# SG2M025075TJ-A

**TriQSiC™ 750V Silicon Carbide Power MOSFET G2**

## Features

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## Benefits

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## Applications

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**Table 1 Key perform e**

# Table of contents

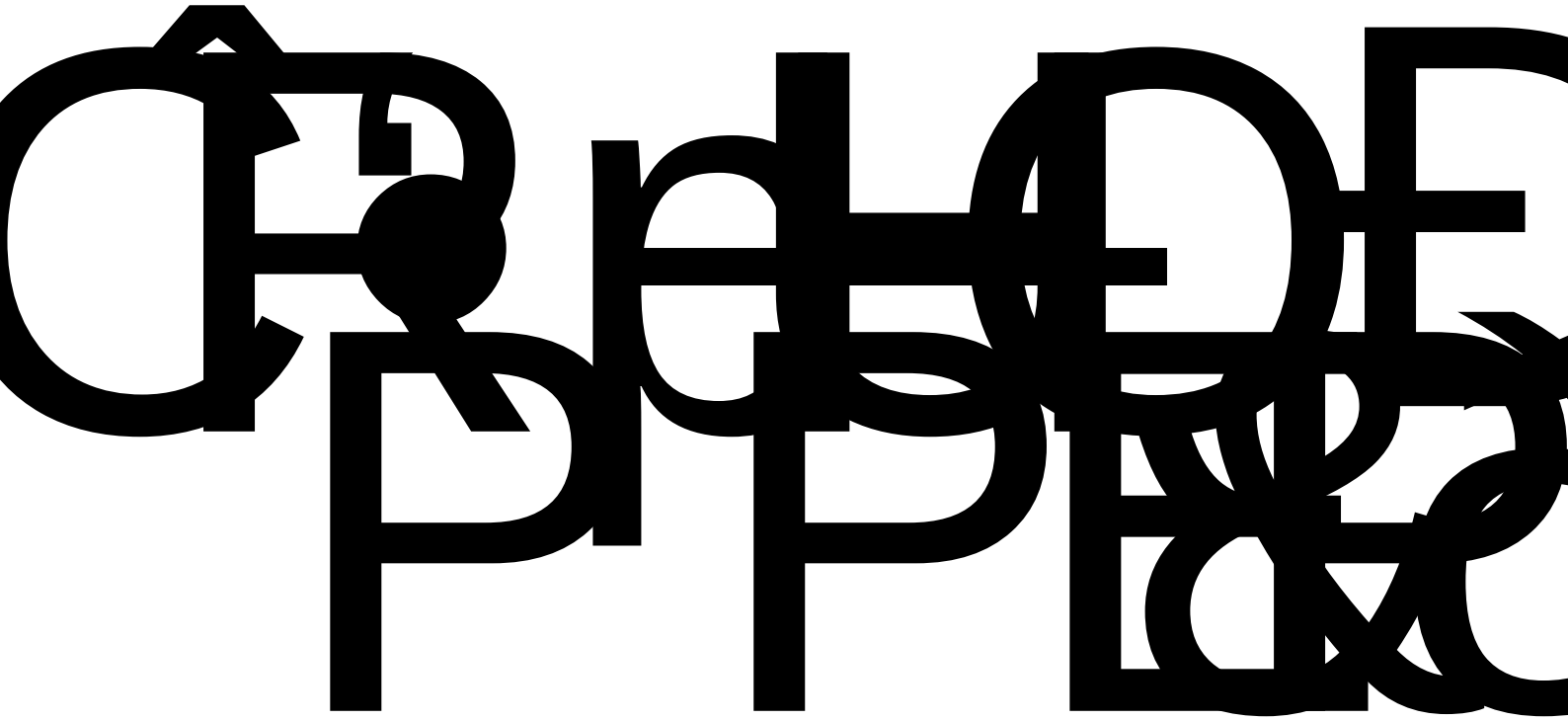
**Features** ..... **1**

**Benefits** ..... .- ! -

# 1 Maximum ratings

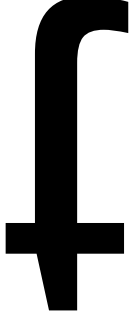
**Table 2 Maximum rating**

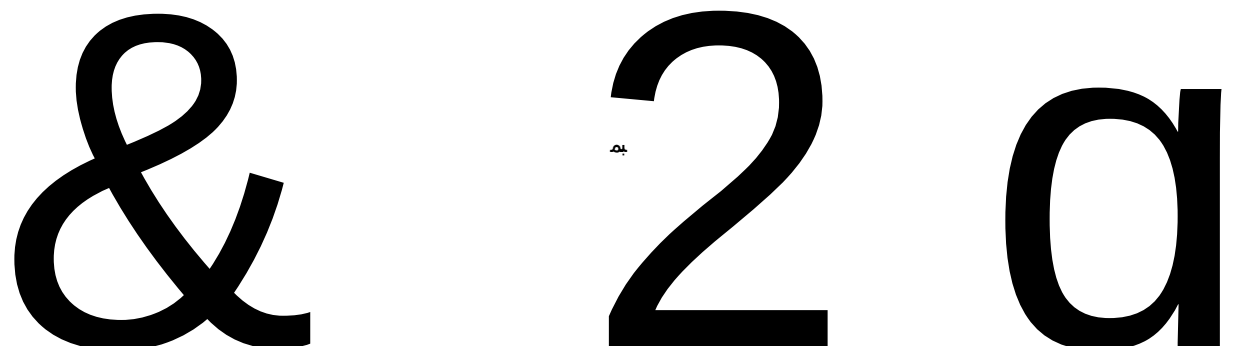
| Symbol | Parameter | Value | Unit | Test Conditions | Note |
|---|---|---|---|---|---|
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**SG2M025075TJ-A**





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## 3.3 Switching characteristics

**Table 6 Dynamic characteristics**

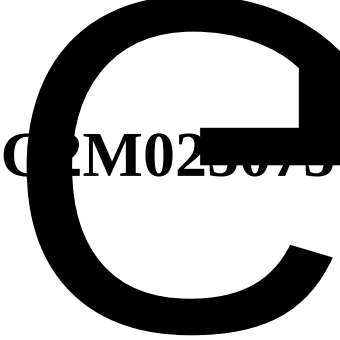
| Symbol | Parameter | Min. | Typ. | Max. | Unit | Test Conditions | Note |
|---|---|---|---|---|---|---|---|
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**Table 7 Body diode characteristics**

| Symbol | Parameter | Min. | Typ. | Max. | Unit | Test Conditions | Note |
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# SG2M025075TJ-A

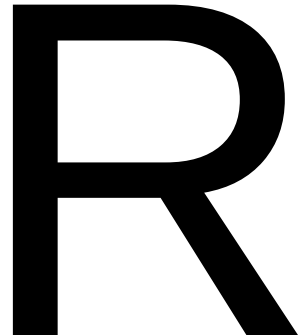
**755ig ^ o r d**



# SC2M0250J5TJ-A

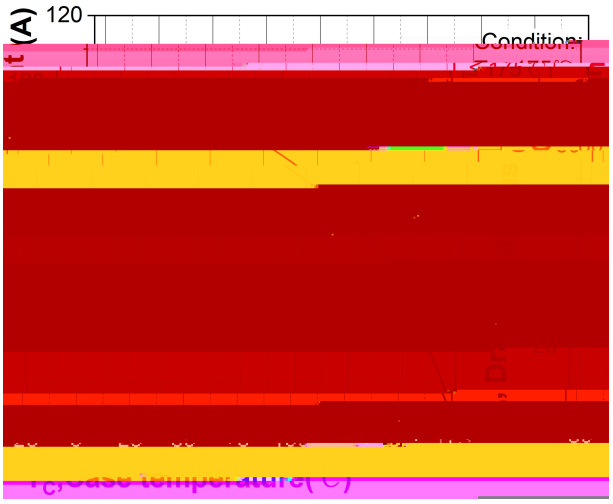


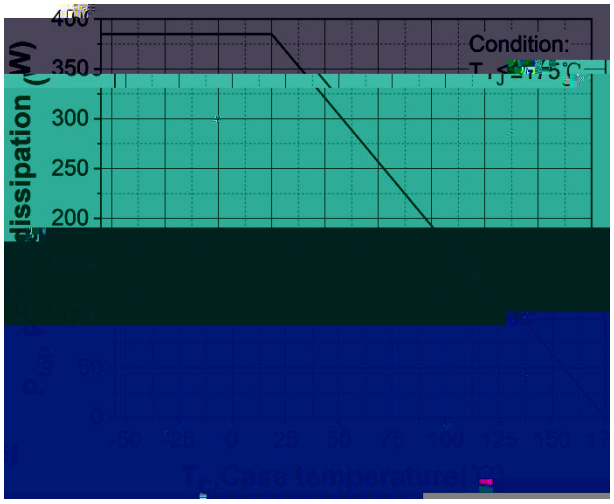
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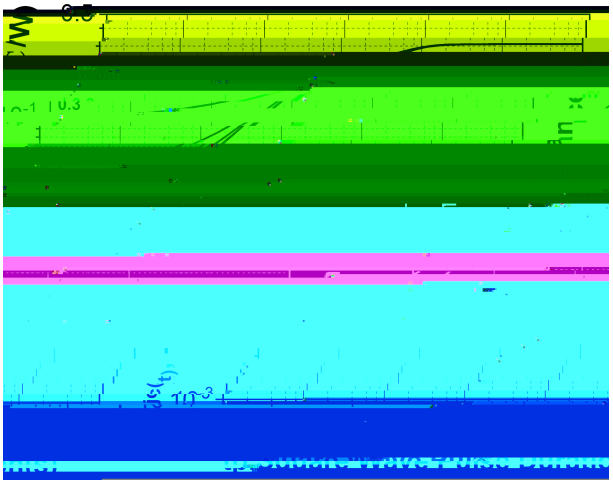


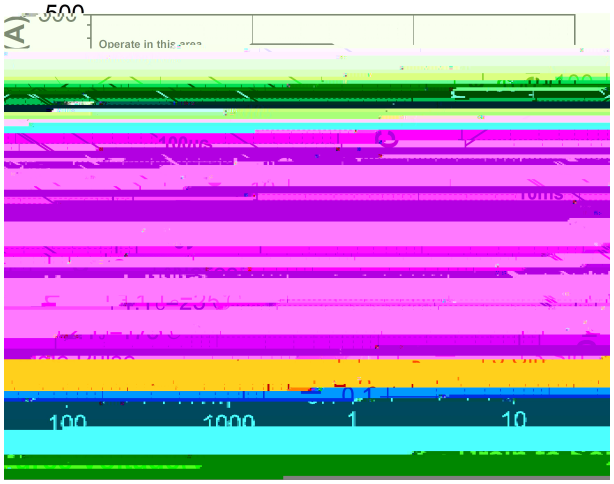
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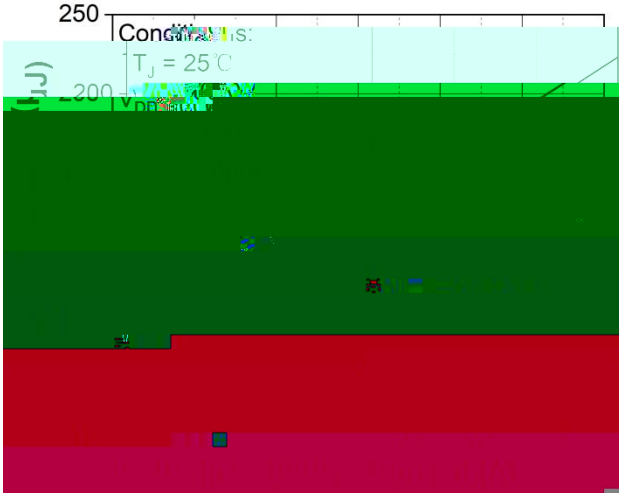
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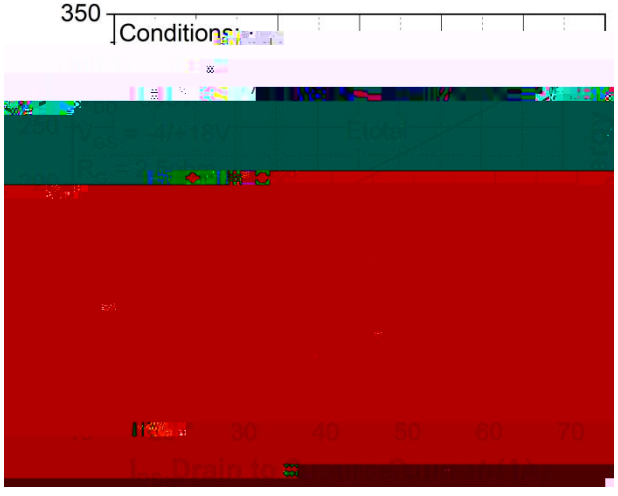


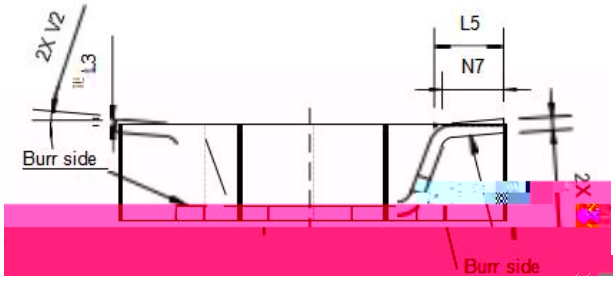


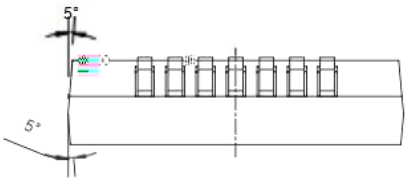



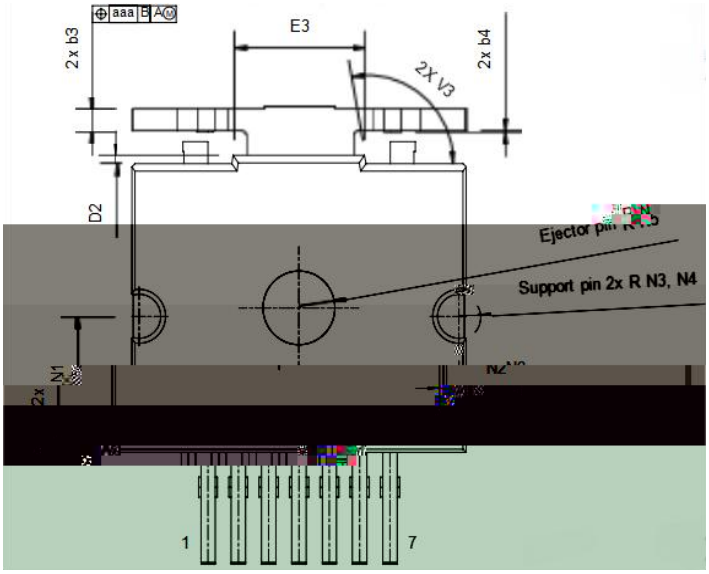
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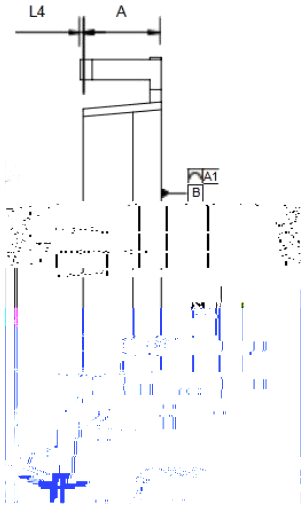
## 5 Package drawing

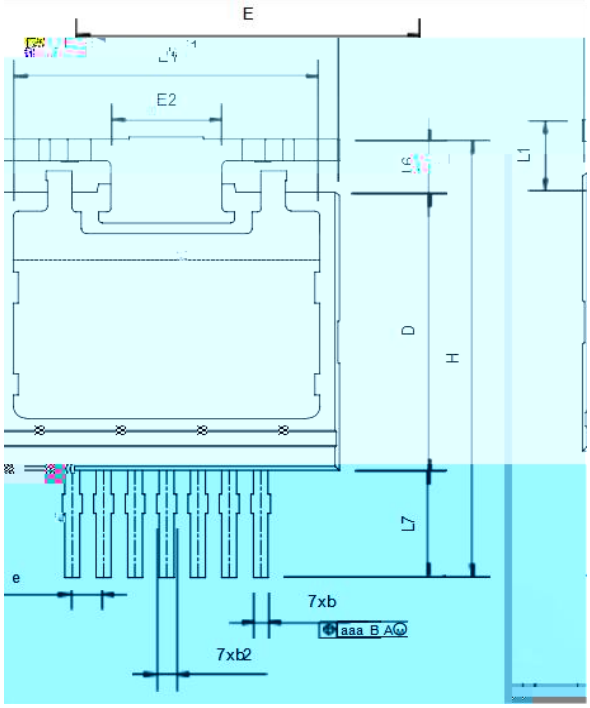


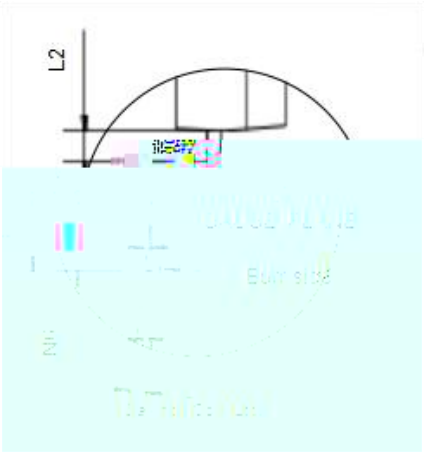




| SYMBO | Common DIMENSIONS MILLIMETER | | |
|---|---|---|---|
| | MIN. | NOM. | MAX. |
| A | 3.40 | 3.50 | 3.60 |
| A1 | | 0.05 | |
| b | 0.60 | 0.7 | |
| E | 14.10 | 14.30 | 14.4 |
| E1 | 12.50 | 12.80 | 12.9 |
| E2 | 4.66 | 4.85 | 5.0 |
| E3 | 5.66 | 5.85 | 6.0 |
| e | | 1.27 | |
| H | 18.00 | 18.30 | 18.6 |
| L | 2.42 | 2.62 | 2.8 |
| L1 | 2.62 | 2.82 | 3.0 |
| L2 | 0.90 | 1.00 | 1.1 |
| L3 | 1.10 | 1.20 | 1.3 |
| L4 | 0.075 | 0.125 | 0.17 |
| L5 | 2.38 | 2.48 | 2.5 |
| L6 | 2.14 | 2.24 | 2.3 |
| L7 | 4.44 | 4.54 | 4.6 |
| N1 | 5.40 | 5.50 | 5.6 |

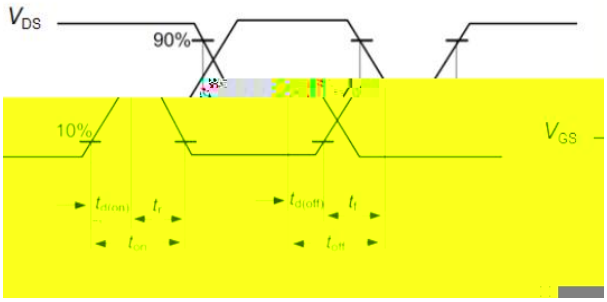


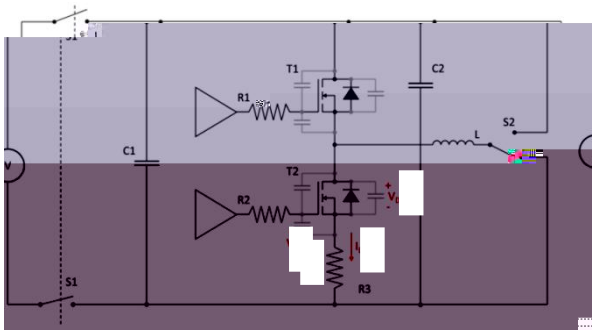



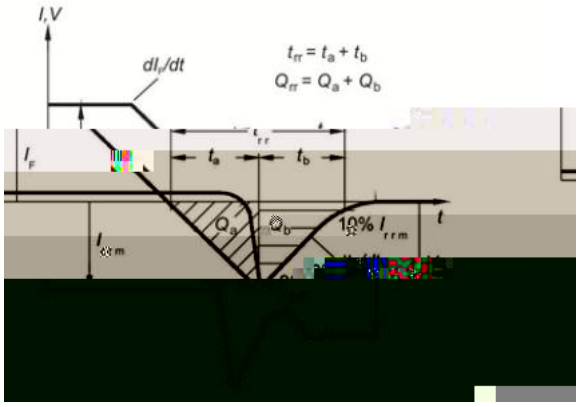



## 6 Test conditions



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**750V SiC Power MOSFET**



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