# SKKE 1200



**SEMIPACK® 6**

## Rectifier Diode Modules

**SKKE 1200**

Target Data

### Features

- Precisious metal pressure contacts for high reliability

### Typical Applications

- Rectifiers

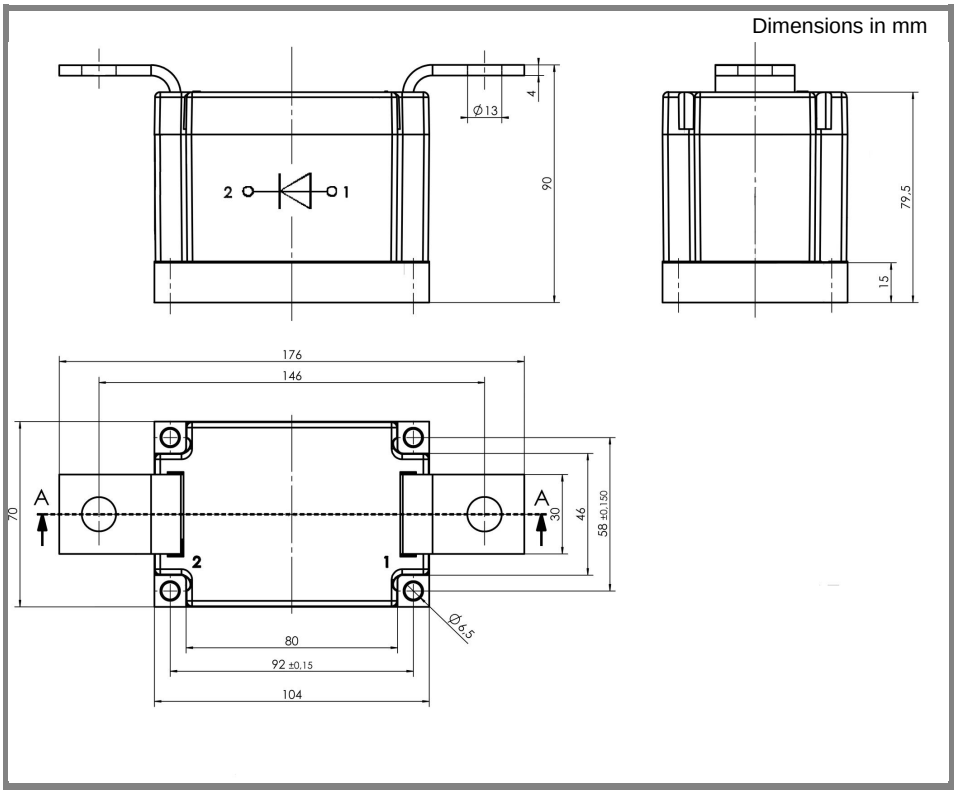
1) max. allowable $T_c$ = 150 °C

| $V_{RSM}$ V | $V_{RRM}$ V | $I_{FRMS}$ = 2000 A (maximum value for continuous operation) $I_{FAV}$ = 1180 A (sin. 180; $T_c$ = 100 °C) | | |
|---|---|---|---|---|
| 1900 | 1800 | SKKE 1200/18 H4 | | |
| 2300 | 2200 | SKKE 1200/22 H4 | | |

| Symbol | Conditions | Values | Units |
|---|---|---|---|
| $I_{FAV}$ | sin. 180; $T_c$ = 100 °C | 1180 | A |
| $I_{FSM}$ | $T_{vj}$ = 25 °C; 10 ms | 45000 | A |
| | $T_{vj}$ = 160 °C; 10 ms | 40000 | A |
| i²t | $T_{vj}$ = 25 °C; 8,3 ... 10 ms | 10125000 | A²s |
| | $T_{vj}$ = 160 °C; 8,3 ... 10 ms | 8000000 | A²s |
| $V_F$ | $T_{vj}$ = 25 °C; $I_F$ = 3000 A | max. 1,4 | V |
| $V_{(TO)}$ | $T_{vj}$ = 160 °C | max. 0,75 | V |
| $r_T$ | $T_{vj}$ = 160 °C | max. 0,17 | mΩ |
| $I_{RD}$ | $T_{vj}$ = 160 °C; $V_{RD}$ = $V_{RRM}$ | max. 60 | mA |
| $R_{th(j-c)}$ | cont. | 0,0395 | K/W |
| | sin. 180 | 0,041 | K/W |
| $R_{th(c-s)}$ | | 0,01 | K/W |
| $T_{vj}$ | | - 40 ... + 160 1) | °C |
| $T_{stg}$ | | - 40 ... + 125 | °C |
| $V_{isol}$ | a. c. 50 Hz; r.m.s.; 1 s / 1 min. | 4800 / 4000 | V~ |
| $M_s$ | to heatsink | 6 ± 15% | Nm |
| $M_t$ | to terminals | 18 ± 15 % | Nm |
| a | | 5 * 9,81 | m/s² |
| m | approx. | 2150 | g |
| Case | | A82 | |

**SKKE**




Case A82

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