

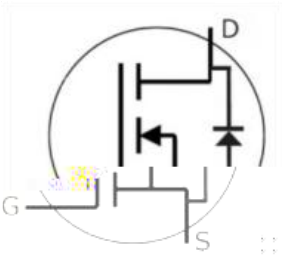
S3M013120NK-A



TriQSiC™1200V Silicon Carbide Power MOSFET G3

Features

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Benefits

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-
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Part number	Die size	W x L	mm
		*	

Applications

-
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-
-

Table 1 Key performance and package parameters

Type	V _{DS}	I _{DS} () ≤	R _{DS(on), typ} ()	T _{J,max}

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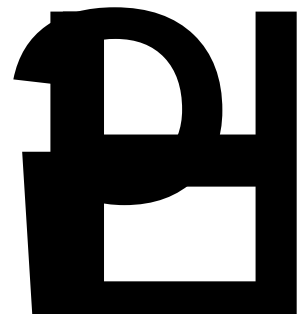
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Symbol	Parameter	Value	Unit	Test Conditions	Note
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Symbol	Parameter	Value	Unit	Test Conditions	Note
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2 Electrical characteristics

2.1 Static characteristics

Table 4 Static characteristics ()

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

2.2 Dynamic characteristics

Table 5 Dynamic characteristics ()

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

Table 6 Dynamic characteristics()

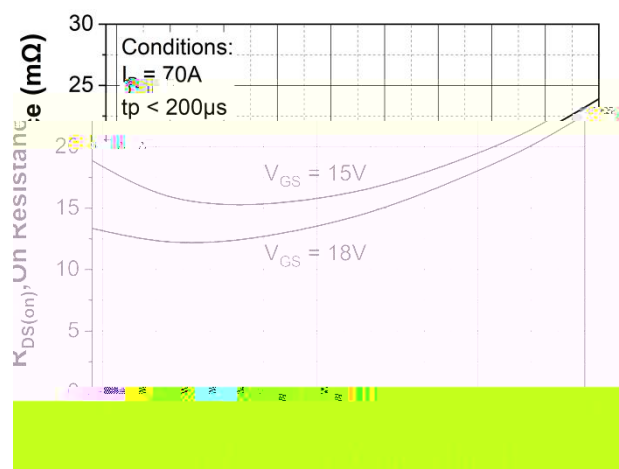
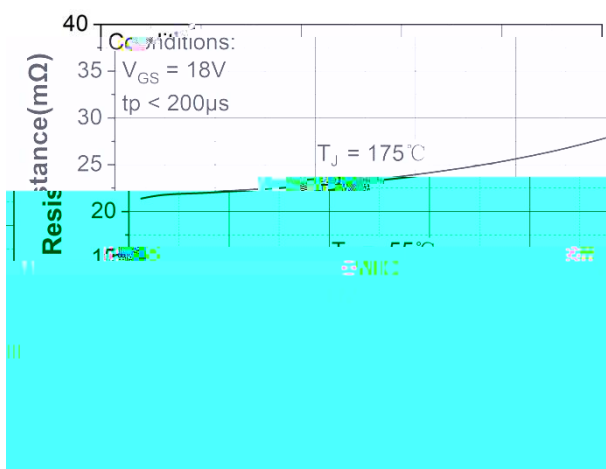
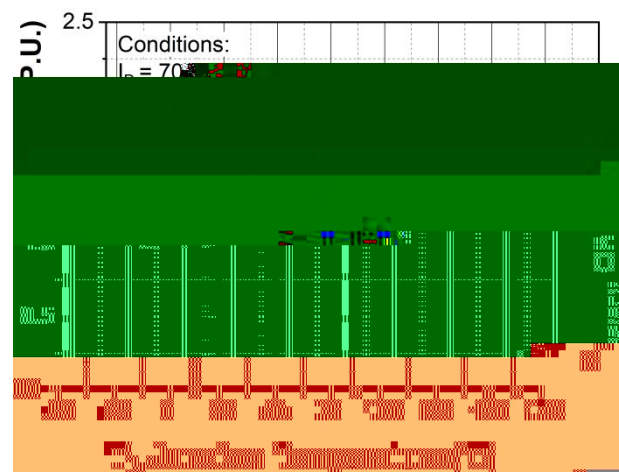
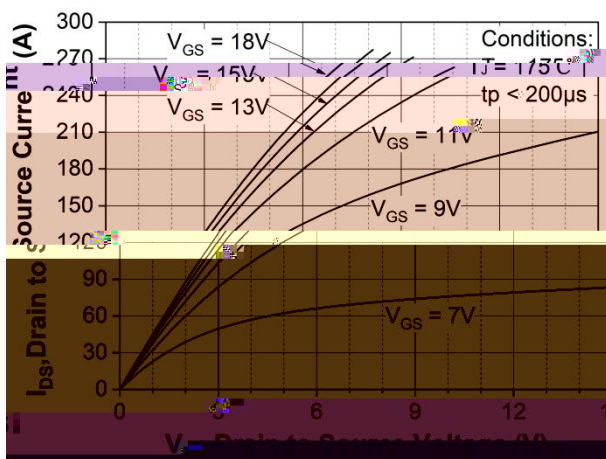
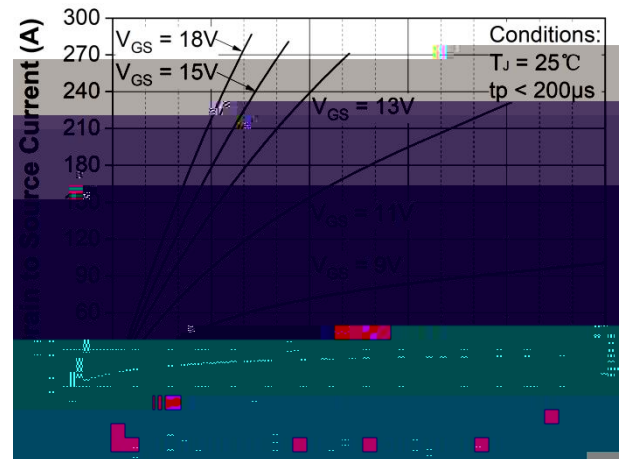
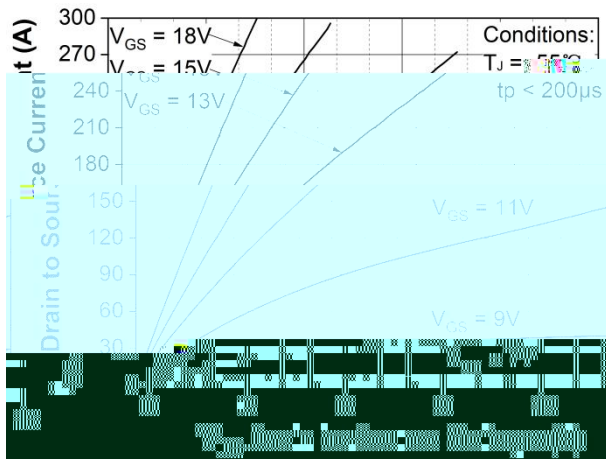
Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note
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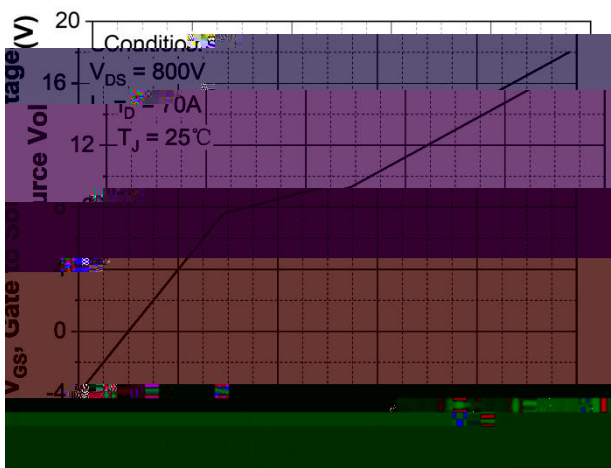
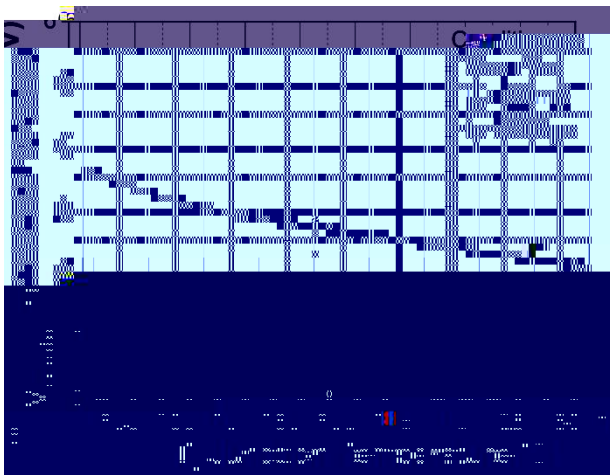
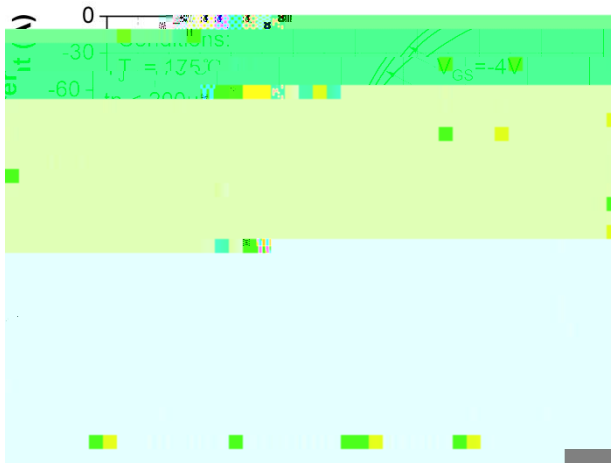
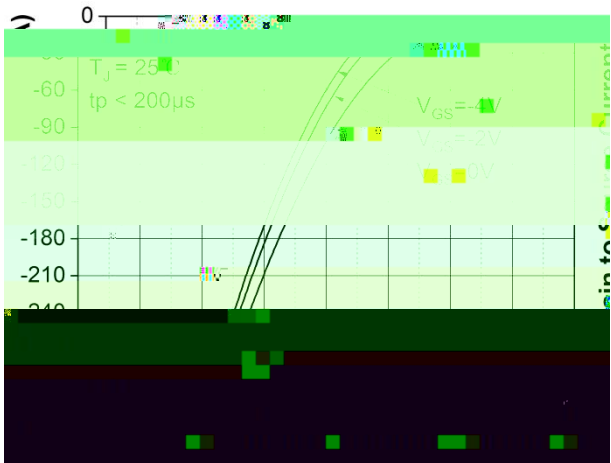
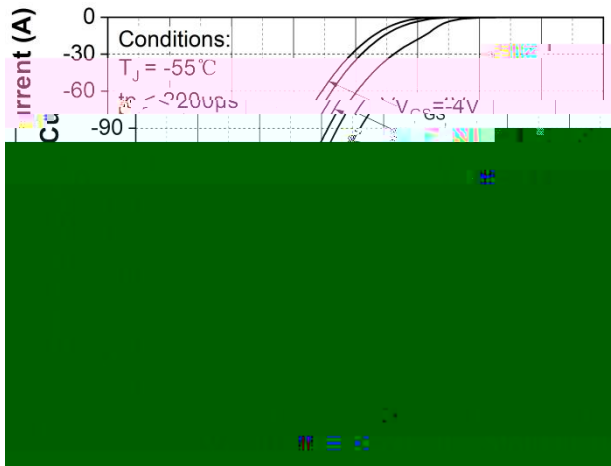
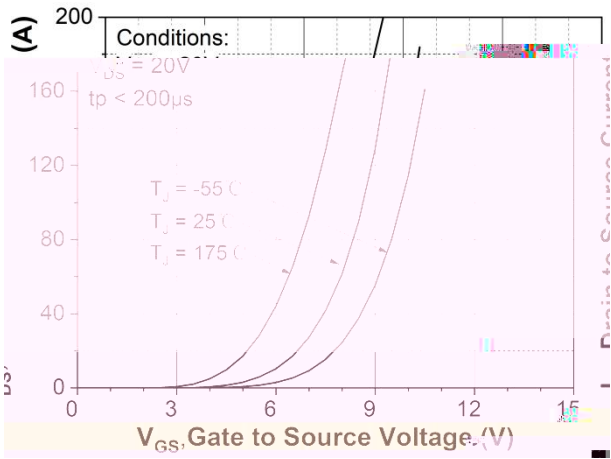


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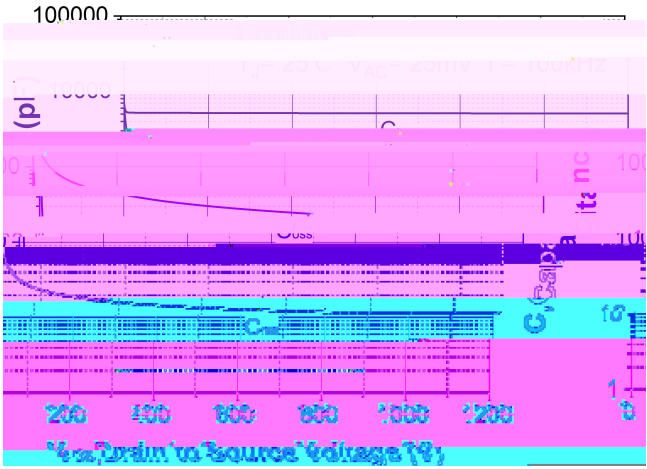
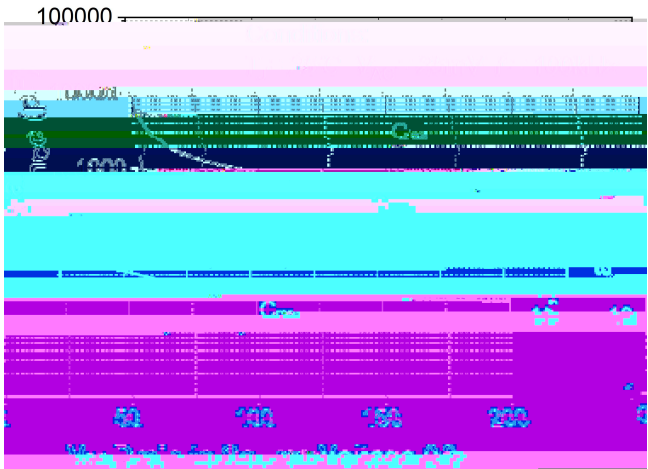
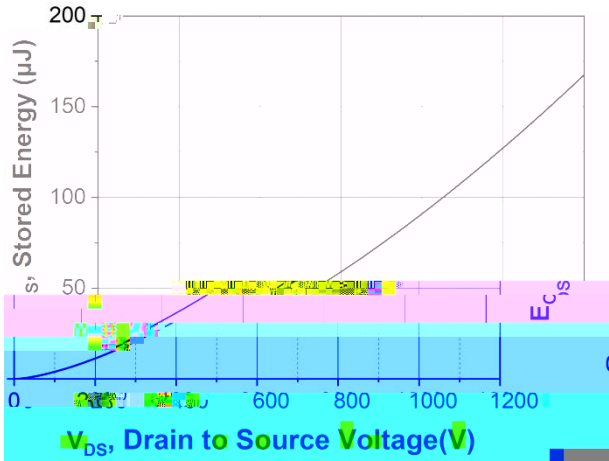
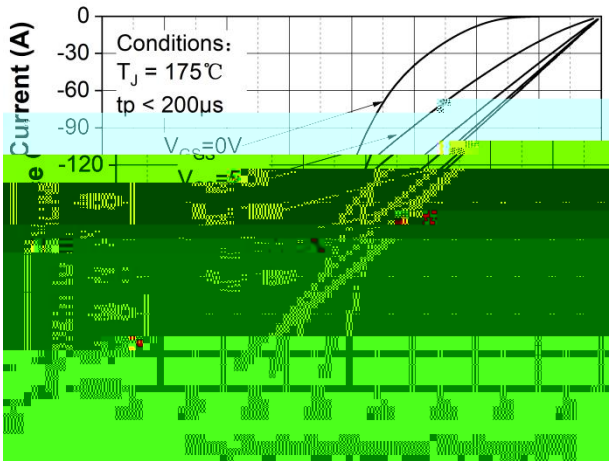
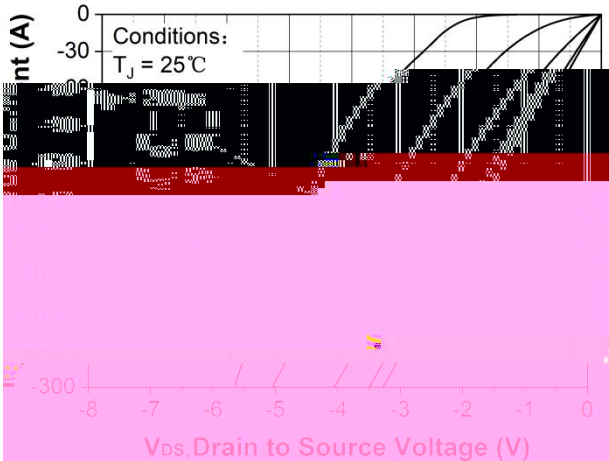
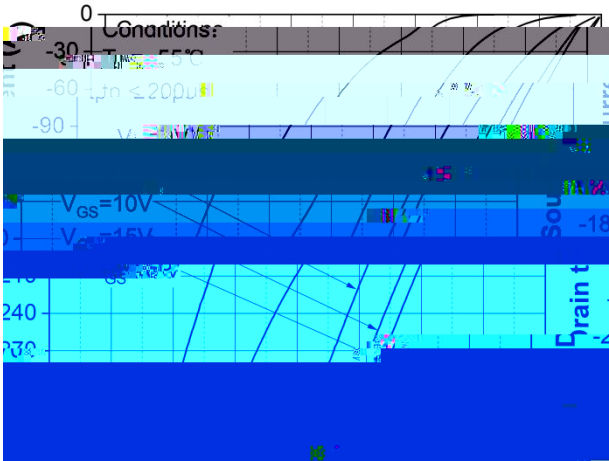
3 Electrical characteristic diagrams



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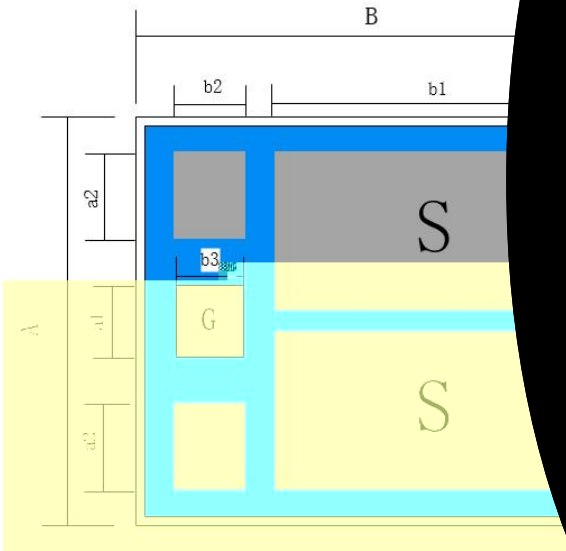
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4 Mechanical parameters

4.1 Dimensions and metallization

Parameter	Type	Unit	Metallization
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Revision history

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

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