SG2M012075BJ

TriQSiC™ 750V Silicon Carbide Power MOSFET G2

Features

-
-
-
-

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**

1 Maximum ratings

Table 2 Maximum rating

Symbol	Parameter	Value	Unit	Test Conditions	Note
				≤	

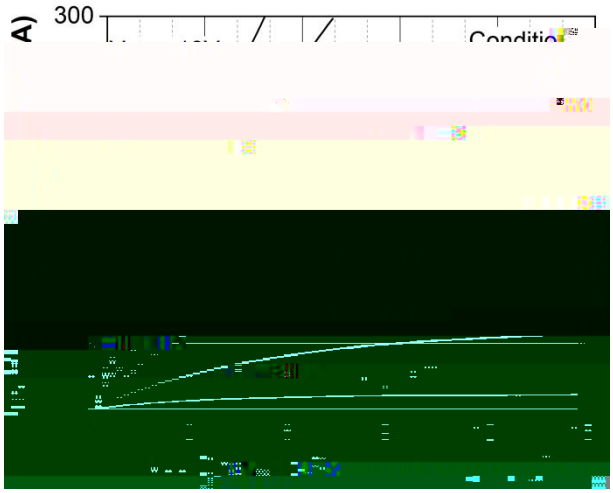
2 Electrical characteristics

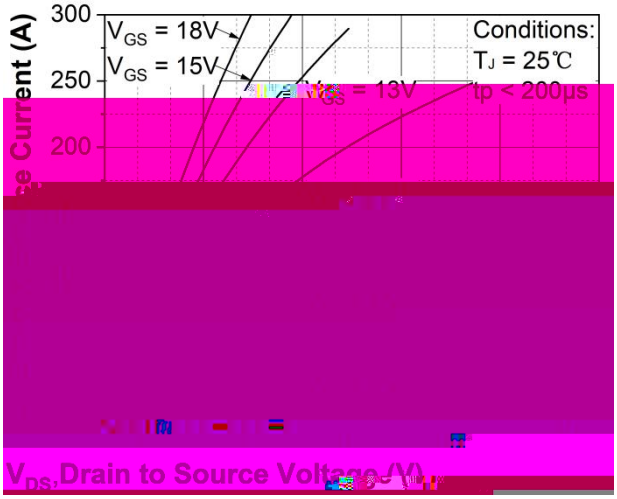
2.1 Static characteristics

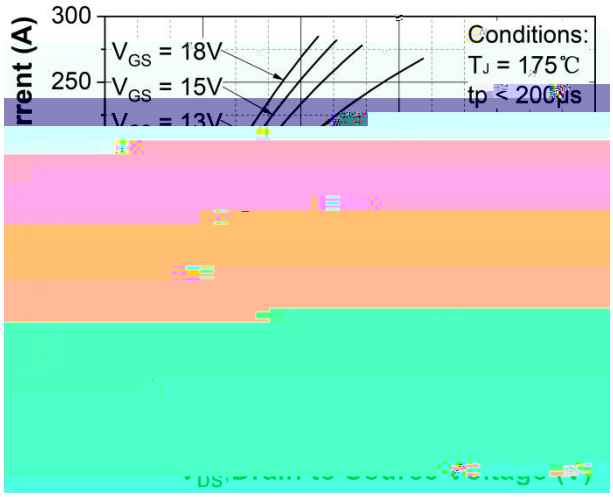
Table 3 Static characteristics

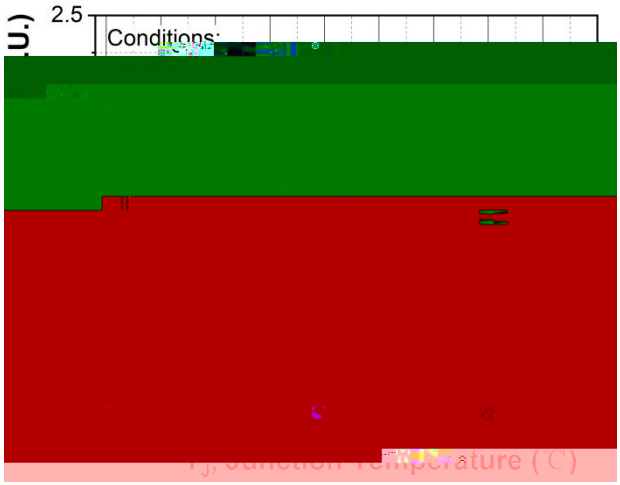
SG2M012075BJ

3 Electrical characteristic diagrams

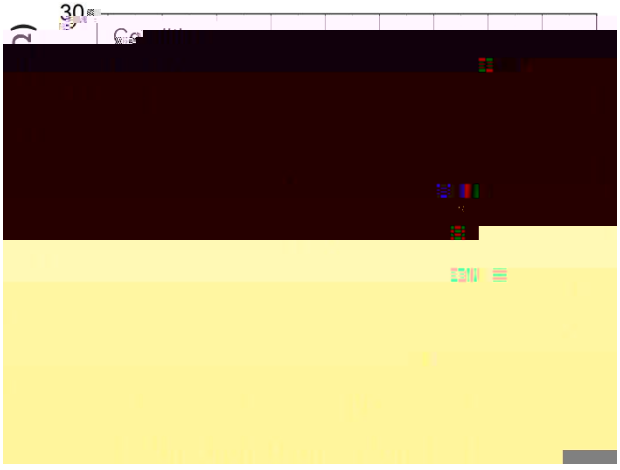




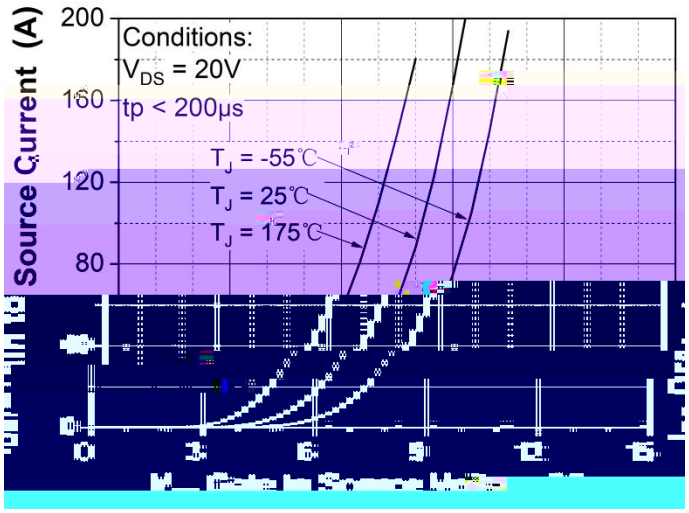


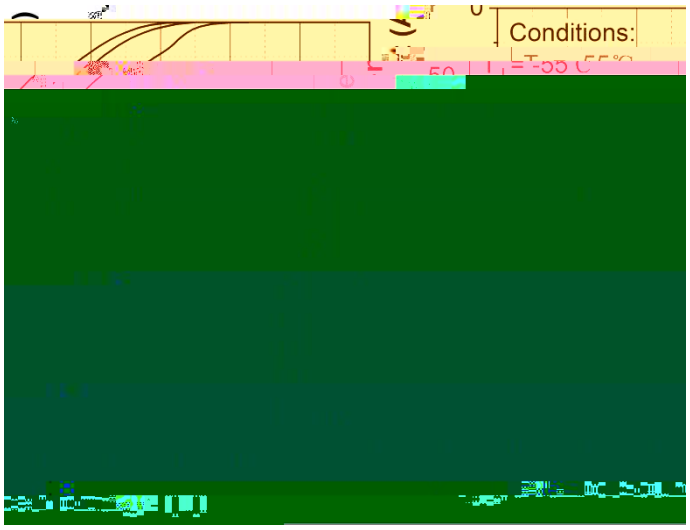


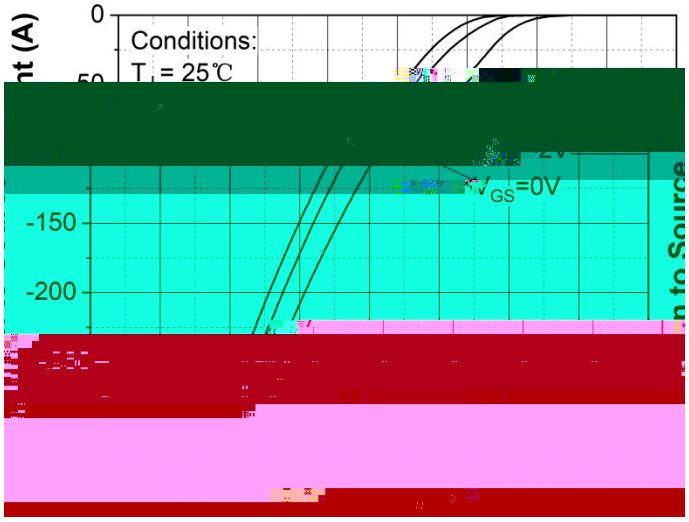


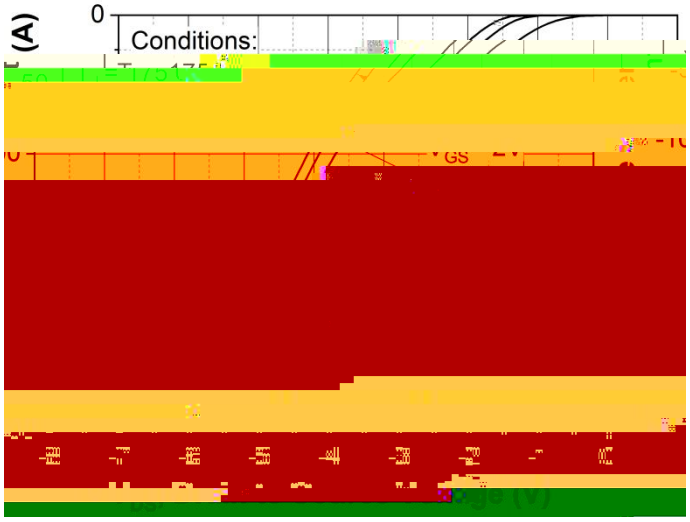


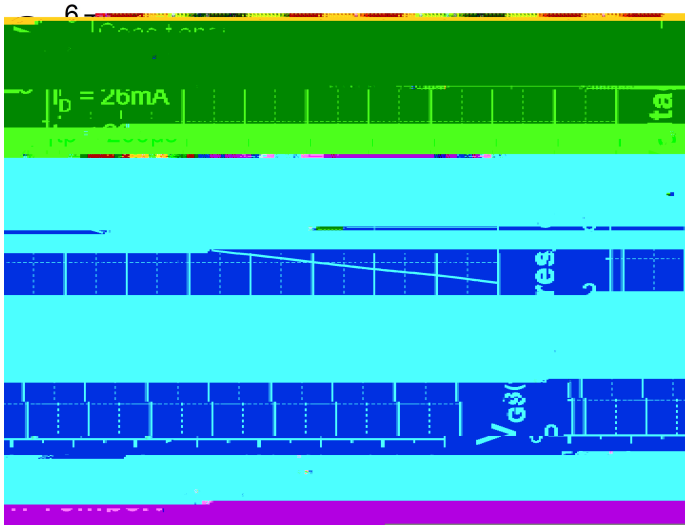
SG2M012075BJ

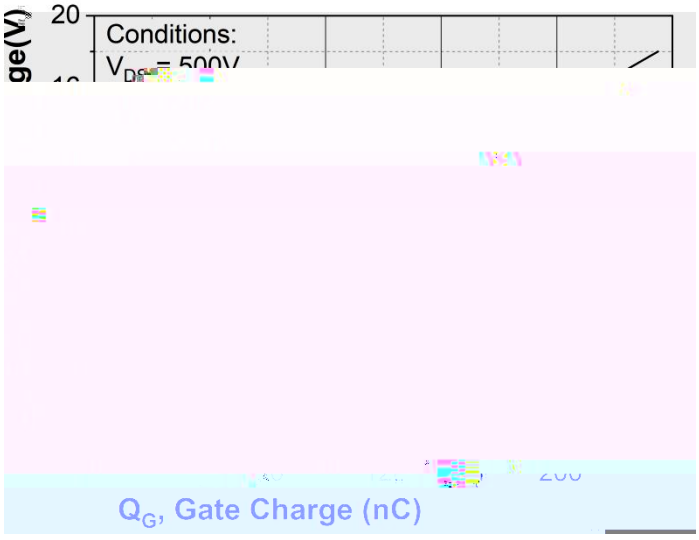




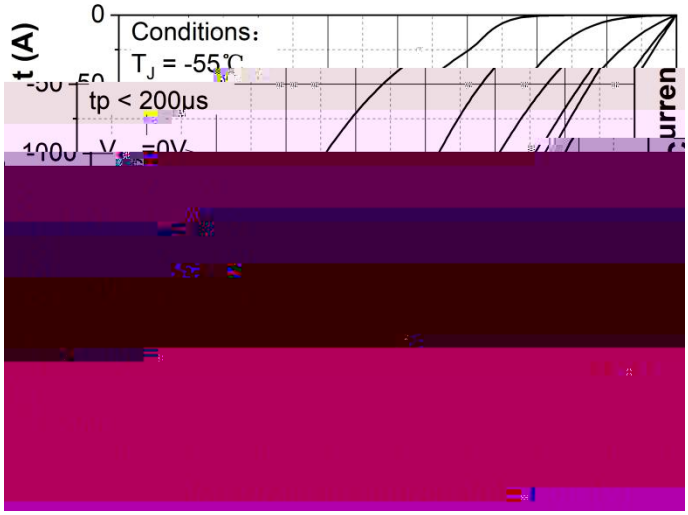


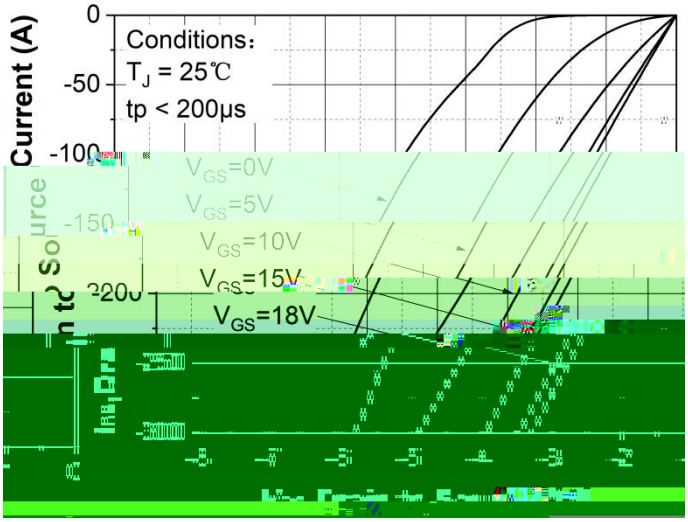


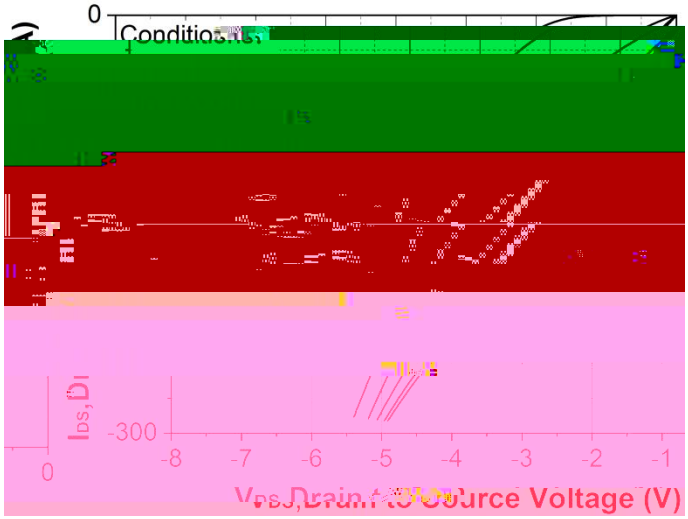


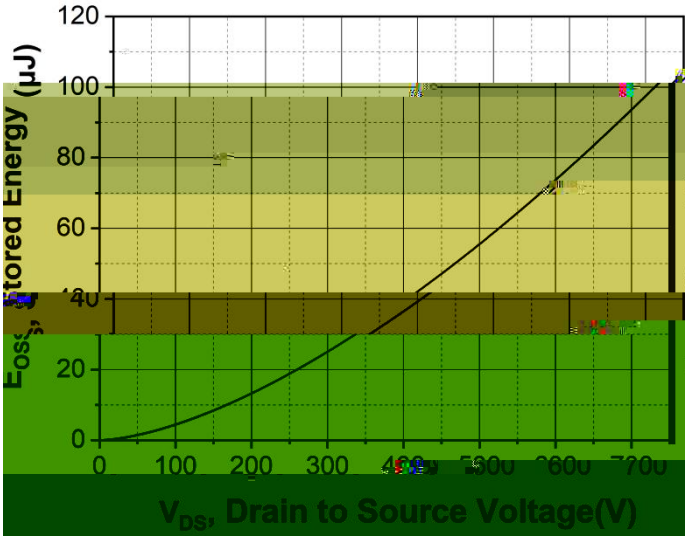


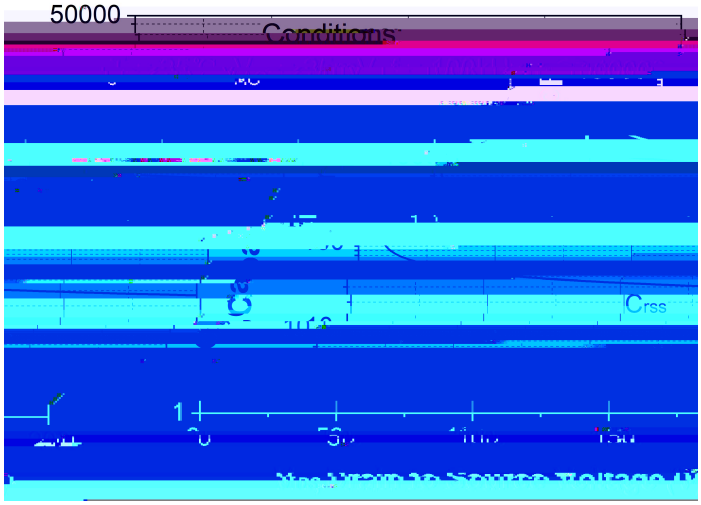
SG2M012075BJ

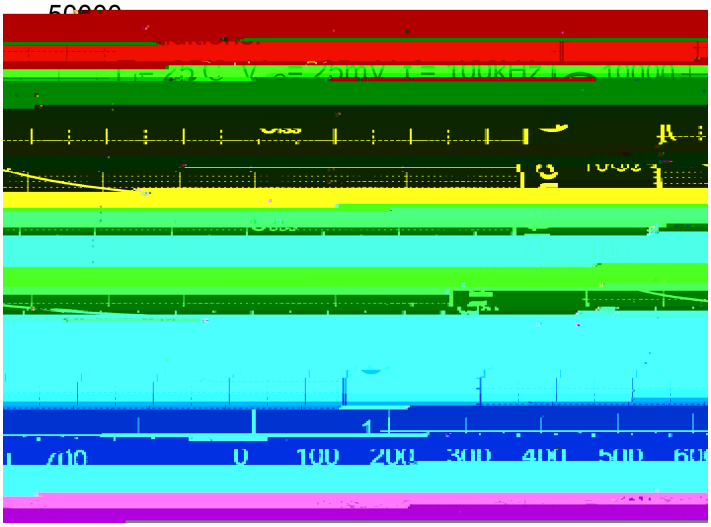












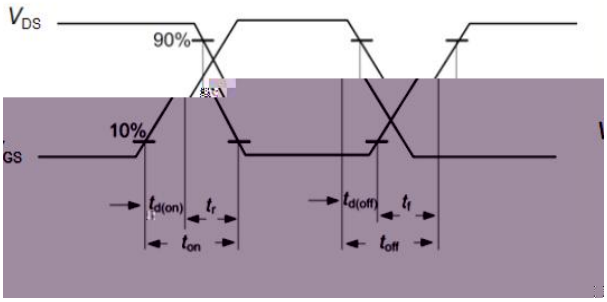
4 Mechanical parameters

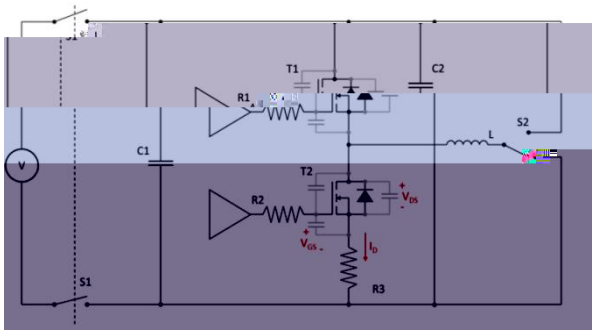
4.1 Dimensions and metallization

Parameter	Typical value	Unit	Metallization	

4.2 Layout

5 Test conditions





SG2M012075BJ

750V SiC Power MOSFET

Revision history

Document version	Date of release	Document stage	Description of changes
V01_00	2024-11-		

SG2M012075BJ



J Q V

O \