S3M09006

TriQSiC™650V

Features

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Benefits

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Applications

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1 Maximum r

3 Electrical characteristics

3.1 Static characteristics

Table 4 Static characteristics

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

3.3 Switching characteristics

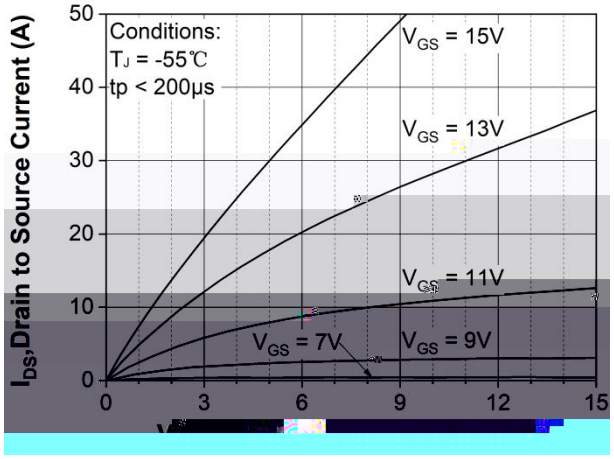
Table 6 Dynamic characteristics

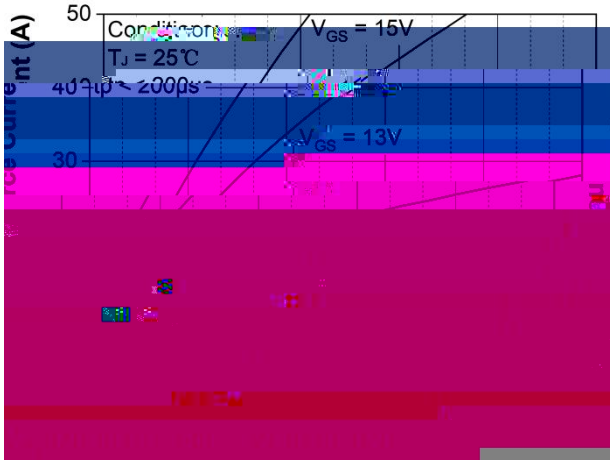
Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note

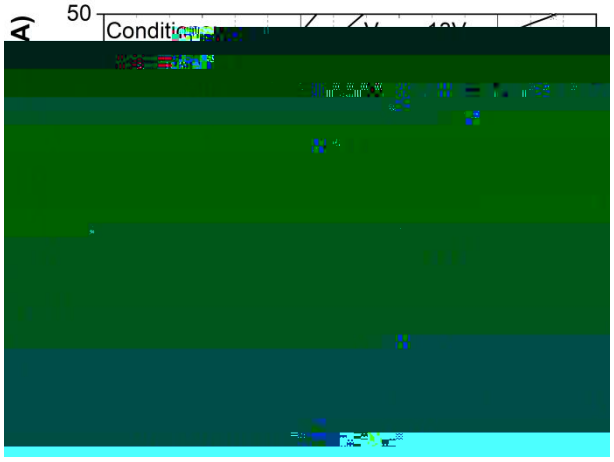
Table 7 Body diode characteristics

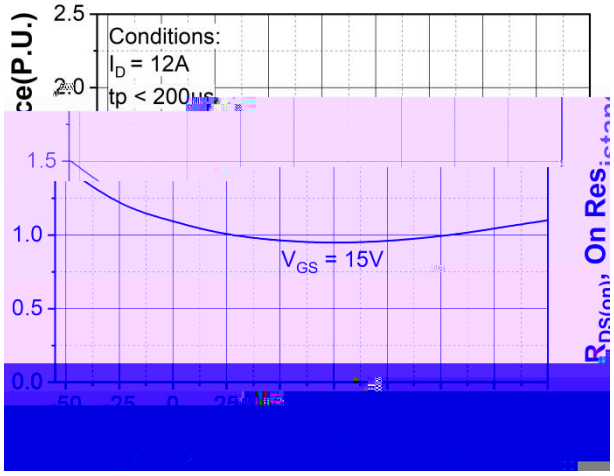
Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note

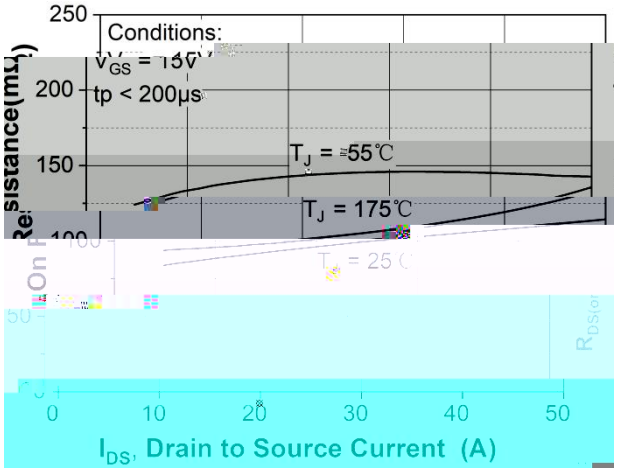
4 Electrical characteristic diagrams

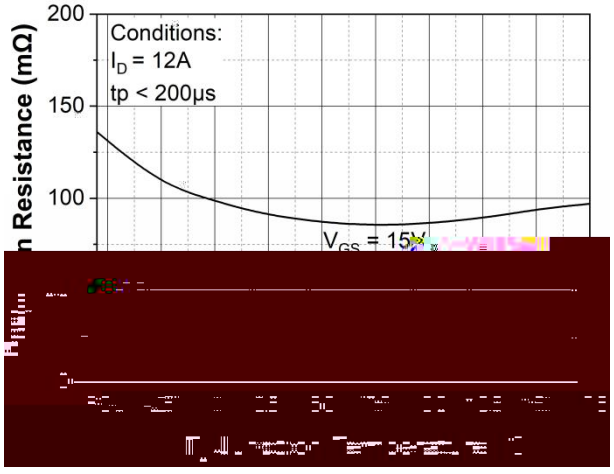












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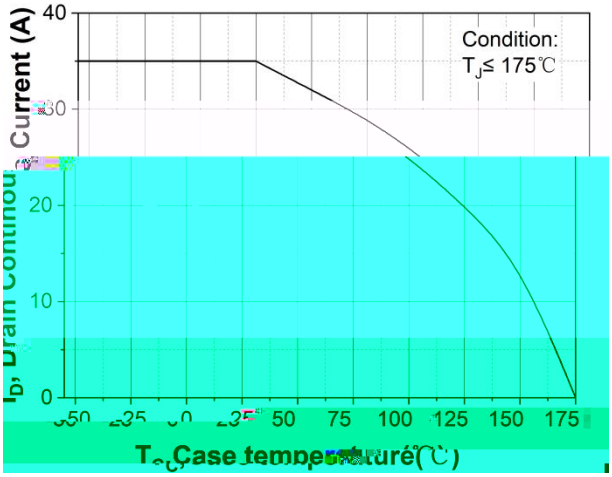

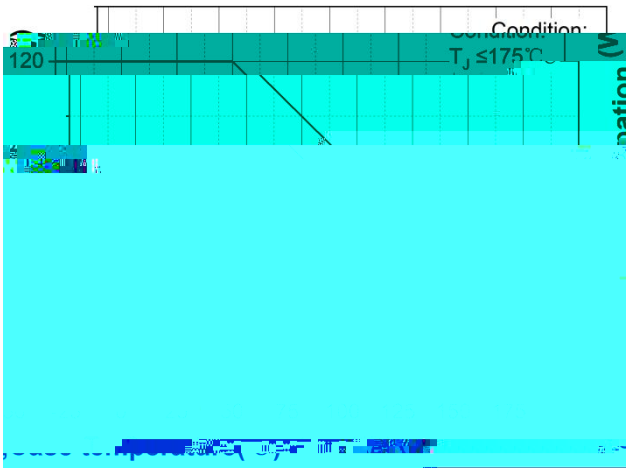

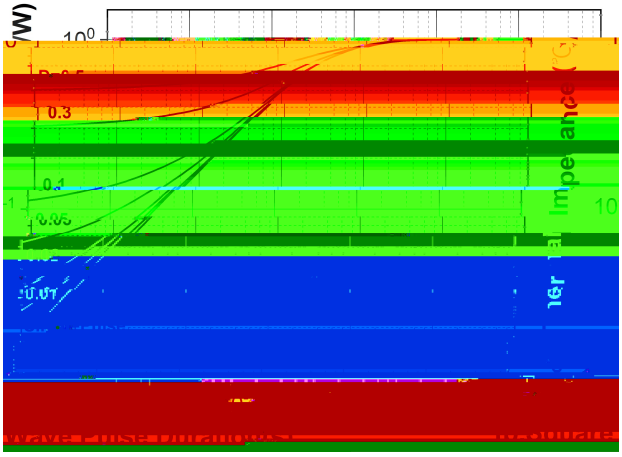

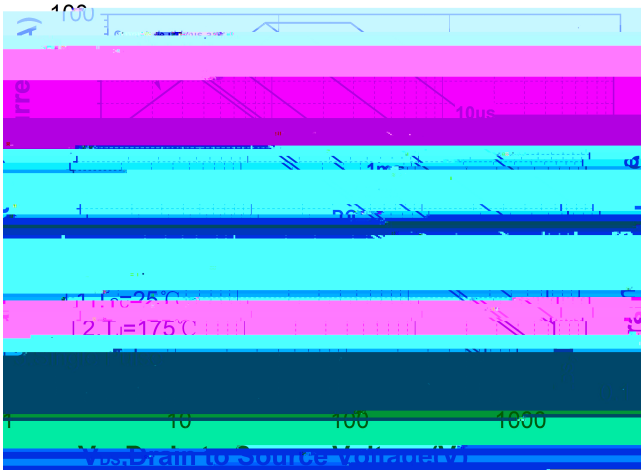

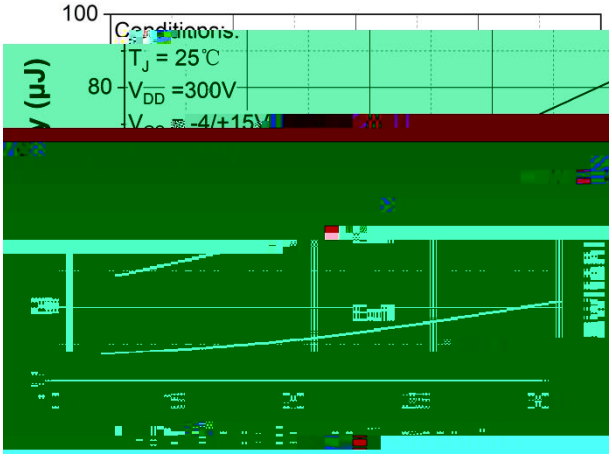

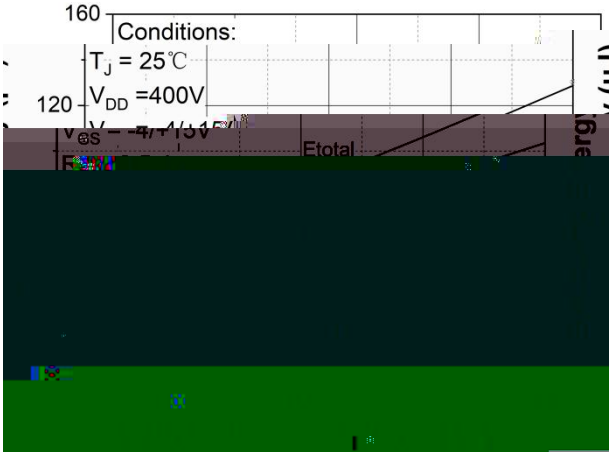

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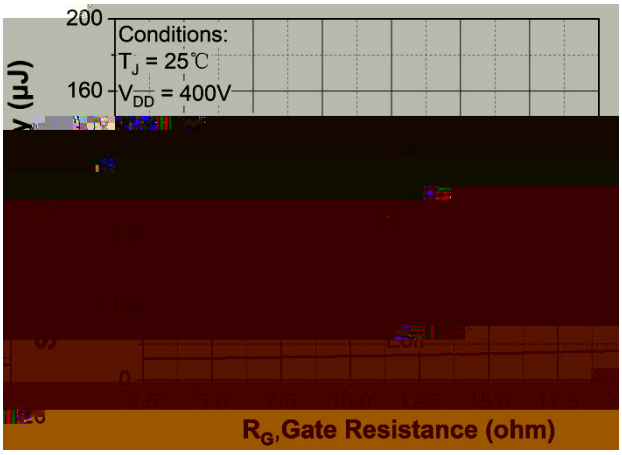
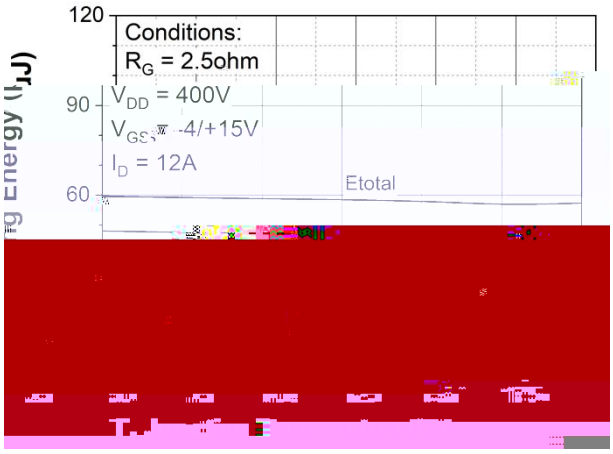
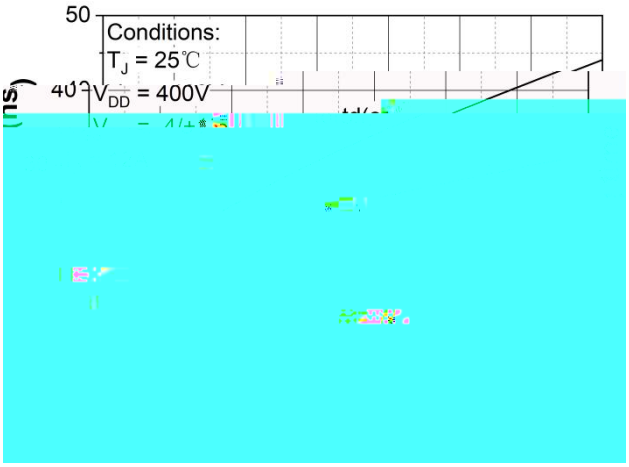
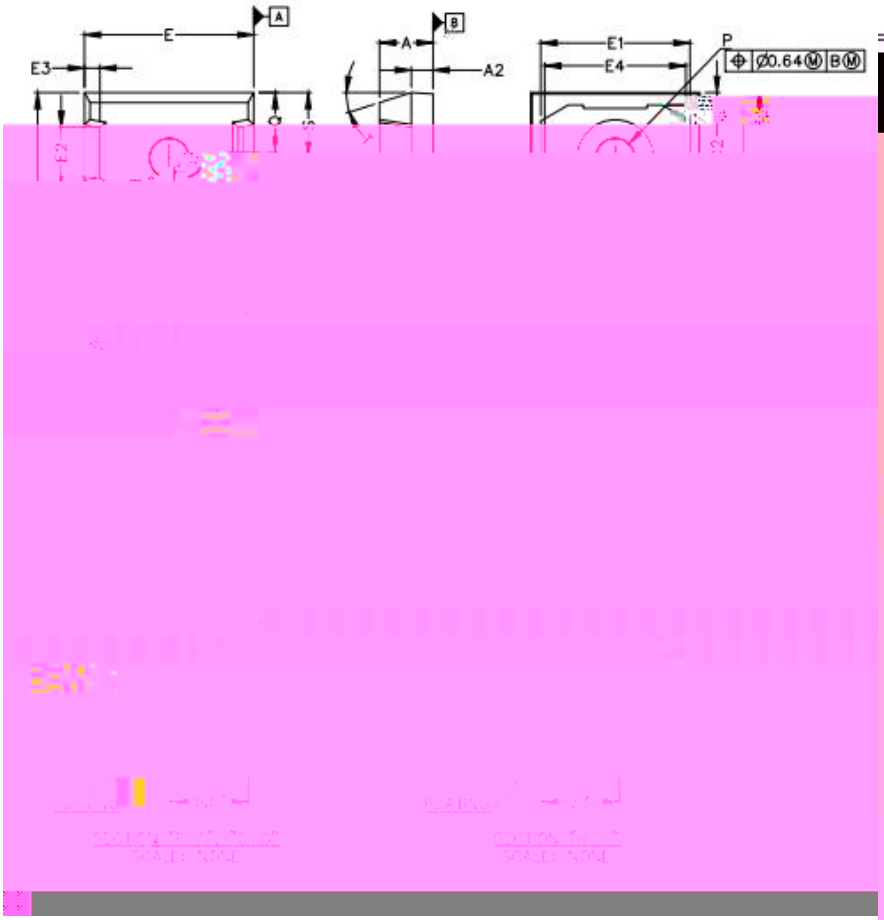
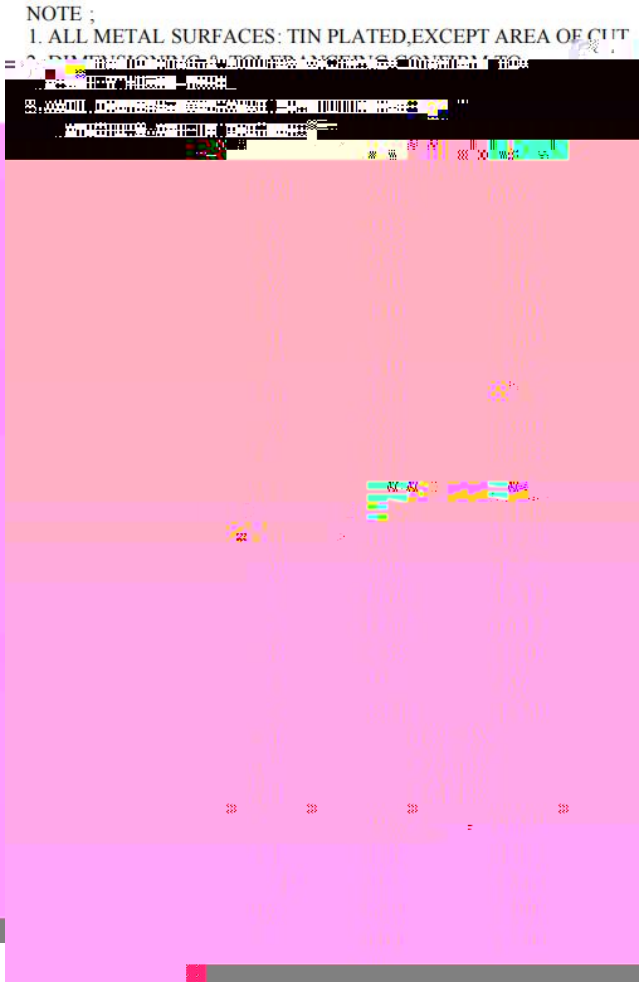






5 Package drawing





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650V SiC Power MOSFET

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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