

S3M09006

TriQSiC™ 650V High Power MOSFET

Features

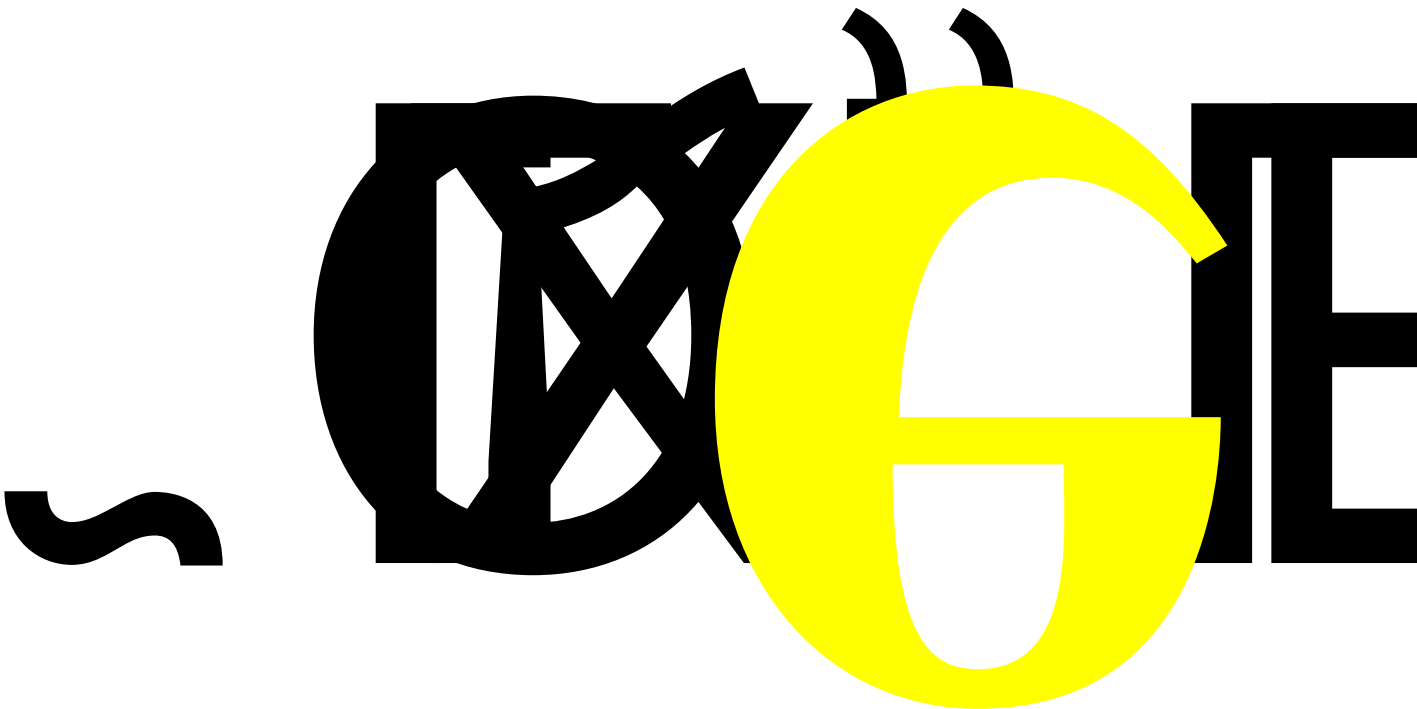
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Benefits

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Applications

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650V SiC Power MOSFET

1 Maximum r

3 Electrical characteristics

3.1 Static characteristics

Table 4 Static characteristics

Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note
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3.3 Switching characteristics

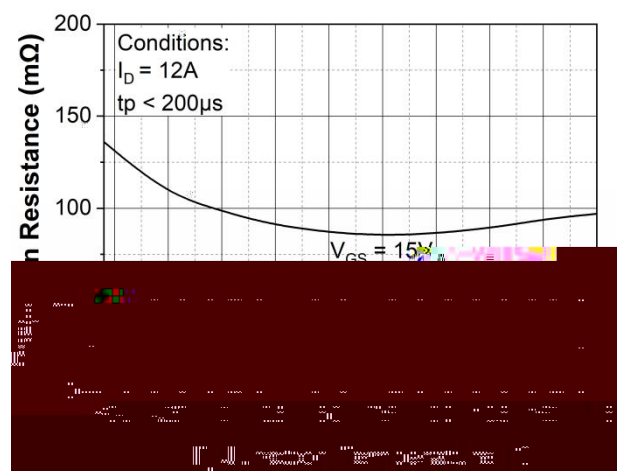
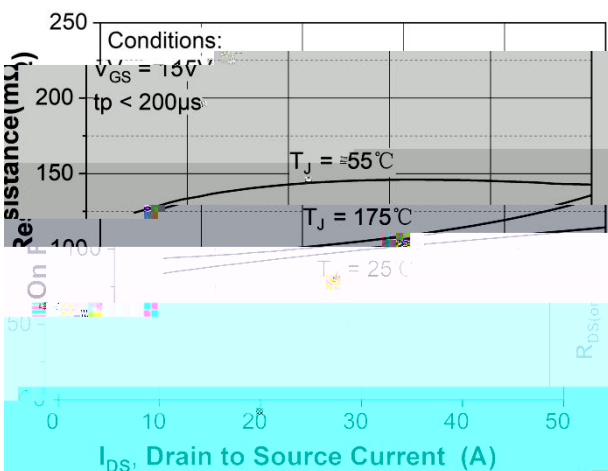
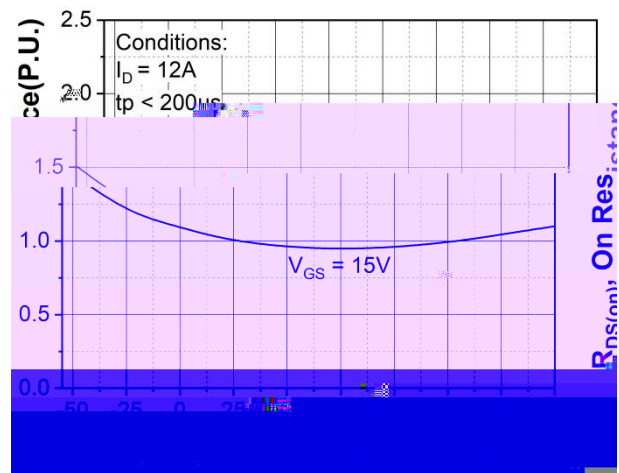
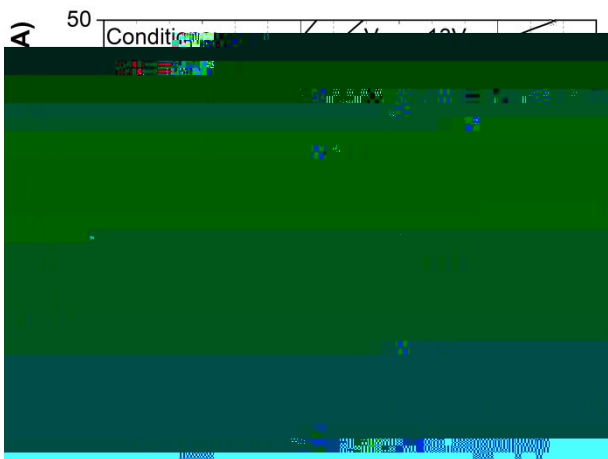
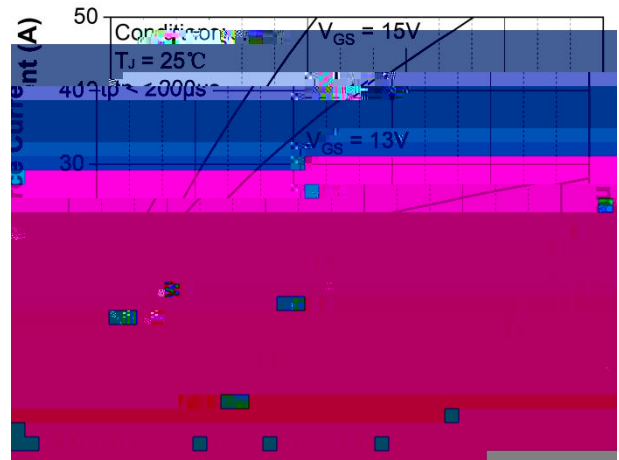
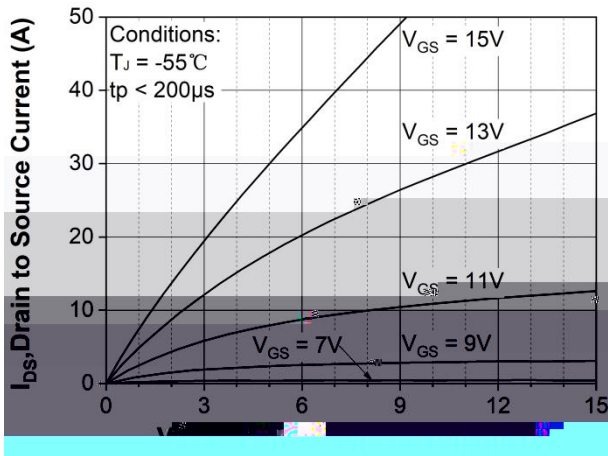
Table 6 Dynamic characteristics

Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note

Table 7 Body diode characteristics

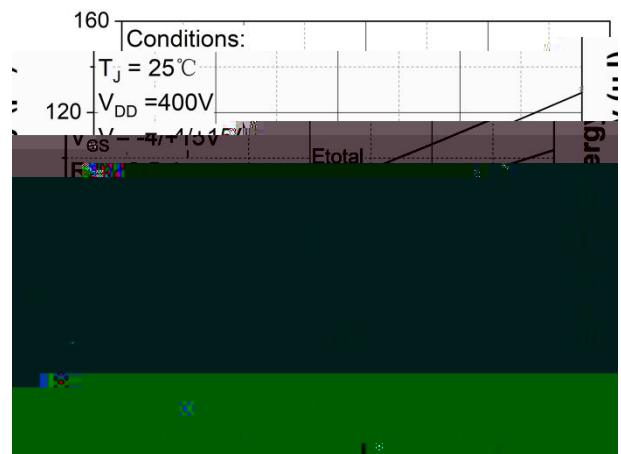
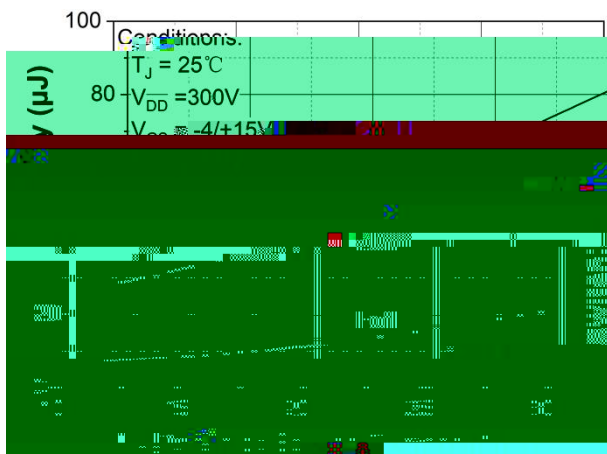
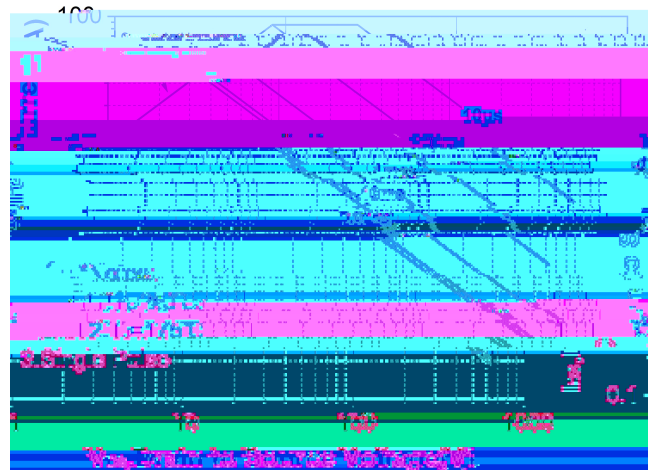
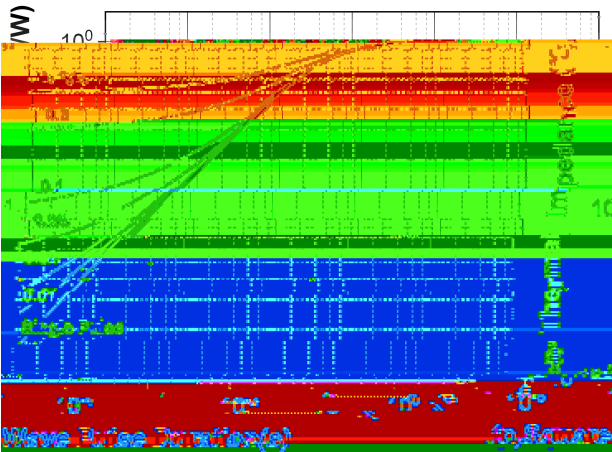
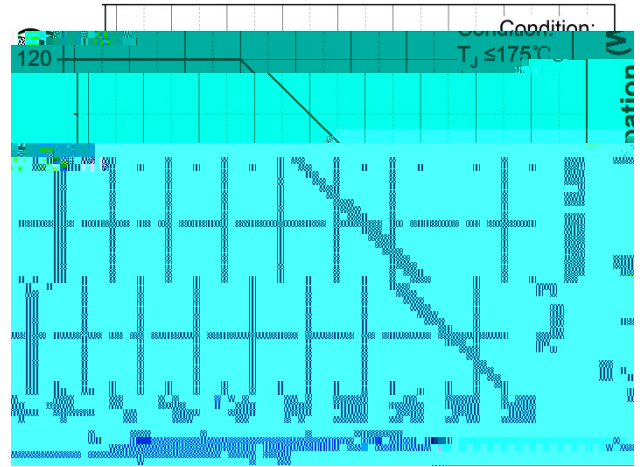
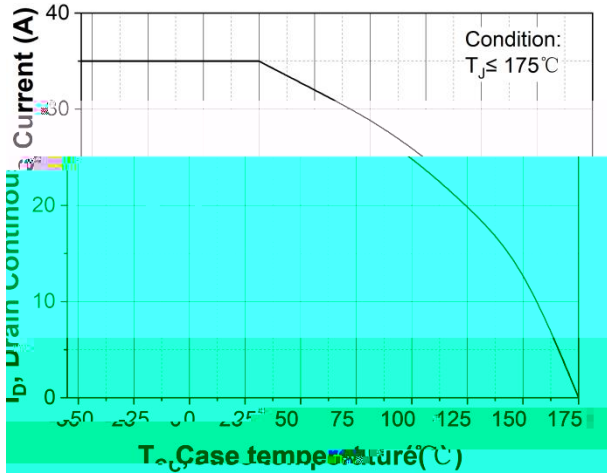
Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note

4 Electrical characteristic diagrams

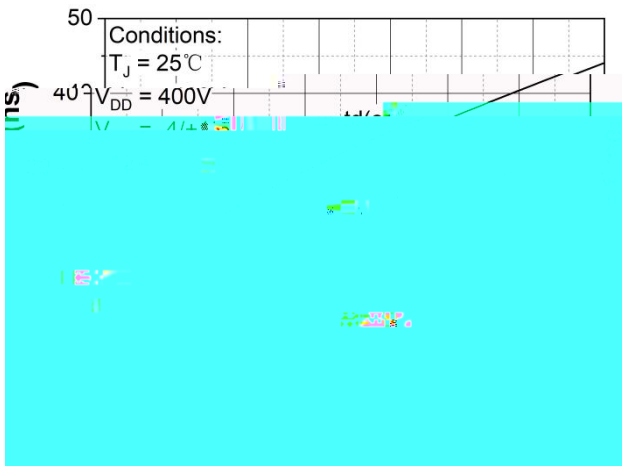
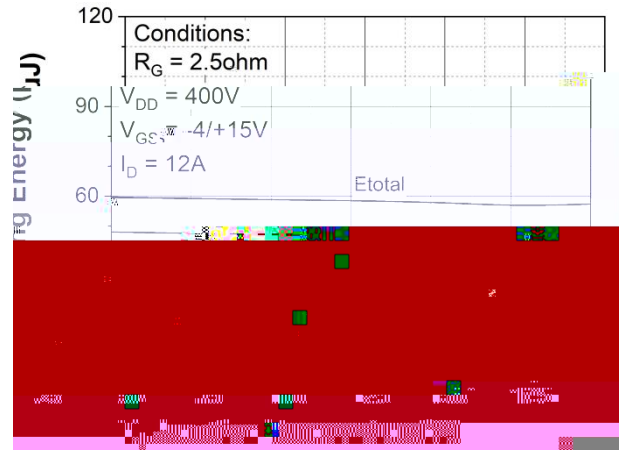
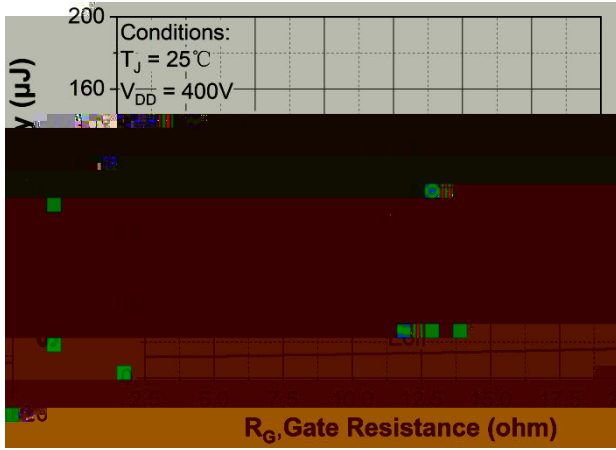


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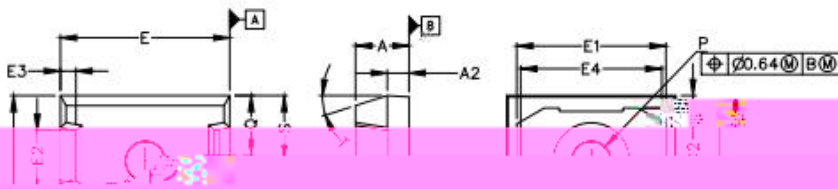


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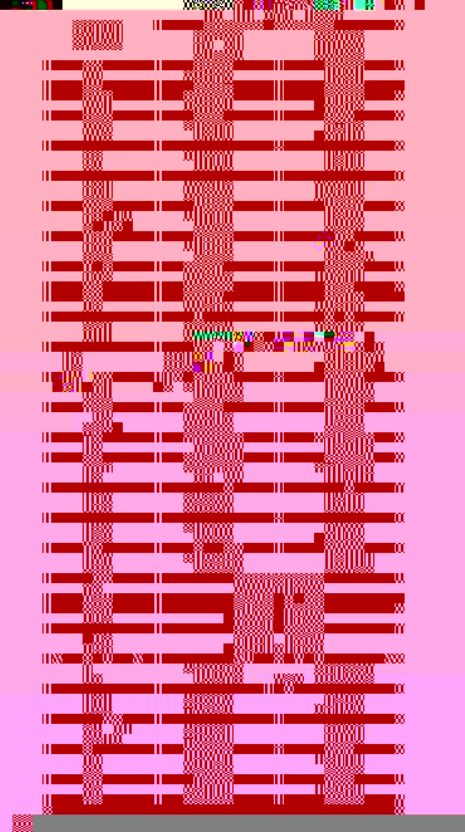
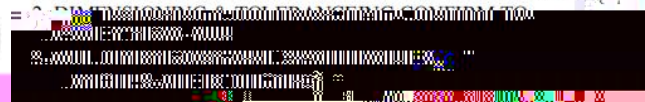


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5 Package drawing



NOTE ;
1. ALL METAL SURFACES: TIN PLATED, EXCEPT AREA OF CUT



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Revision history

Document version	Date of release	Document stage	Description of changes
V01_00	2026-01-27	---	---
V01_01	2026-02-02	Final	---

Attention

RoHS compliance

REACH compliance

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