

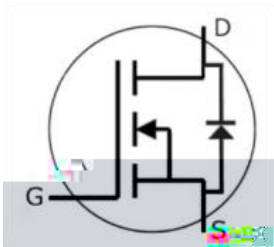
S3M010120RK-A



TriQSiC™1200V Silicon Carbide Power MOSFET G3

Features

-
-
-
-
-



Benefits

-
-
-
-
-

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}

Table of contents

Features	1
Benefits	1
Applications	1
Table of contents	2
1 Maximum ratings	3
2 Electrical characteristics	4
2.1 Static characteristics	4
2.2 Dynamic characteristics	4
2.3 Switching characteristics	5
3 Electrical characteristic diagrams	6
4 Mechanical parameters	9
4.1 Dimensions and metallization	9
4.2 Layout	9
5 Test conditions	10
Revision history	11
Attention	11

S3M010120RK-A

1200V SiC Power MOSFET

1 Maximum ratings

Table 2 Maximum rating

Symbol	Parameter	Value	Unit	Test Conditions	Note
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Table 4 Static characteristics

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

Table 5 **Dynamic characteristics**

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

S3M010120RK-A



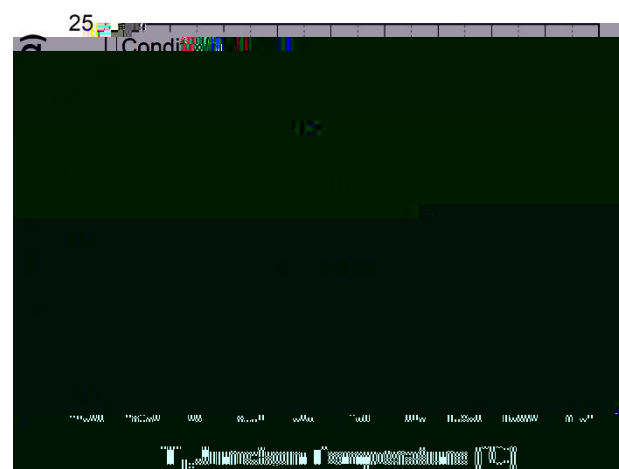
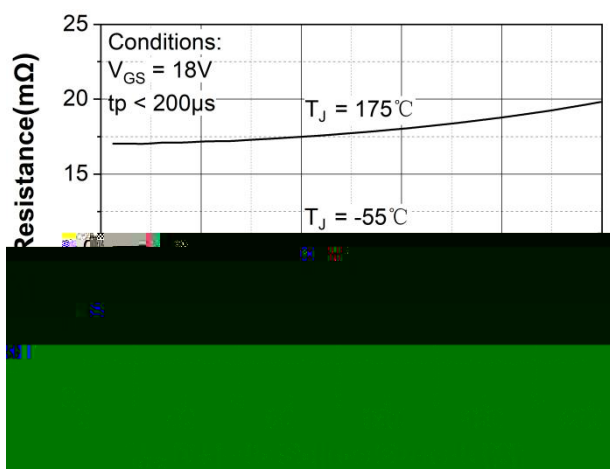
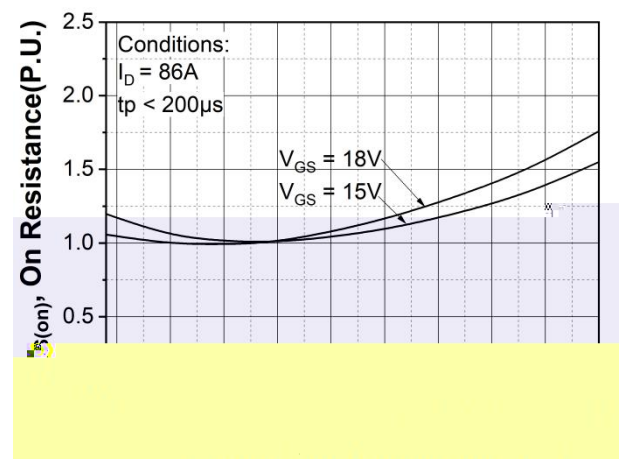
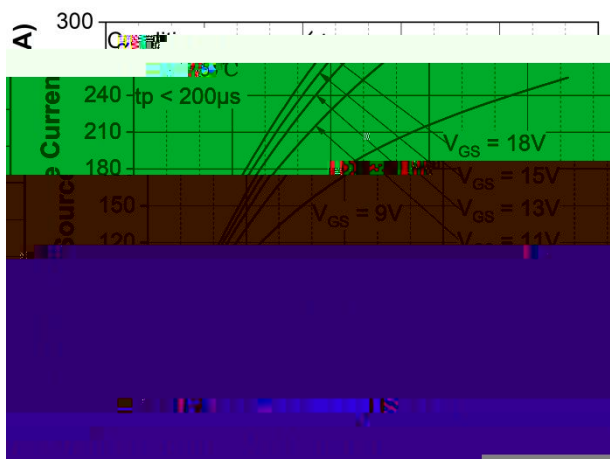
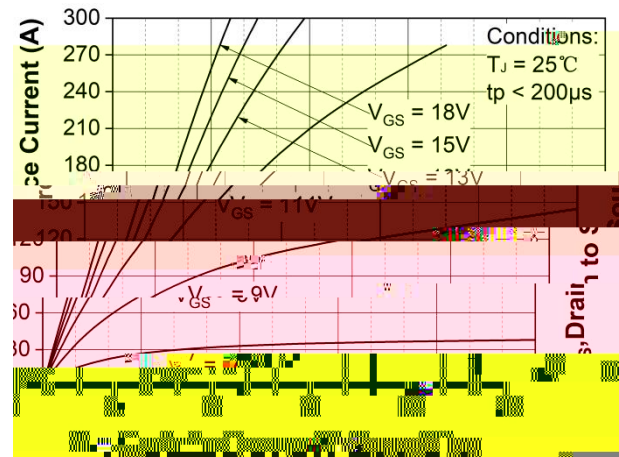
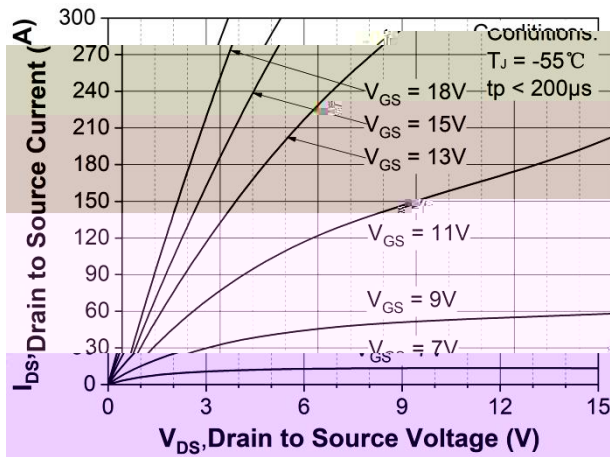
1200V SiC Power MOSFET

S3M010120RK-A

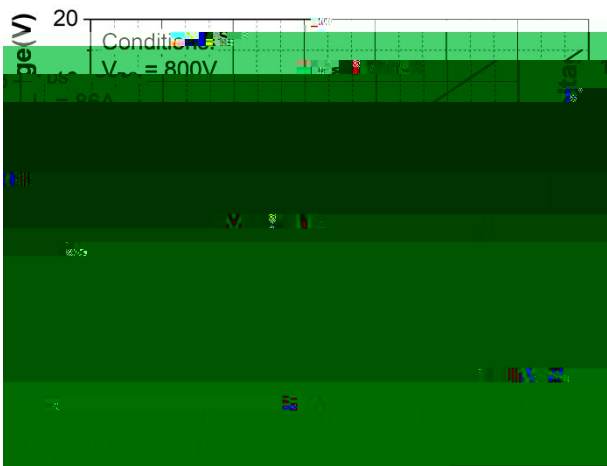
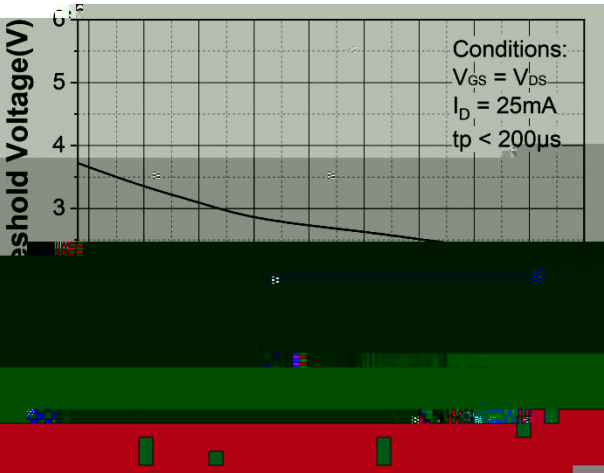
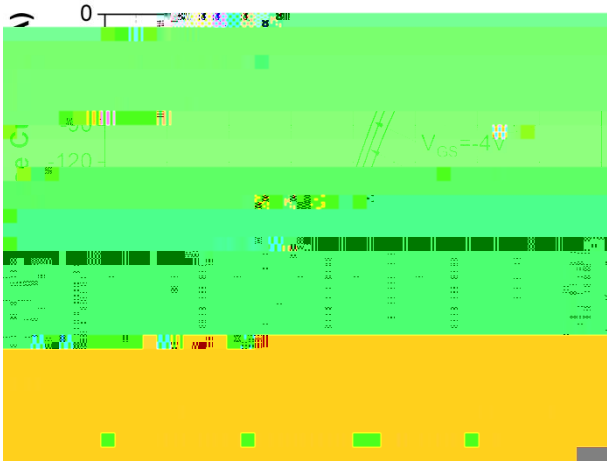
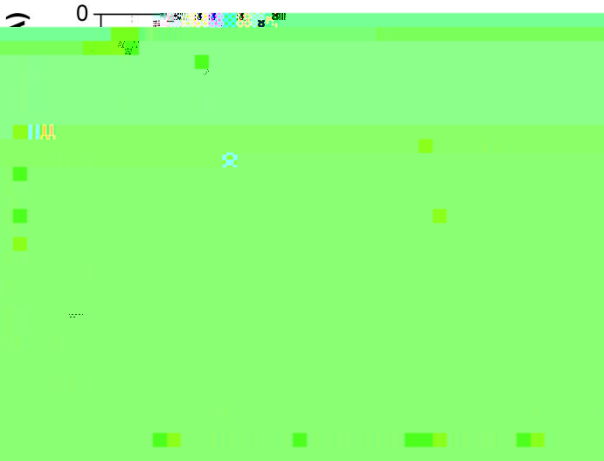
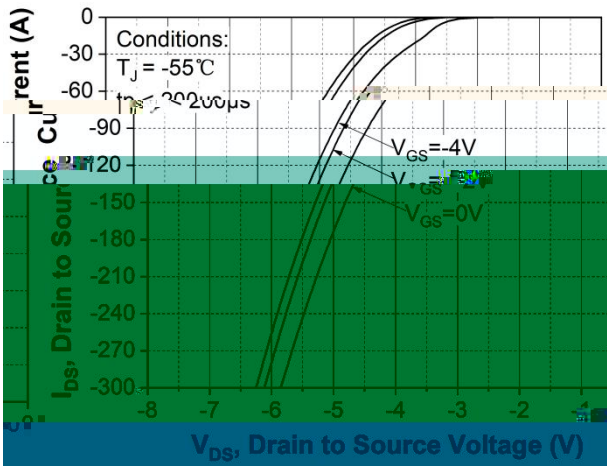
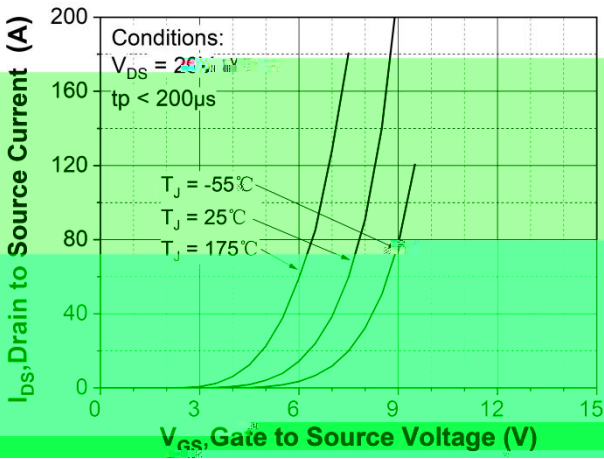


1200V SiC Power MOSFET

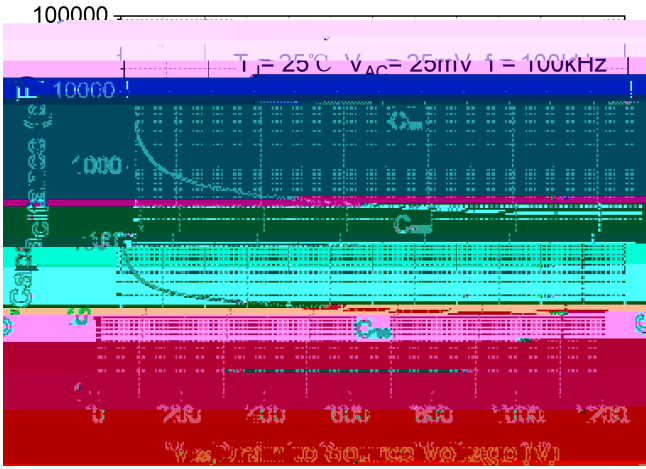
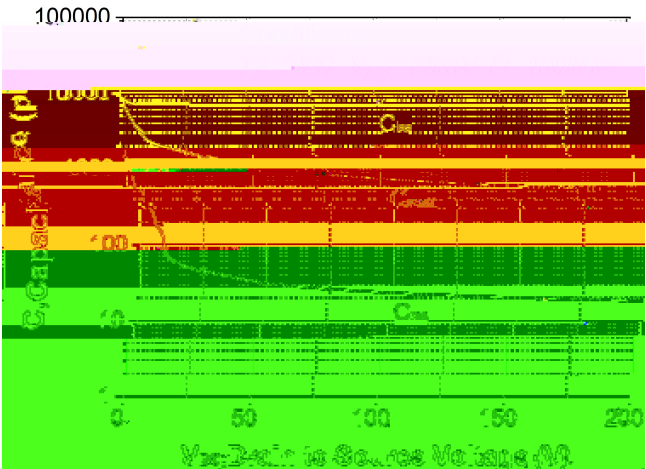
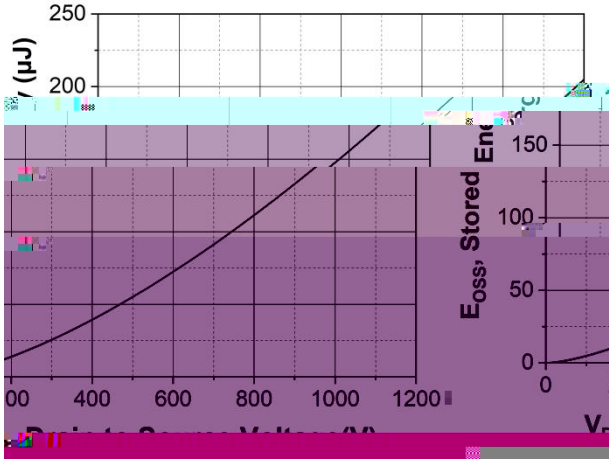
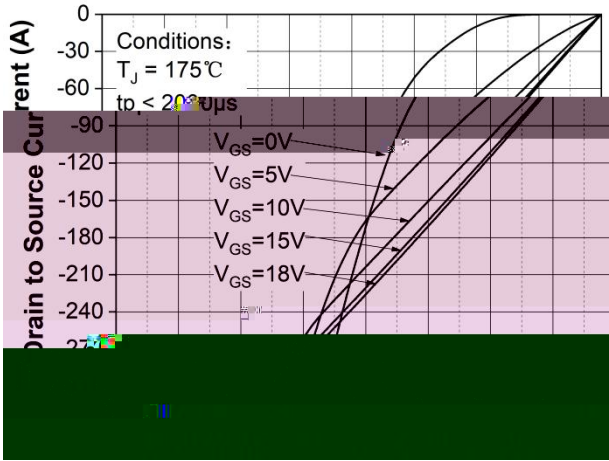
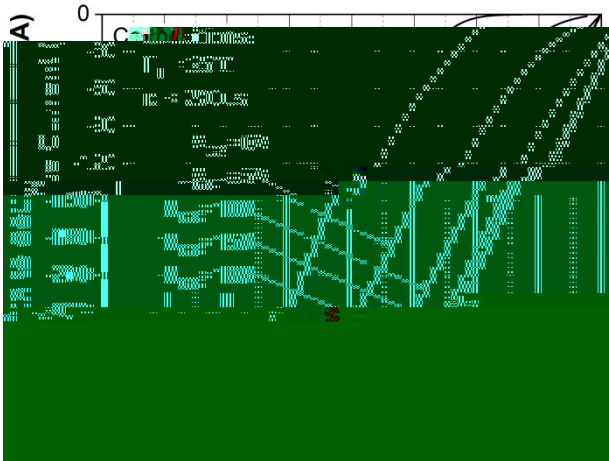
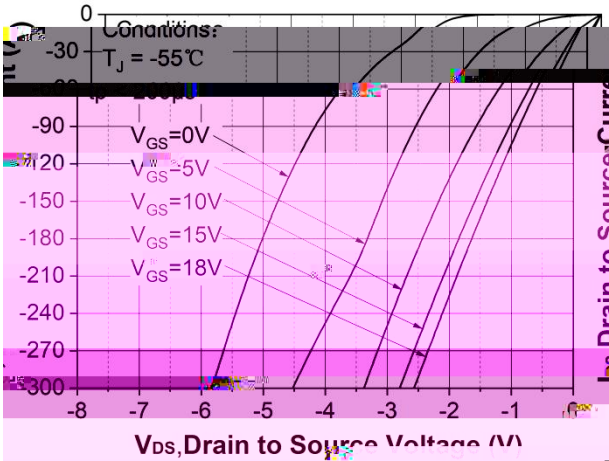
3 Electrical characteristic diagrams



S3M010120RK-A



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4 Mechanical parameters

[illegible]

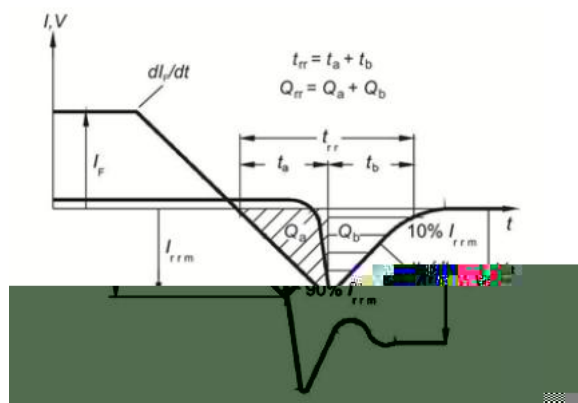
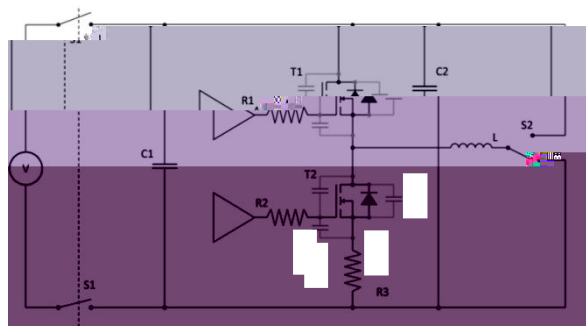
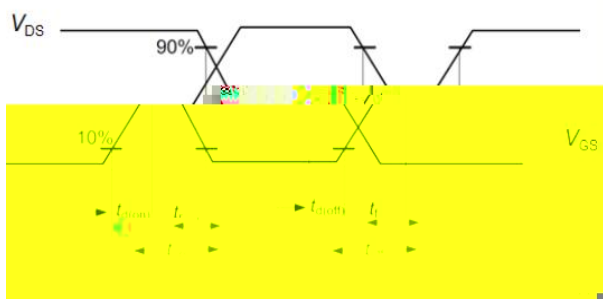
A diagram of a rectangular layout with dimensions and labels. The overall width is labeled B and the overall height is labeled A . The layout consists of a blue border and several gray rectangular regions. The regions are labeled S (two large regions) and G (one small region). The dimensions of the regions are labeled $a1$, $a2$, $b1$, $b2$, and $b3$. The regions S and G are arranged in a grid-like pattern within the blue border.

[illegible]

S3M010120RK-A

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5 Test conditions



S3M010120RK-A

1200V SiC Power MOSFET



Revision history

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

Attention

RoHS compliance

REACH compliance

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