SKKE 1200



Rectifier Diode Modules

SKKE 1200

Target Data

Features

• Precisious metal pressure contacts for high reliability

Typical Applications

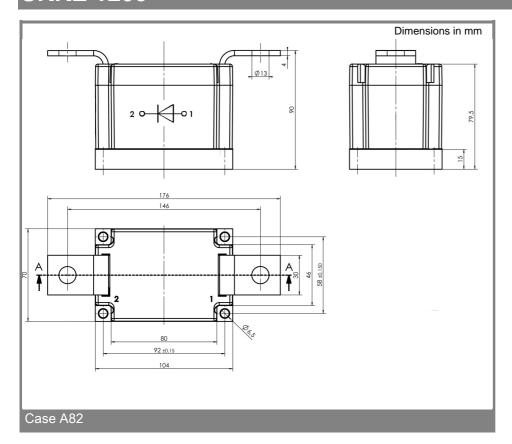
Rectifiers

| V_{RSM} | V_{RRM} | I _{FRMS} = 2000 A (maximum value for continuous operation) | | |
|-----------|-----------|---|--|--|
| V | V | 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 | Α |
| I _{FSM} | T _{vi} = 25 °C; 10 ms | 45000 | Α |
| | T _{vi} = 160 °C; 10 ms | 40000 | Α |
| i²t | $T_{vj} = 25 ^{\circ}\text{C}; 8,3 \dots 10 \text{ms}$ | 10125000 | A²s |
| | T _{vj} = 160 °C; 8,3 10 ms | 8000000 | A²s |
| V _F | T _{vi} = 25 °C; I _F = 3000 A | max. 1,4 | V |
| $V_{(TO)}$ | T _{vi} = 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 |
| . 0 ., | sin. 180 | 0,041 | K/W |
| $R_{th(c-s)}$ | | 0,01 | K/W |
| T_{vj} | | - 40 + 160 | °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 |
| а | | 5 * 9,81 | m/s² |
| m | approx. | 2150 | g |
| Case | | A82 | |
| | | | |
| | | | |



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