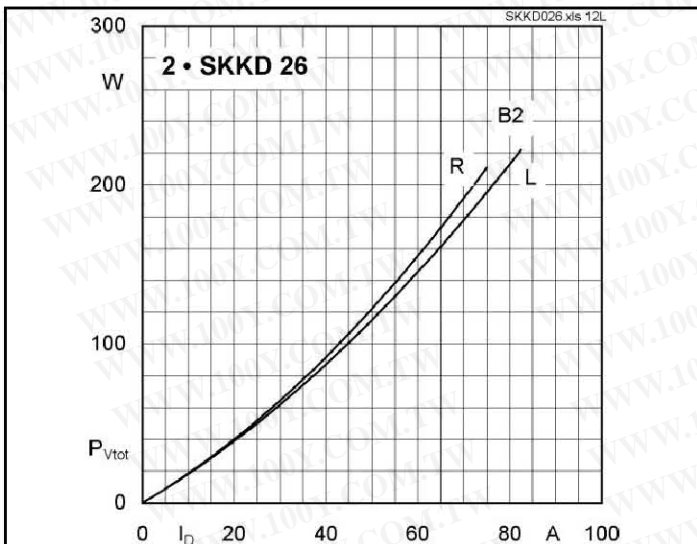


Fig. 12L Power dissipation of two modules vs. direct current

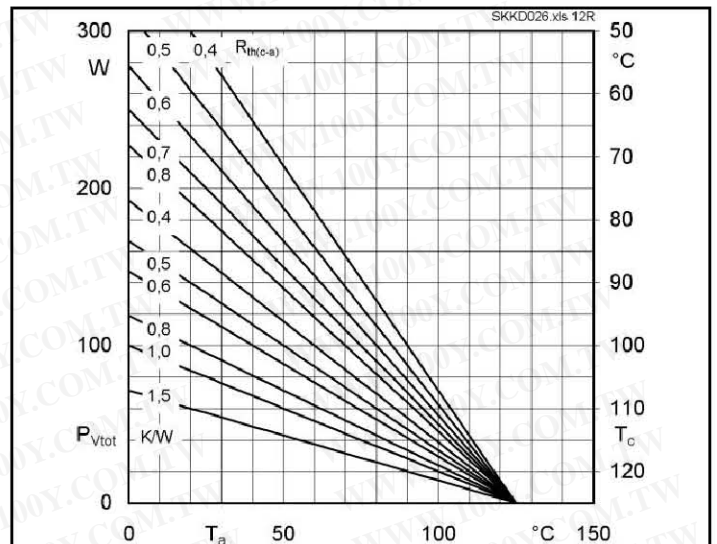


Fig. 12R Power dissipation of two modules vs. case temperature

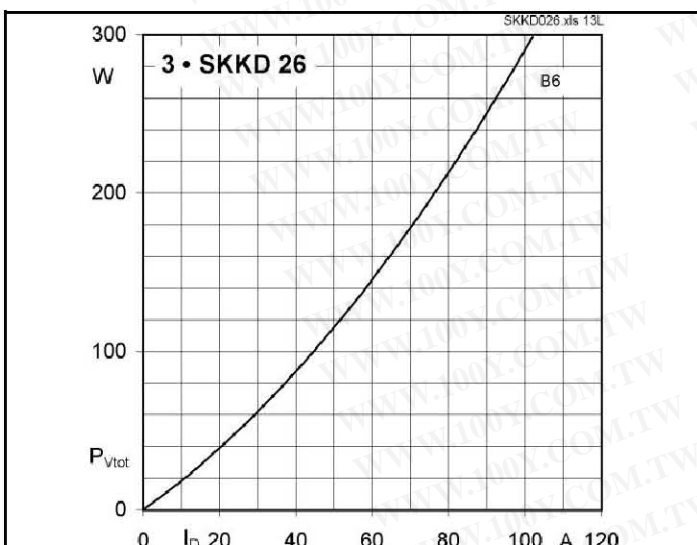


Fig. 13L Power dissipation of three modules vs. direct current

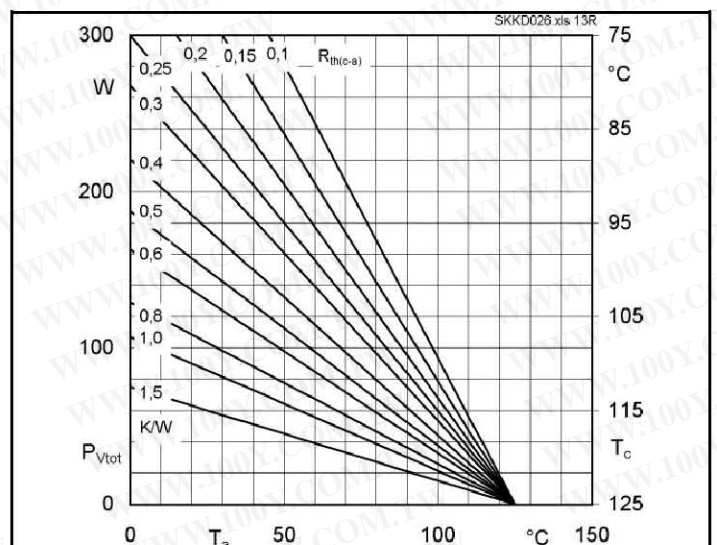
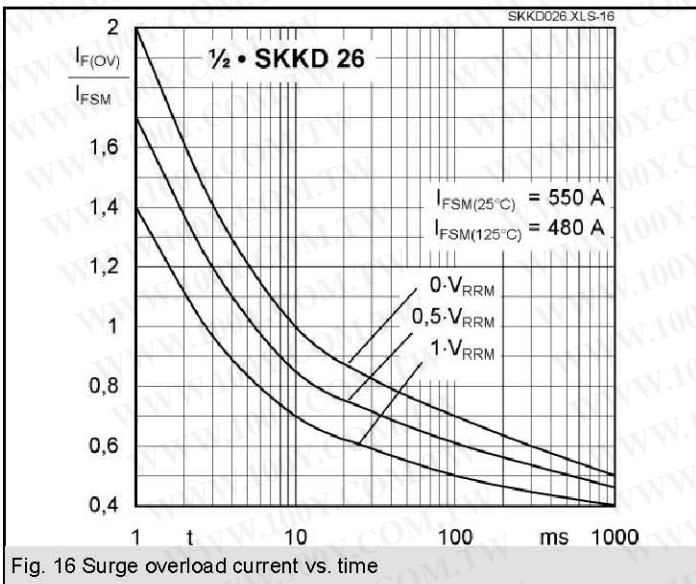
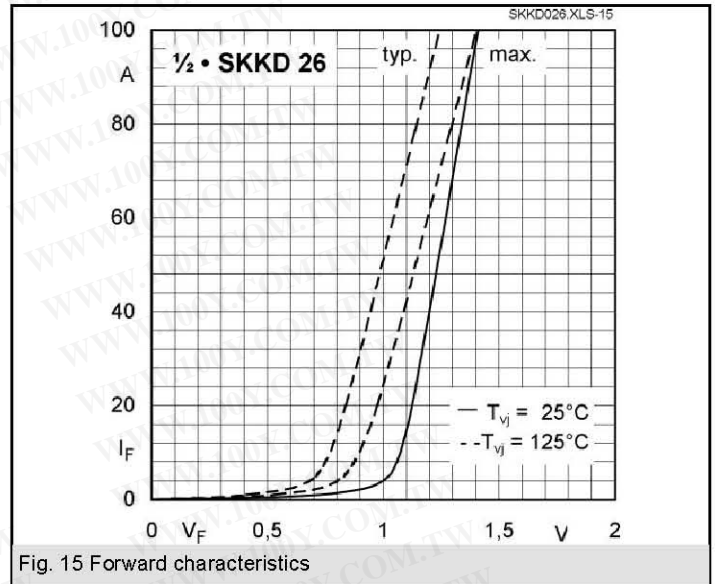
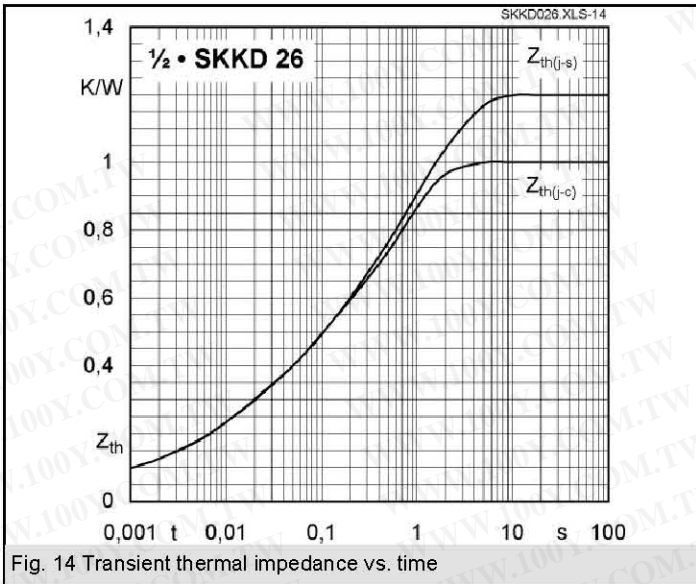
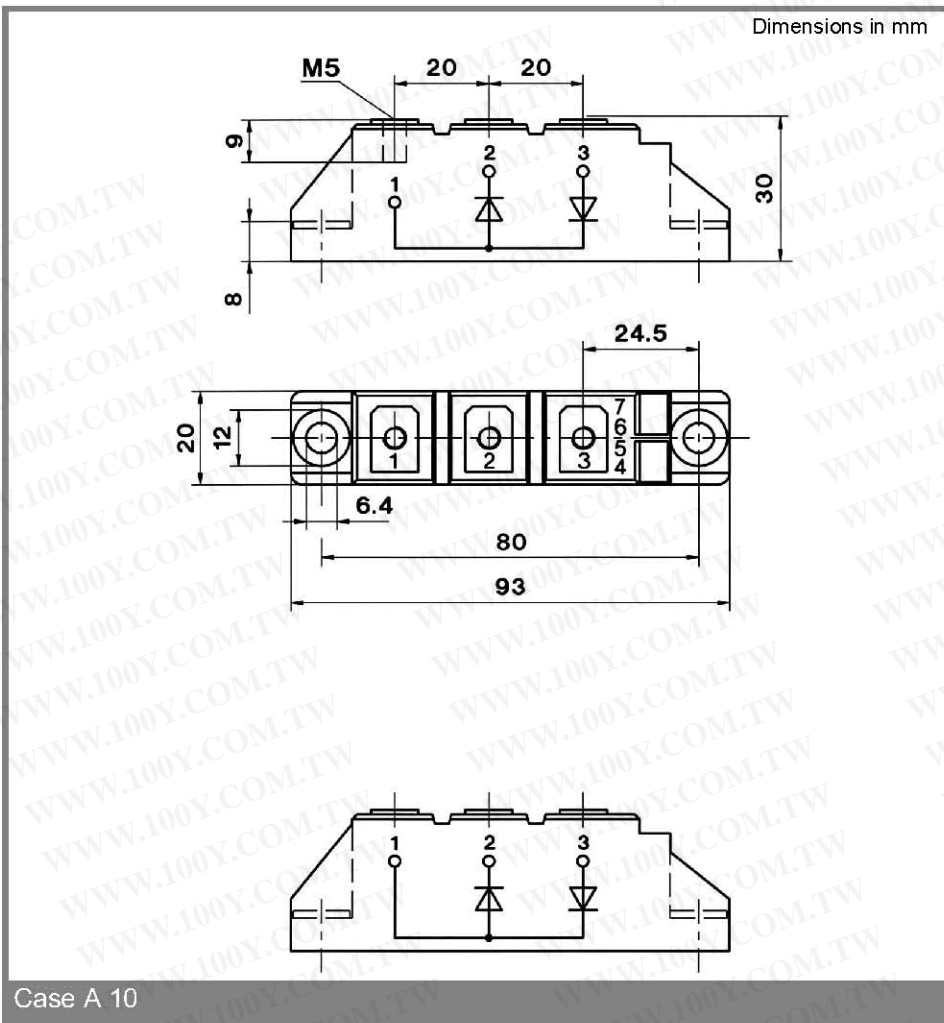


Fig. 13R Power dissipation of three modules vs. case temperature

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



This technical information specifies semiconductor devices but promises no characteristics. No warranty or guarantee expressed or implied is made regarding delivery, performance or suitability.

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)