### SEMIPACK® 2
Thyristor / Diode Modules

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<th>Symbol</th>
<th>Conditions</th>
<th>SKKT 132</th>
<th>SKKH 132</th>
<th>SKMT 132</th>
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<td>SKKT 162</td>
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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
- DC motor control (e.g. for machine tools)
- Temperature control (e.g. for ovens, chemical processes)
- Professional light dimming (studios, theaters)
- SKNH 162 for DC braking of induction motors, for circuit see page B 1 – 97

### Symbol Conditions

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#### Units
- A
- μs
- A/μs
- μs
- A
- V
- mA
- °C/W
- °C
- V~
- Nm
- m/s^2
- g

### Case
- SKKT: A 21
- SKMT: A 50
- SKKH: A 22
- SKNH: A 61

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1) SKMT 132, SKNH 132 available on request
2) See the assembly instructions
Fig. 1a Power dissipation per thyristor vs. on-state current and ambient temperature

Fig. 1b Power dissipation per thyristor vs. on-state current and ambient temperature

Fig. 2a Power dissipation per module vs. rms current and case temperature
Fig. 2b Power dissipation per module vs. rms current and case temperature

Fig. 3a Power dissipation of two modules vs. direct current and case temperature

Fig. 3b Power dissipation of two modules vs. direct current and case temperature
Fig. 4 a Power dissipation of three modules vs. direct and rms current and case temperature

Fig. 4 b Power dissipation of three modules vs. direct and rms current and case temperature

Fig. 5 Recovered charge vs. current decrease

Fig. 6 a Transient thermal impedance vs. time
Fig. 9b Surge overload current vs. time

Fig. 10 Gate trigger characteristics