

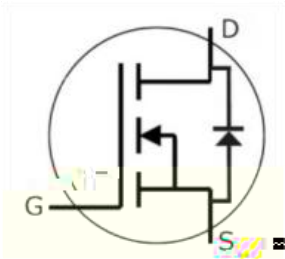
S3M008120NK-A



TriQSiC™1200V Silicon Carbide Power MOSFET G3

Features

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Benefits

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-
-
-
-

Part number	Die size	W x L	mm
		*	

Applications

-
-
-
-

Table 1 Key performance and package parameters

Type	V_{DS}	I_{DS} (() ≤ ()	$R_{DS(on), typ}$ (()	$T_{J,max}$

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1200V SiC Power MOSFET

1 Maximum ratings

Table 2 Maximum rating ()

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
()							
()							
()							

2.2 Dynamic characteristics

Table 5 Dynamic characteristics ()

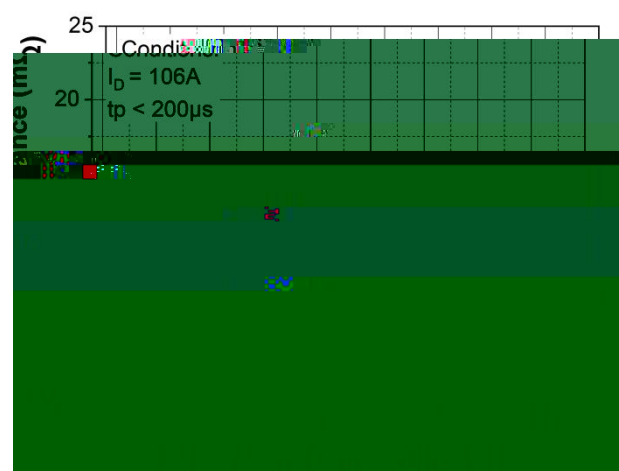
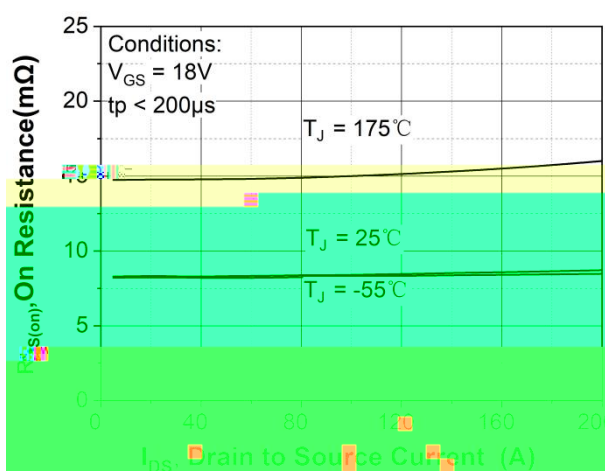
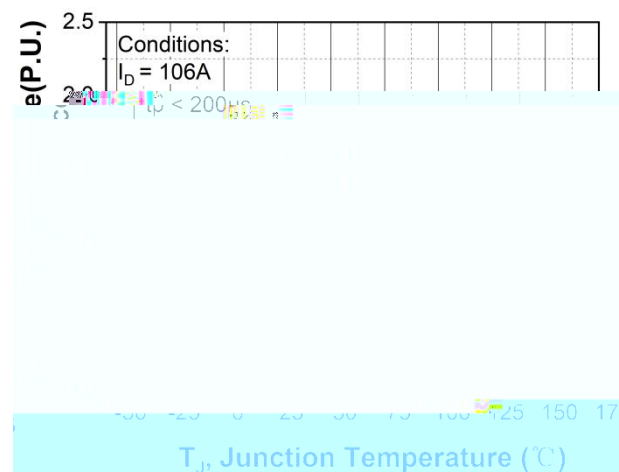
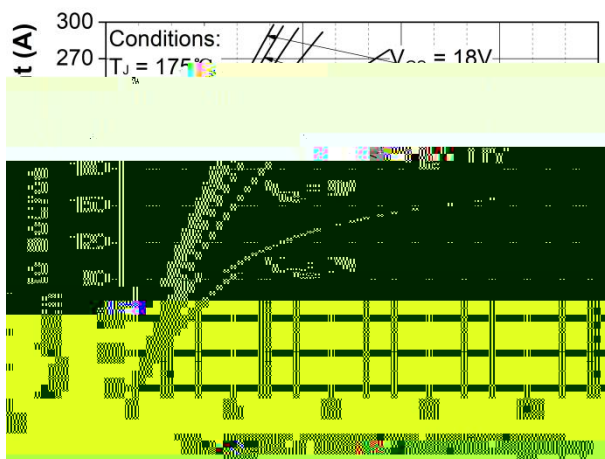
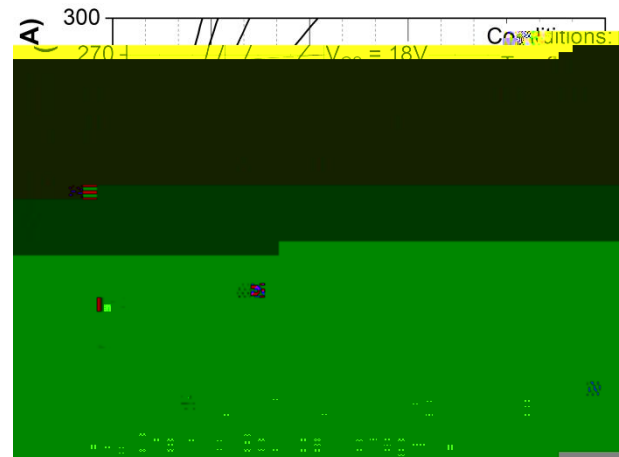
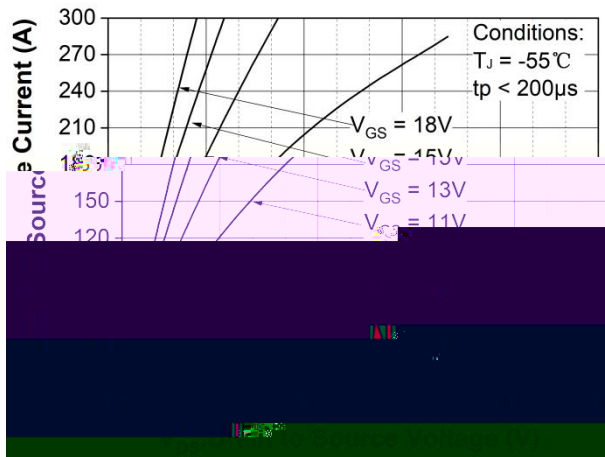
Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note

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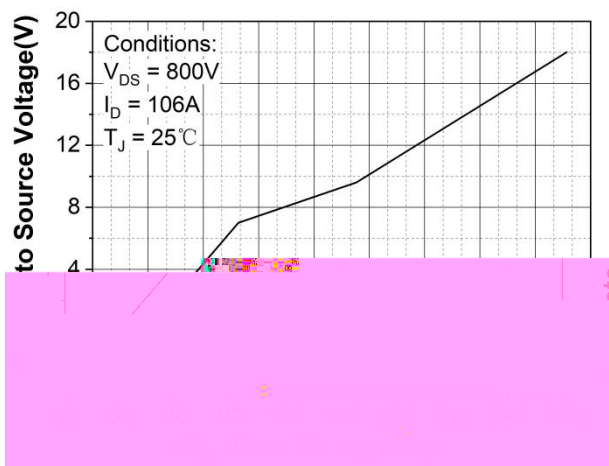
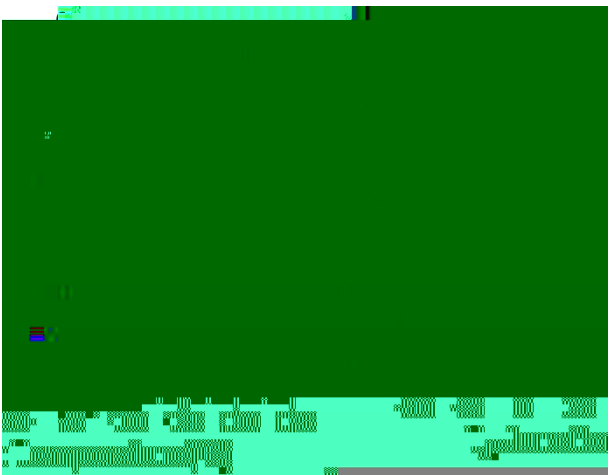
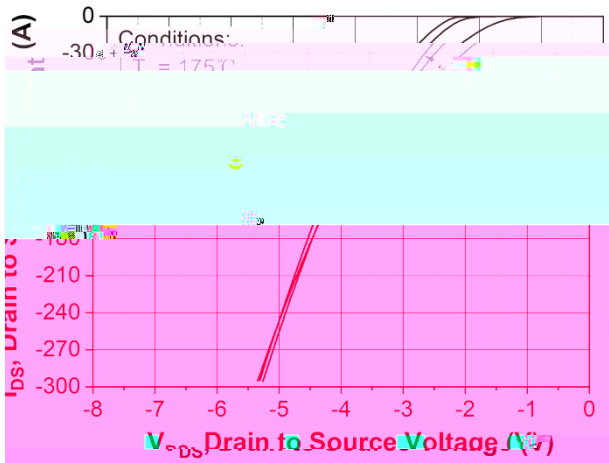
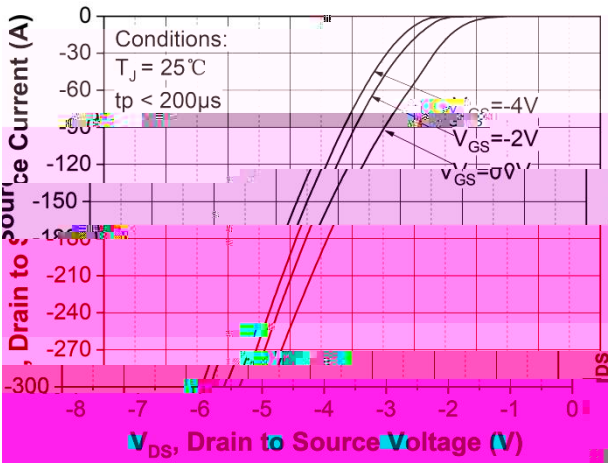
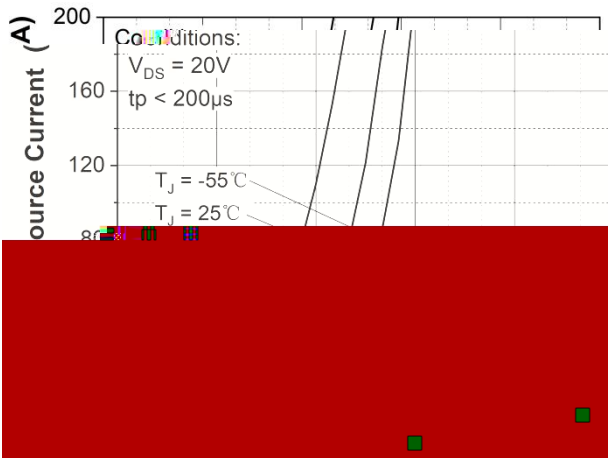


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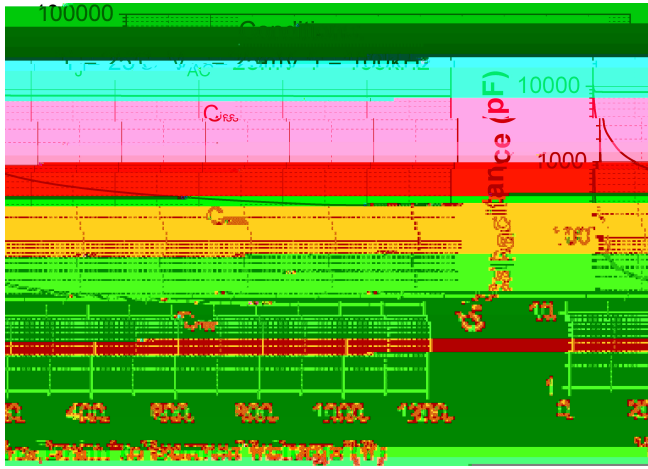
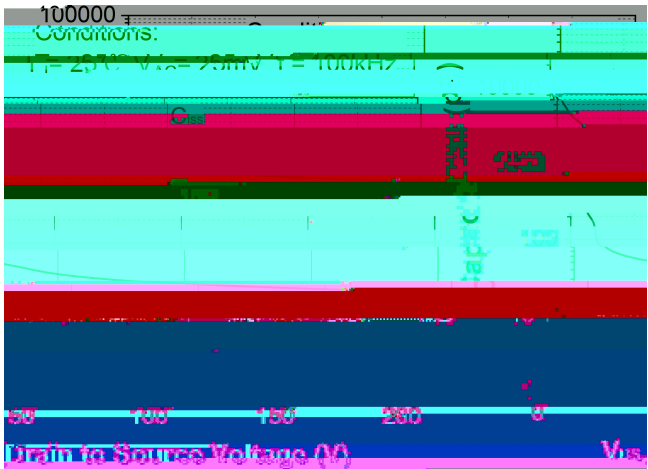
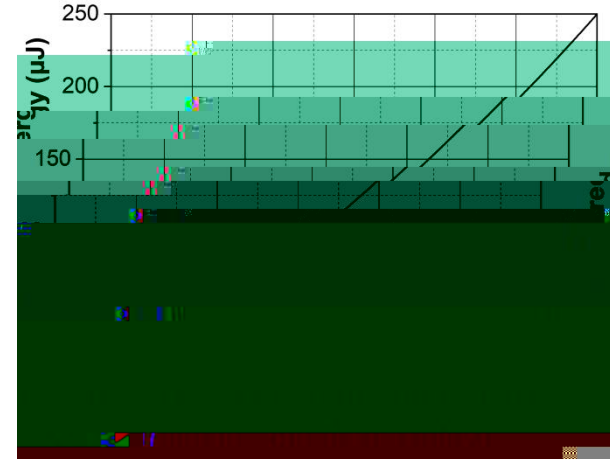
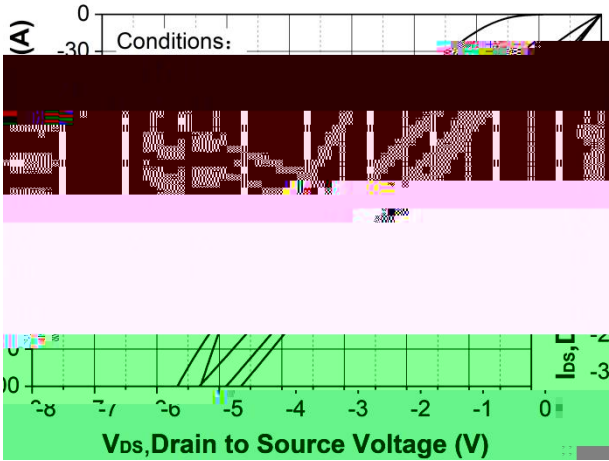
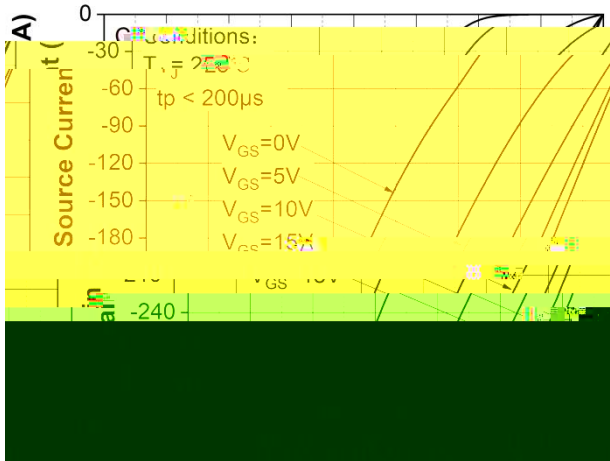
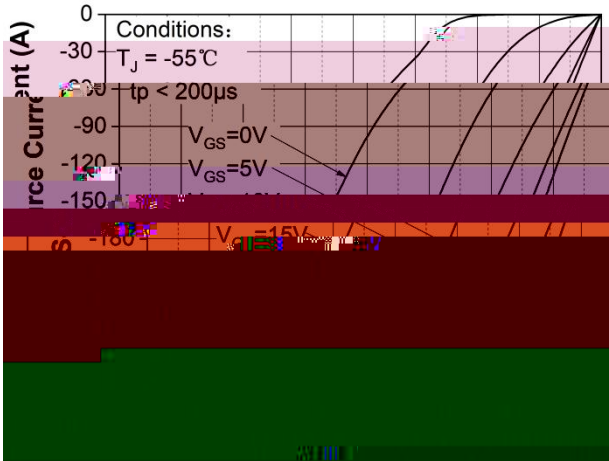
3 Electrical characteristic diagrams



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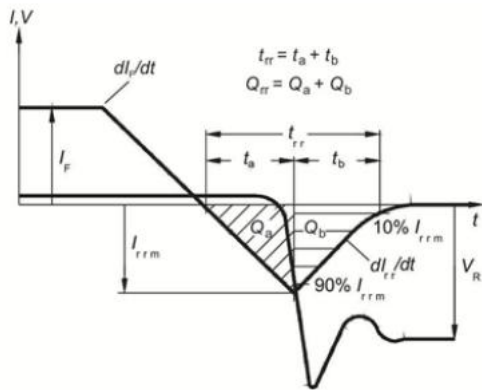
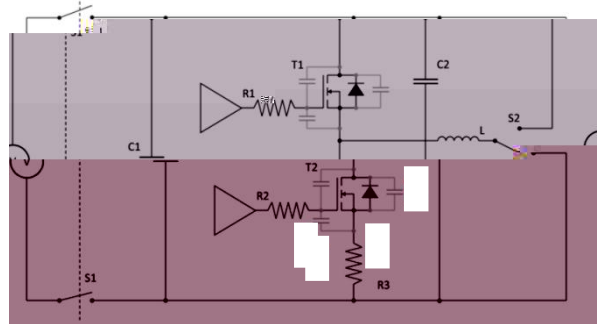
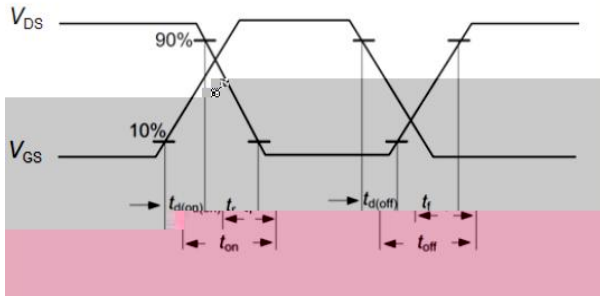


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5 Test conditions



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Revision history

Document version	Date of release	Document stage	Description of changes
V01_00	2026-06-26	Final	

Attention

RoHS compliance

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REACH compliance

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