### Rectifier Diode Modules

**SEMIPACK® 0**

**SKKD 15**  **SKKE 15**

**SEMIPACK® 1**

**SKK 26**

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#### 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

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<table>
<thead>
<tr>
<th>Symbol</th>
<th>Conditions</th>
<th>SKKD 15</th>
<th>SKKE 15</th>
<th>SKKD 26</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>$V_{RSM}$</td>
<td>$V_{RRM}$</td>
<td>$I_{FRMS}$ (maximum value for continuous operation)</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>24 A$^2$; 28 A$^3$</td>
<td>24 A$^2$; 28 A$^3$</td>
<td>60 A</td>
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<tr>
<td>$V$</td>
<td>$V$</td>
<td>17,5 A$^3$</td>
<td>17,5 A$^3$</td>
<td>38 A</td>
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<td>400</td>
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<td>1700</td>
<td>1600</td>
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</table>

1) SKKD types only

2) Using tin plated connectors with flexible leads of 6 mm$^2$ for the main terminals

3) Flexible leads of 6 mm$^2$ soldered to the main terminals
Fig. 11a Power dissipation per diode vs. forward current and ambient temperature

Fig. 11b Power dissipation per diode vs. forward current and ambient temperature

Fig. 12a Power dissipation of two modules vs. direct current and case temperature
Fig. 12b Power dissipation of two modules vs. direct current and case temperature

Fig. 13a Power dissipation of three modules vs. direct current and case temperature

Fig. 13b Power dissipation of three modules vs. direct current and case temperature
Fig. 14a Transient thermal impedance vs. time

Fig. 14b Transient thermal impedance vs. time

Fig. 15a Forward characteristics

Fig. 15b Forward characteristics

Fig. 16 Surge overload current vs. time
Fig. 8  On-state characteristics

Fig. 9  Surge overload current vs. time

Fig. 10  Gate trigger characteristics

SKKT 15
Case A 1
SEMIPACK 0

Dimensions in mm

SKKH 15
Case A 2

SKKD 15
Case A 3

SKKE 15
Case A 4