SG2M025075WJ-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 performance and package parameters

Type	V_{DS}	I_{DS}	$R_{DS(on),\ typ}$

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Benefits 1

Applications 1

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750V SiC Power MOSFET

1 Maximum ratings

Table 2 Maximum rating

Symbol	Parameter	Value	Unit	Test Conditions	Note
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3 Electrical characteristics

3.1 Static characteristics

Table 4 Static characteristics

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

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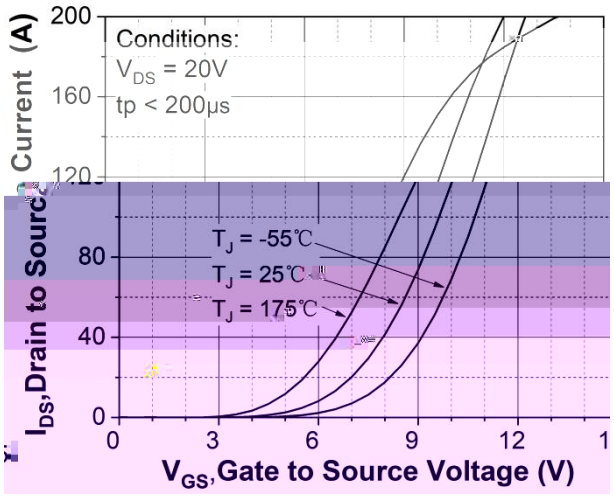
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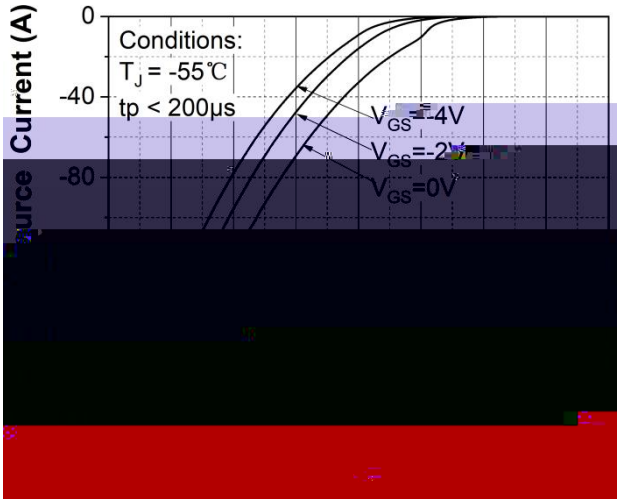
3.3 Switching characteristics

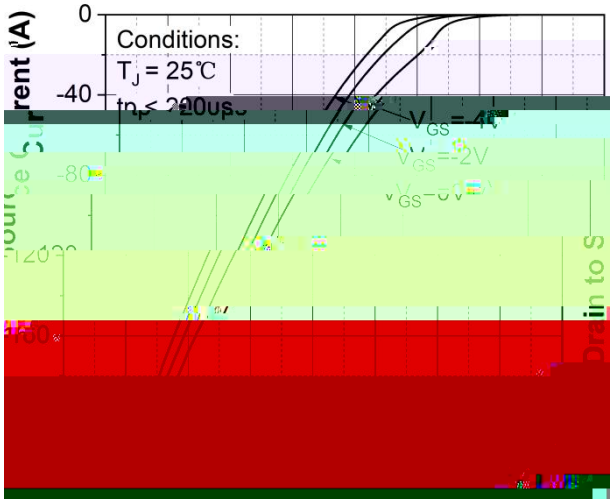
Table 6 Dynamic characteristics

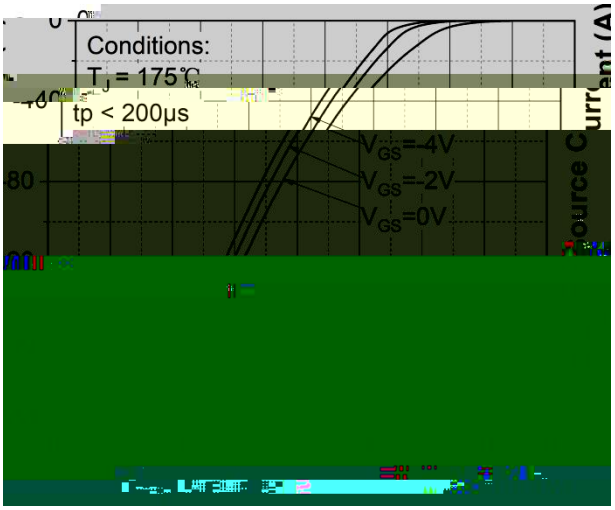
Symbol	Parameter	Min.	Typ.	Max.	U

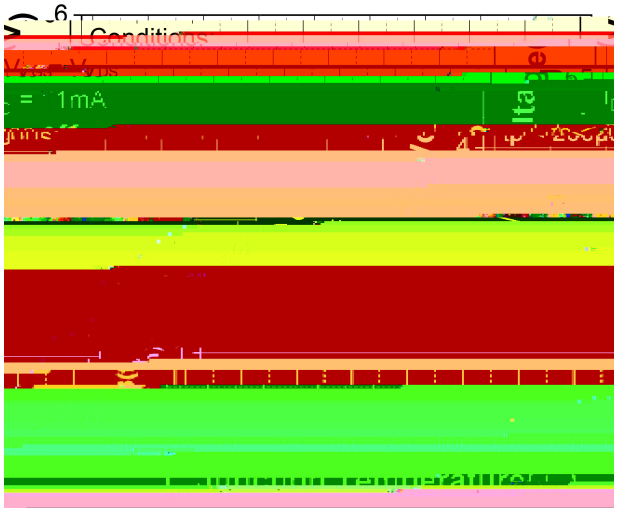
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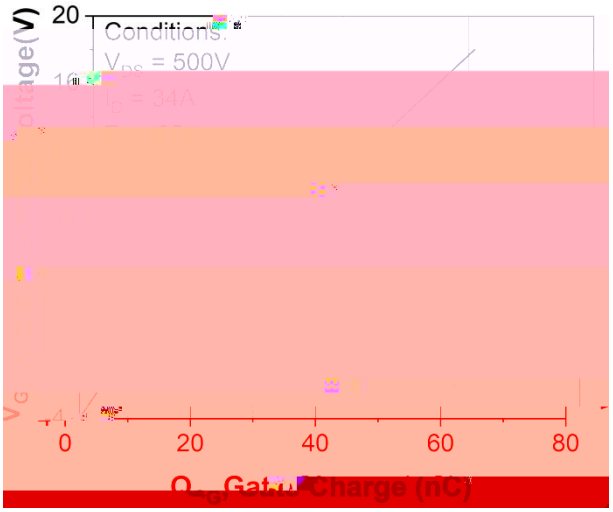




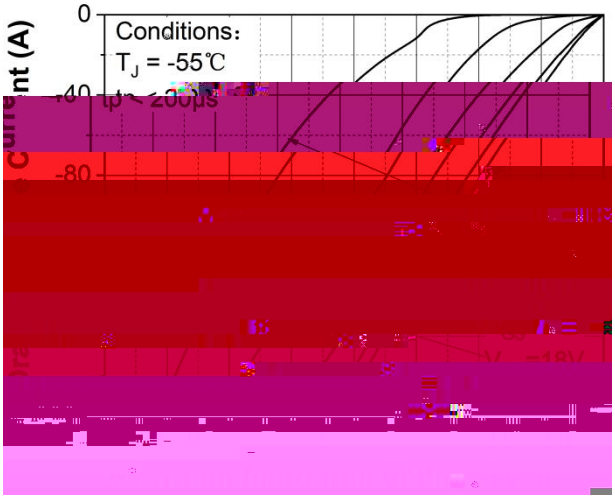




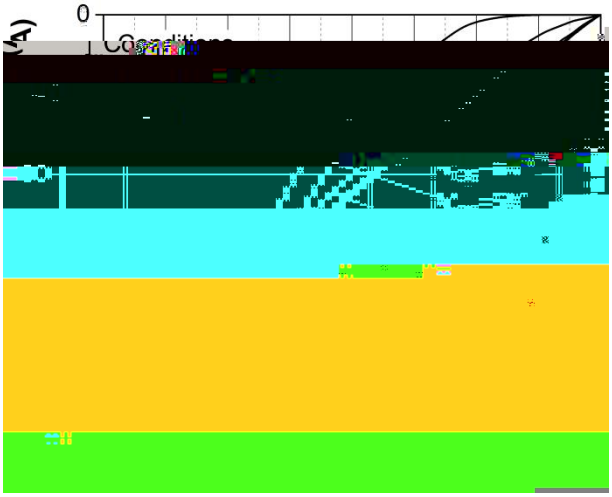


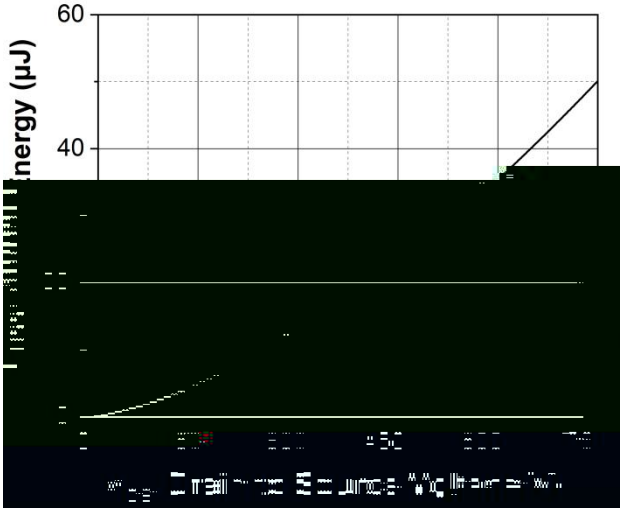


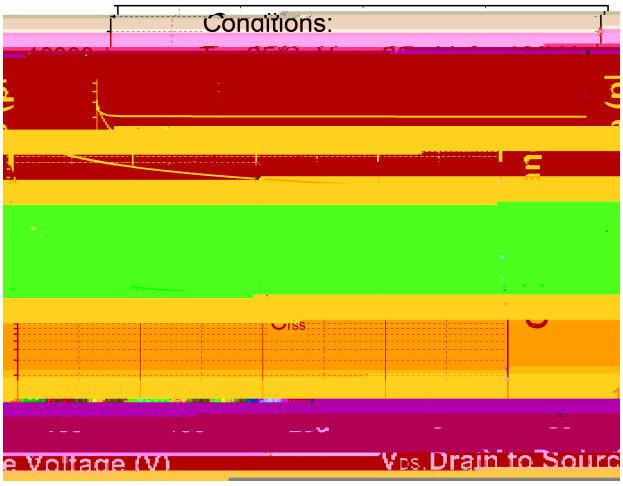
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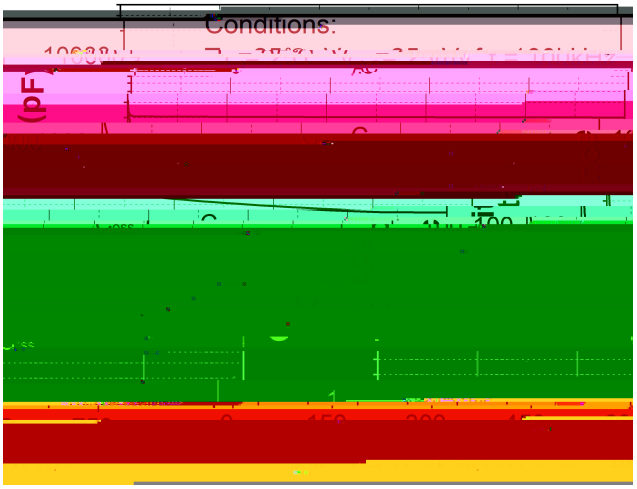




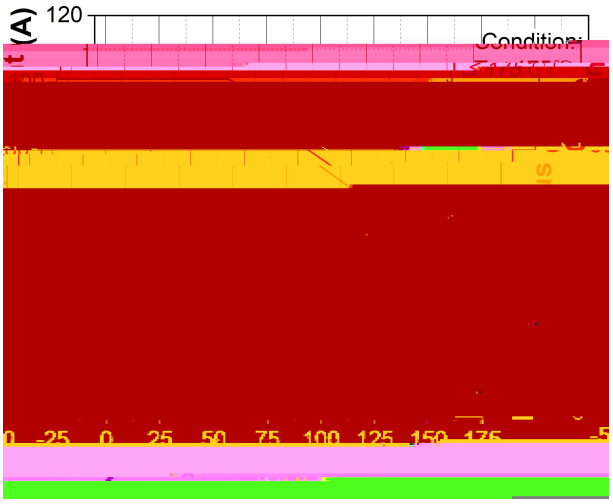


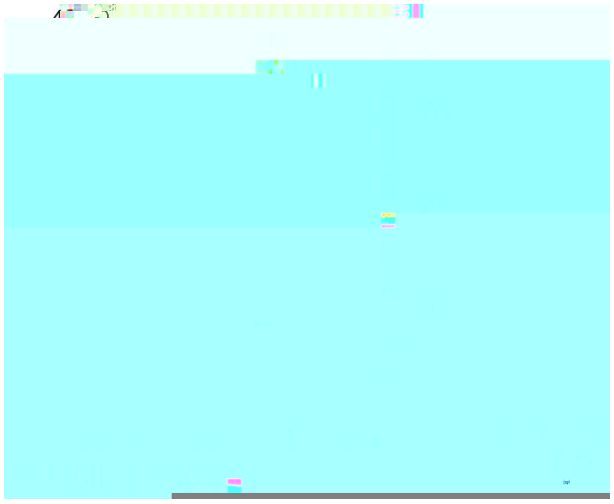


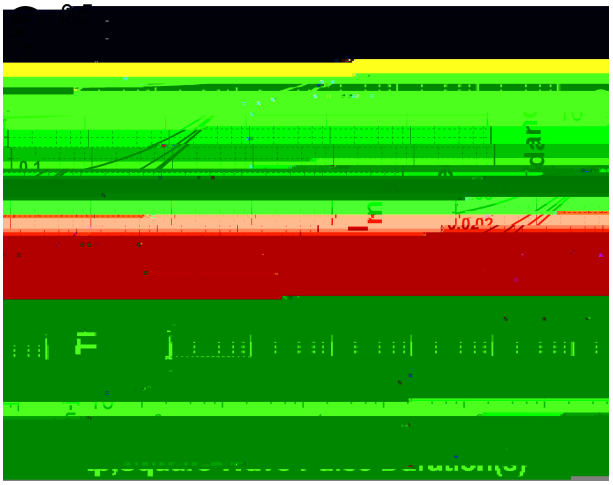


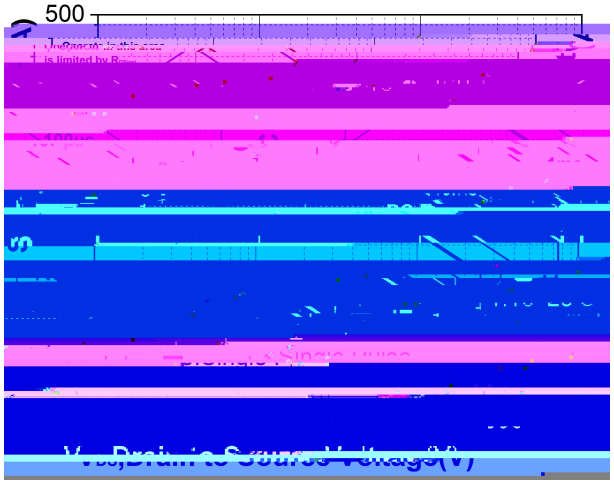


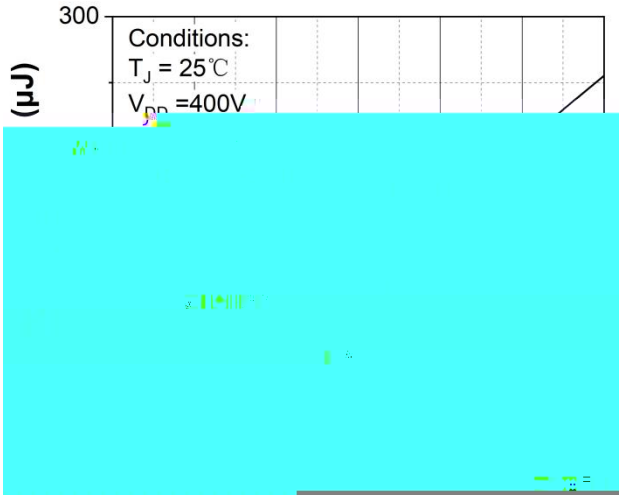
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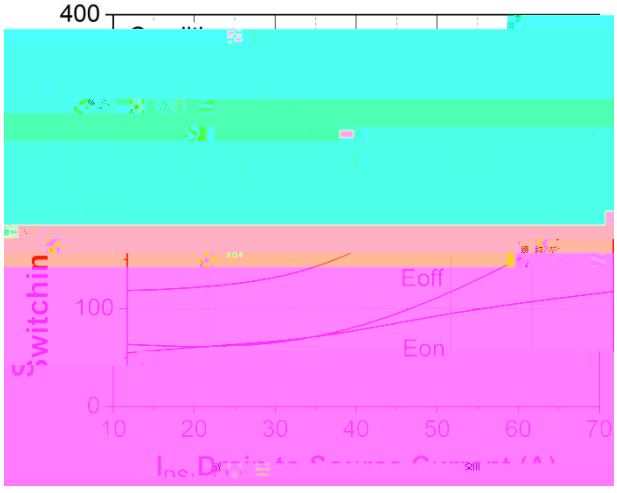




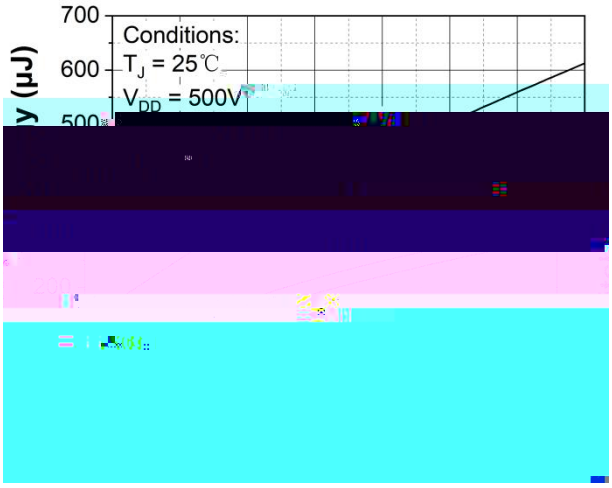


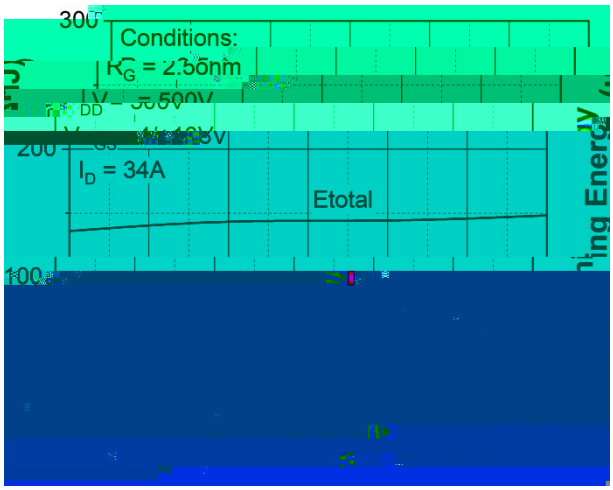


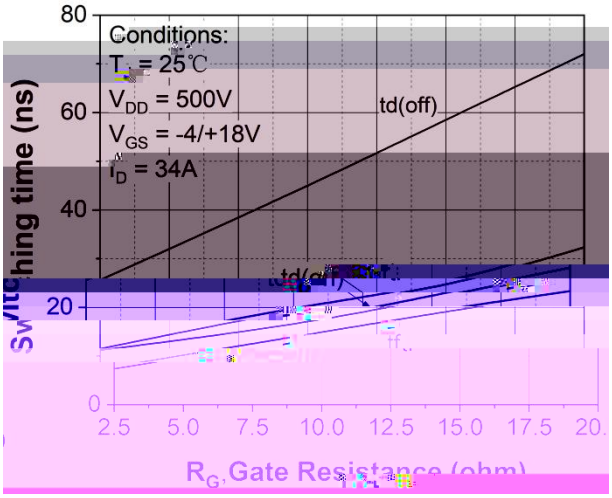




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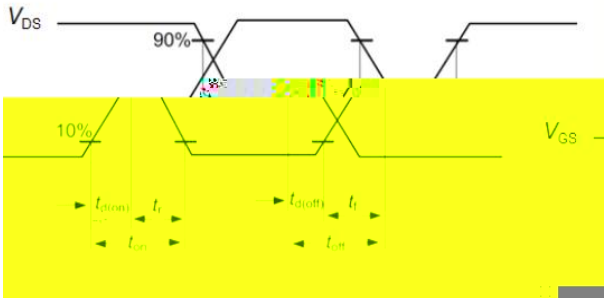


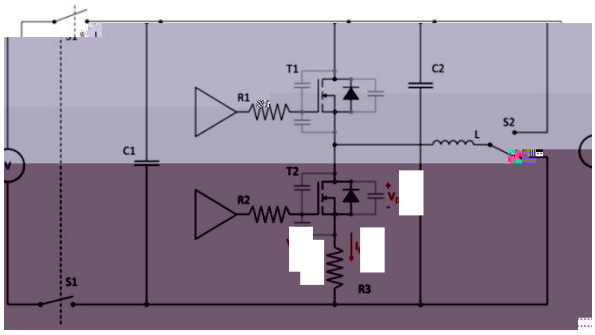


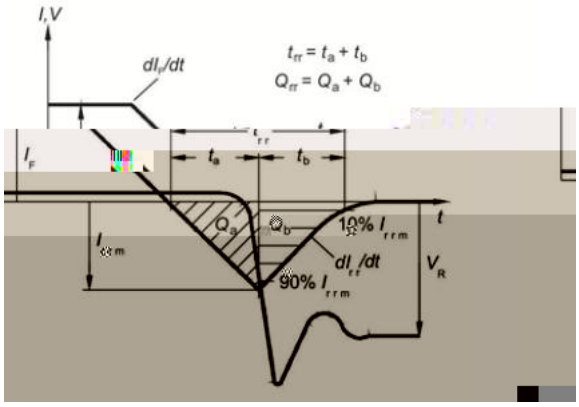


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6 Test conditions







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750V SiC Power MOSFET

Revision history

Document version	Date of release	Document stage	Description of changes
V01_00	2025-12-17	——	——
V01_01	2026-01-28	Final	——

Attention

RoHS compliance

REACH compliance

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