

S3M01A120BK

TriQSiC™ 120V Silicon Carbide MOSFET

Features

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Benefits

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S3M013120BK

S3M013120BK-A



1200V SiC Power MOSFET

1 Maximum ratings

Table 2 **Maximum rating**

Symbol	Parameter	Value	Unit	Test Conditions	Note

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1200V SiC Power MOSFET

2 Electrical characteristics

2.1 Static characteristics

Table 4 Static characteristics

Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note
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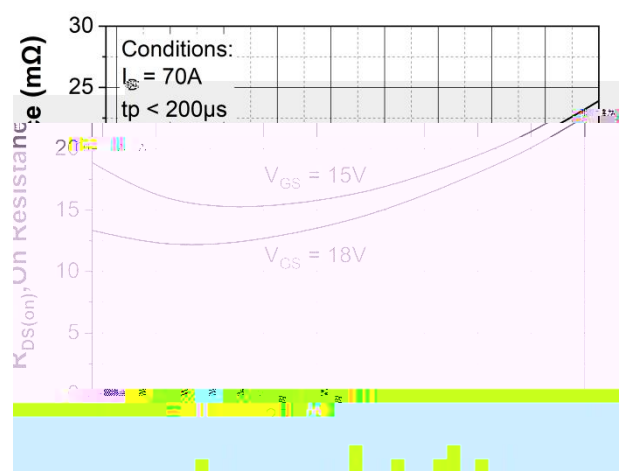
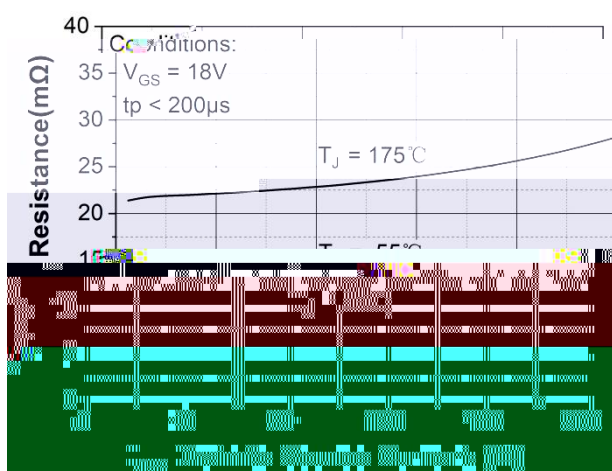
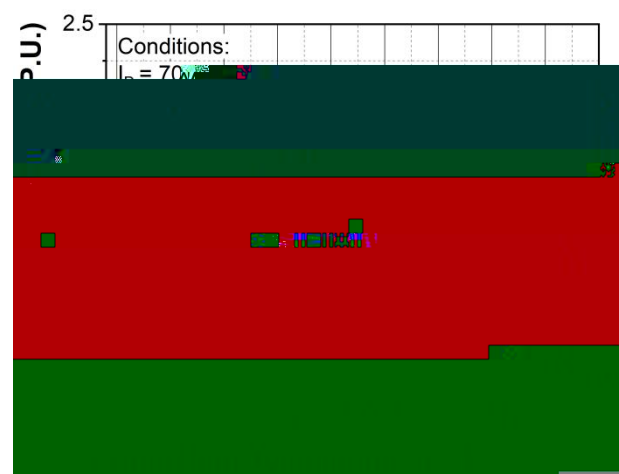
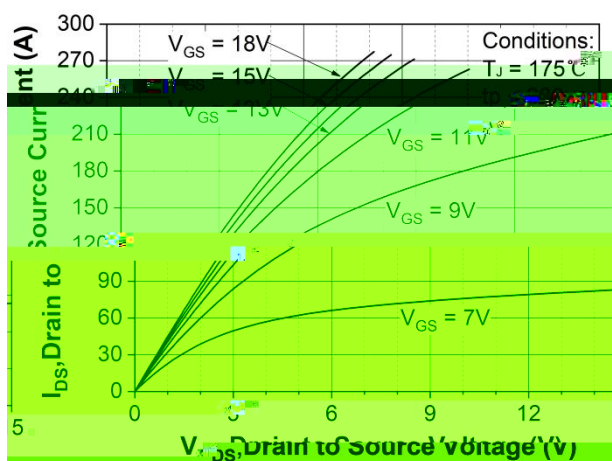
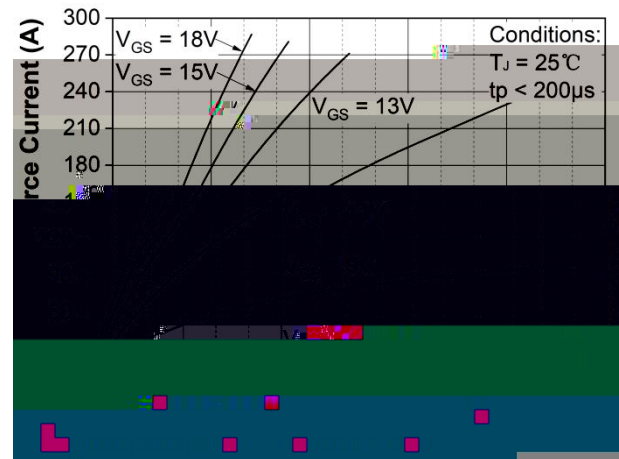
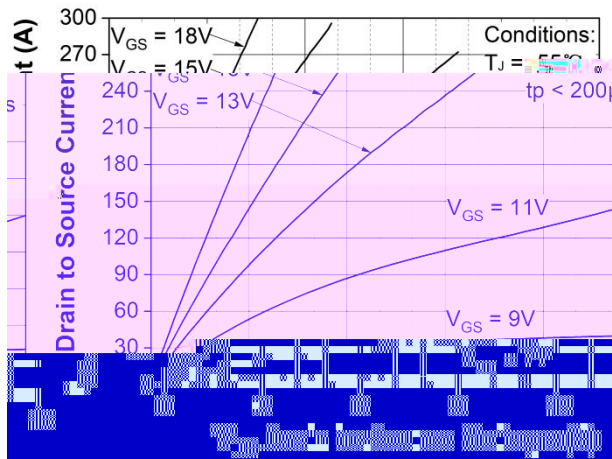
1200V SiC Power MOSFET

2.3 Switching characteristics

Table 6 Dynamic characteristics(

Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note
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3 Electrical characteristic diagrams



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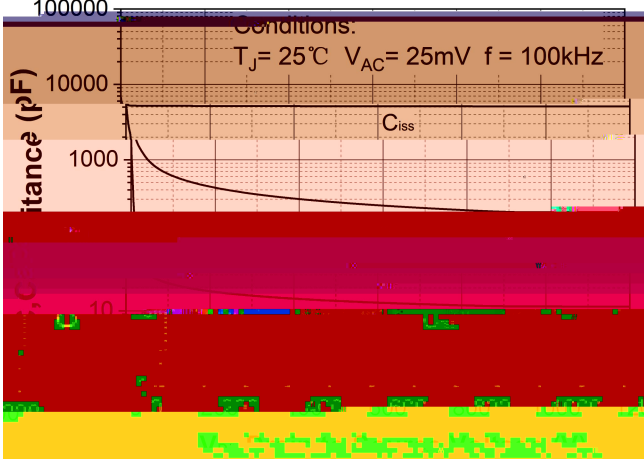
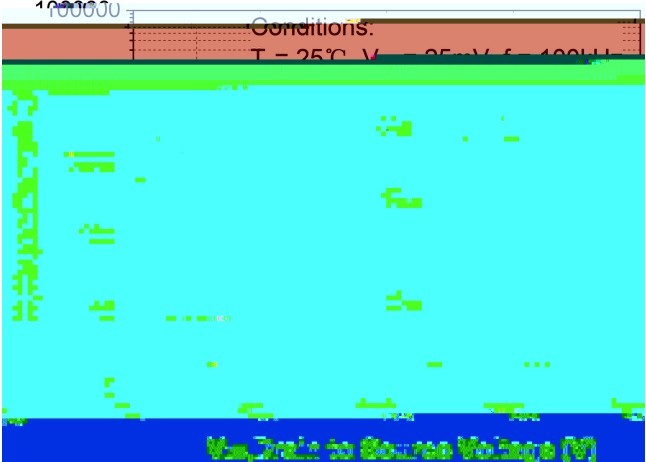
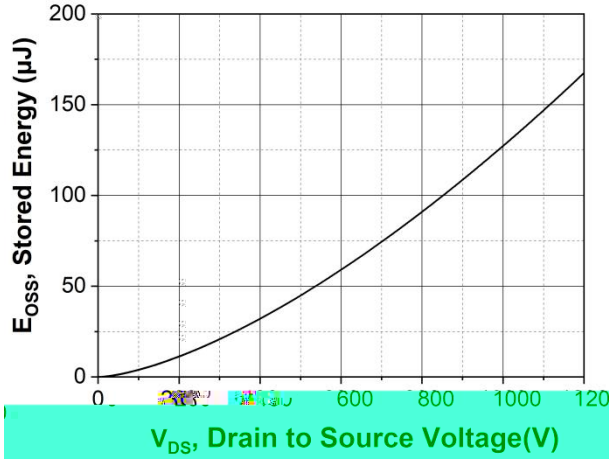
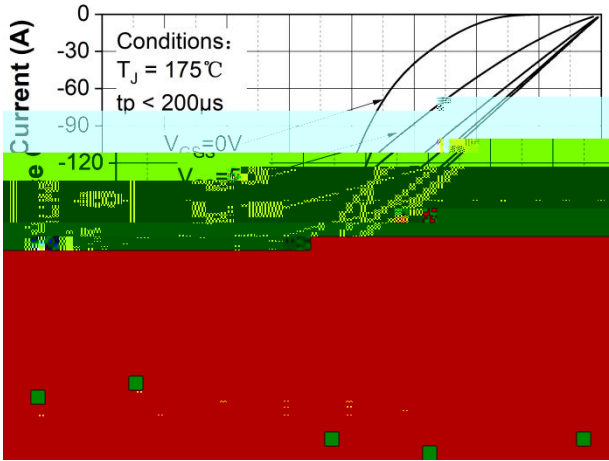
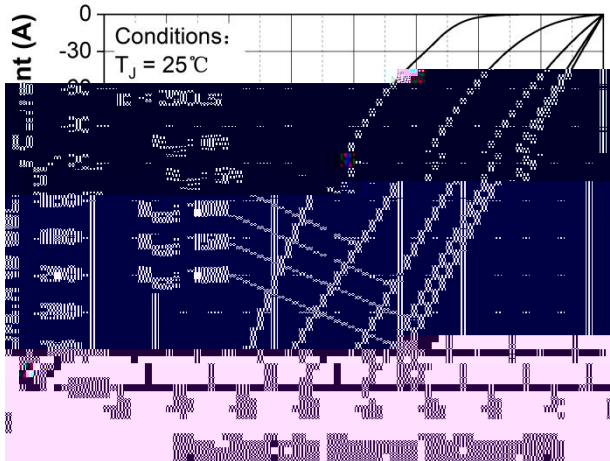
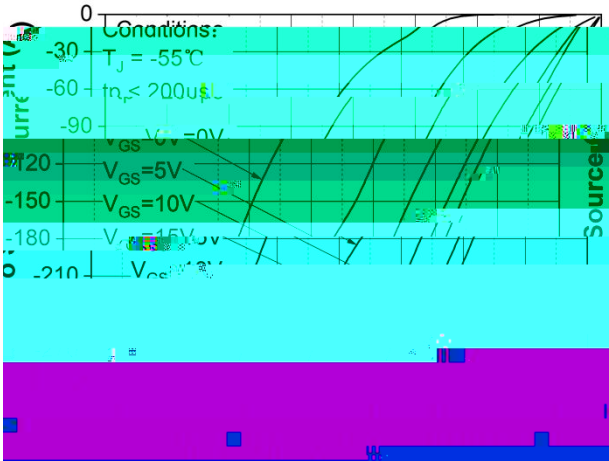
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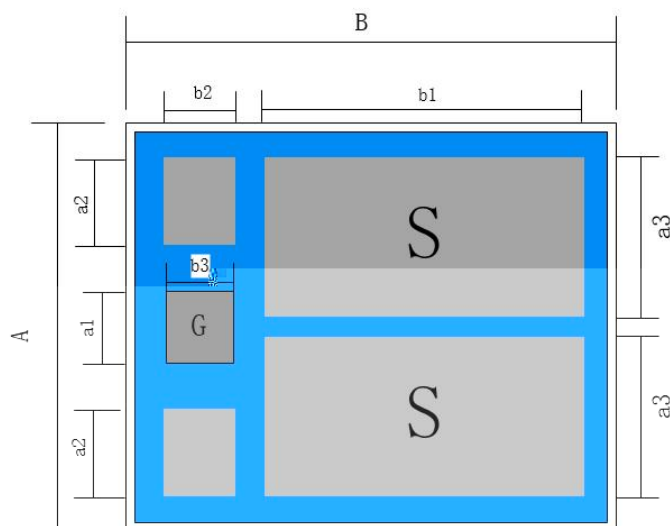


4 Mechanical parameters

4.1 Dimensions and metallization

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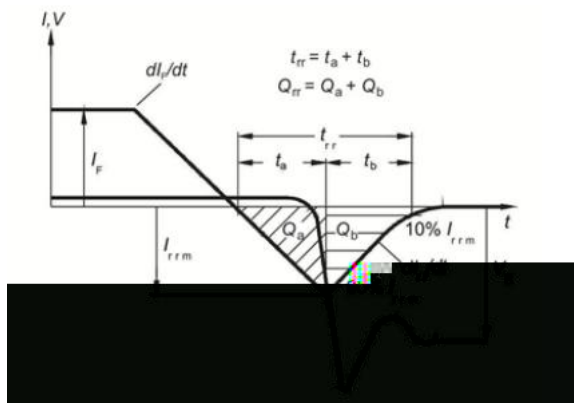
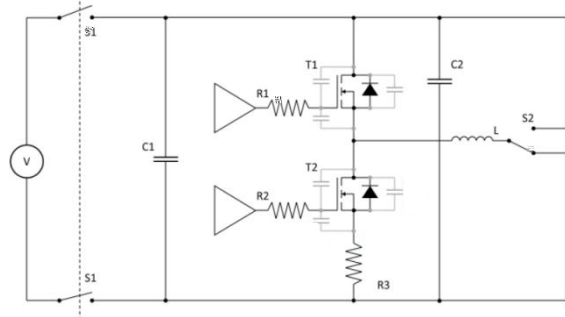
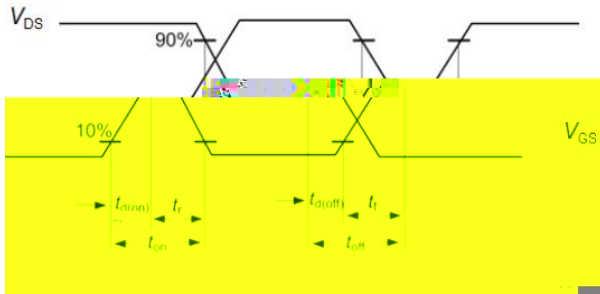
4.2 Layout

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5 Test conditions



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Revision history

Document version	Date of release	Document stage	Description of changes
V01_00	2026-06-29	Final	

Attention

RoHS compliance

REACH compliance

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