SG2M060075LJ

TriQSiC™ 750V Silicon Carbide Power MOSFET G2

Features

-
-
-
-
-
-
-

Benefits



SG2 75LJ

750V S SFET

Table o



Tabl ts

Feature 1

Benefit 1

Applica 1

Table o 2

1 ÃM@ 3

2 The stics 3

3 Ele

1 Maximum ratings

Table 2 Maximum rating

Symbol	Parameter	Value	Unit	Test Conditions	Note

3 Electrical characteristics

3.1 Static characteristics

Table 4 Static characteristics

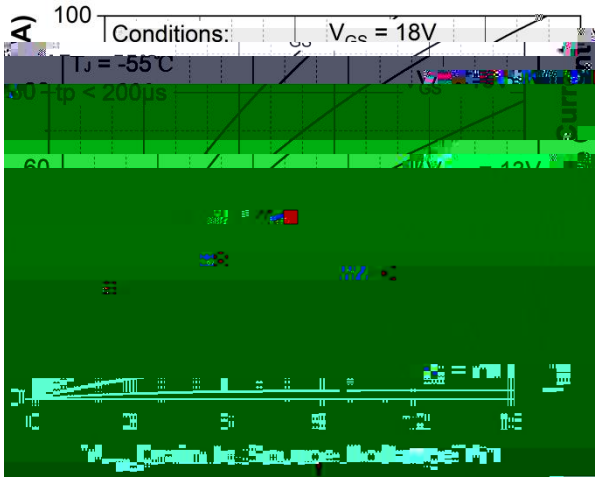
Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note

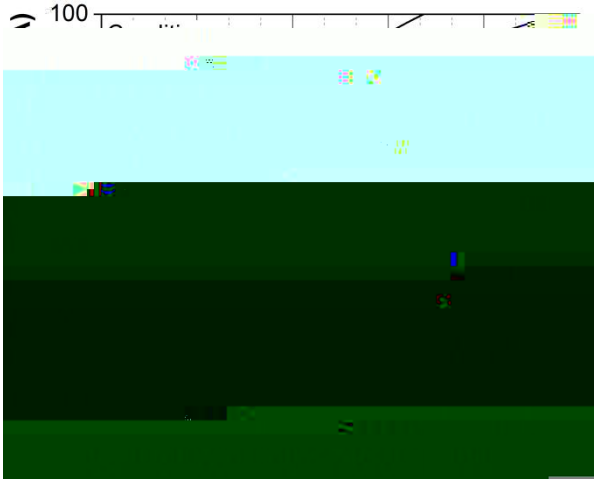


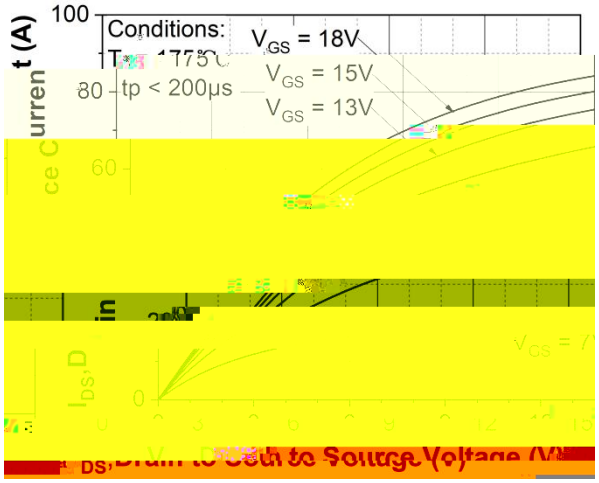
SG2M060075LJ

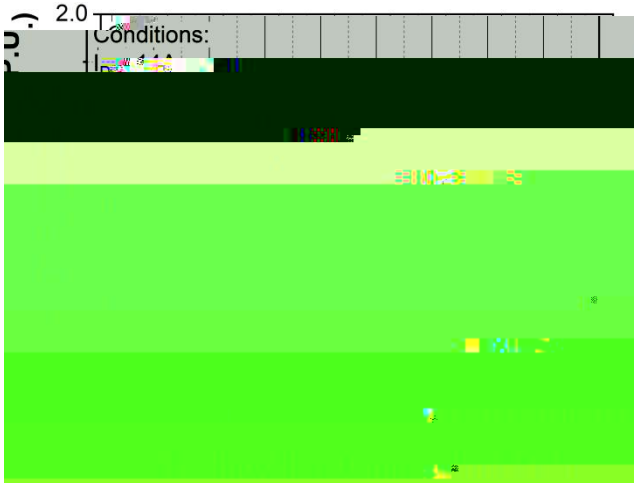
750V SiC Power MOSFET

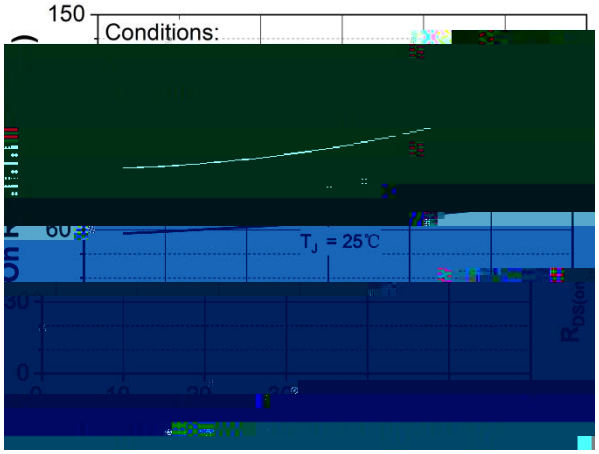
4 Electrical characteristic diagrams

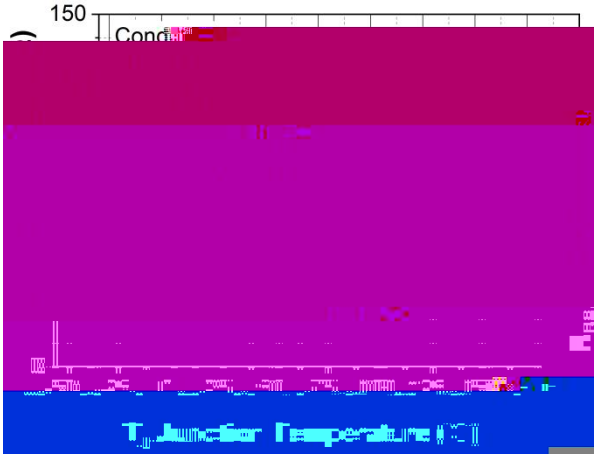




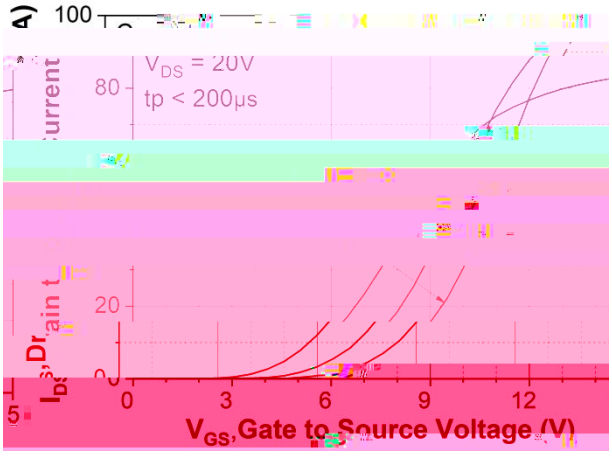


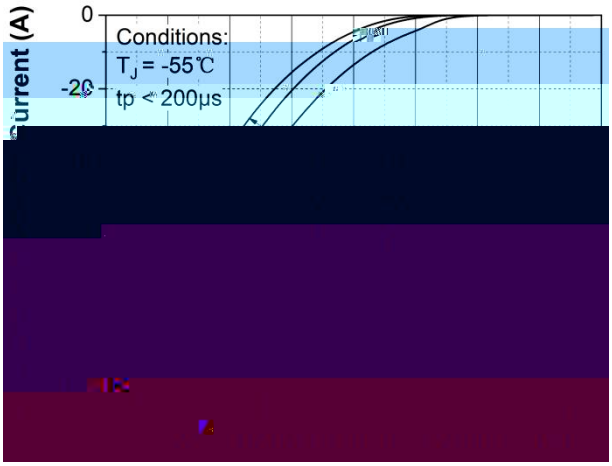


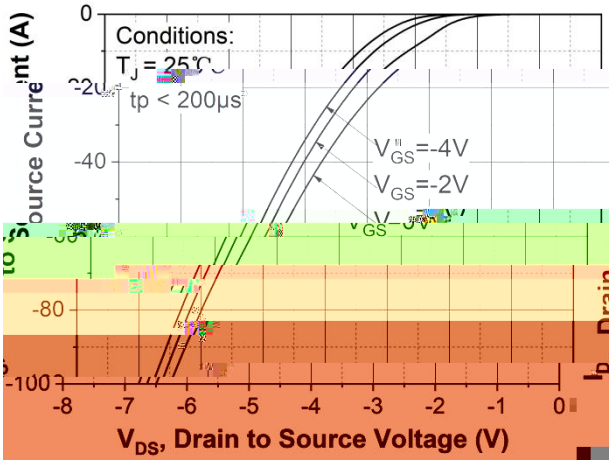


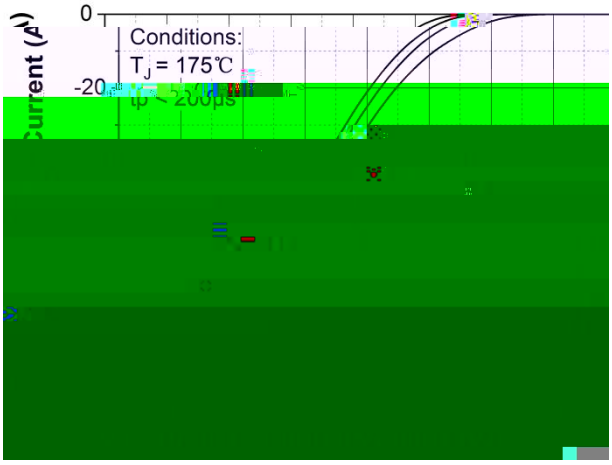


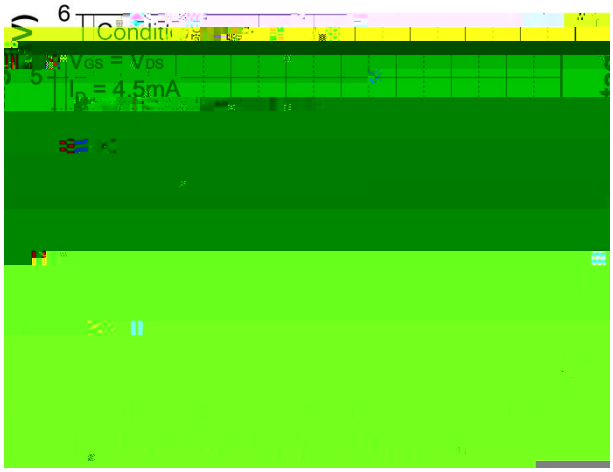
SG2M060075LJ

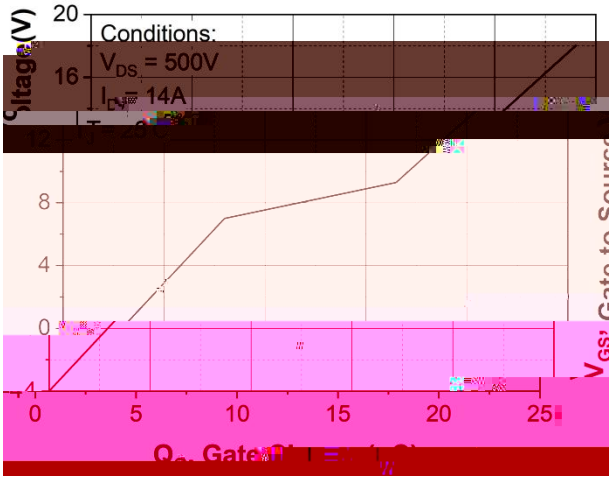




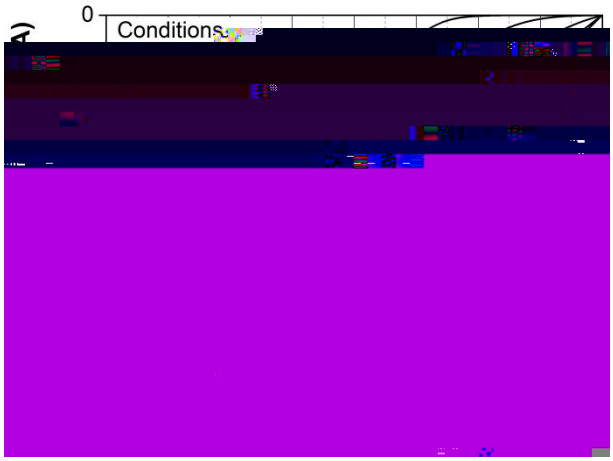


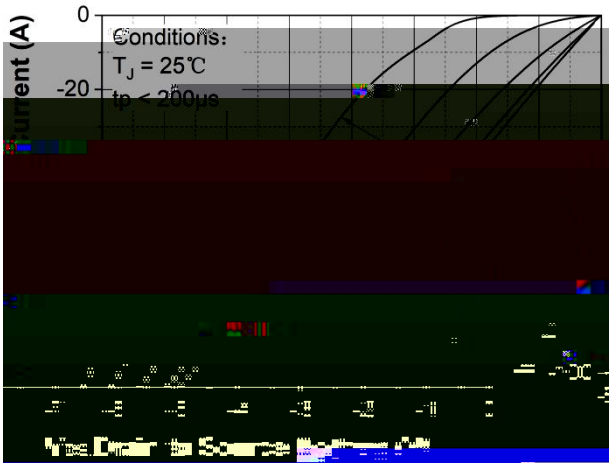


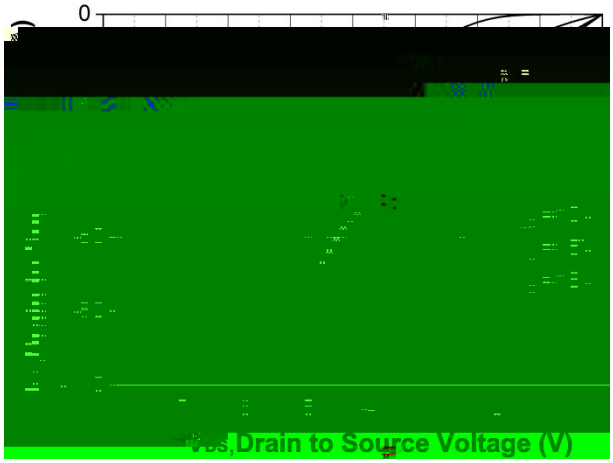


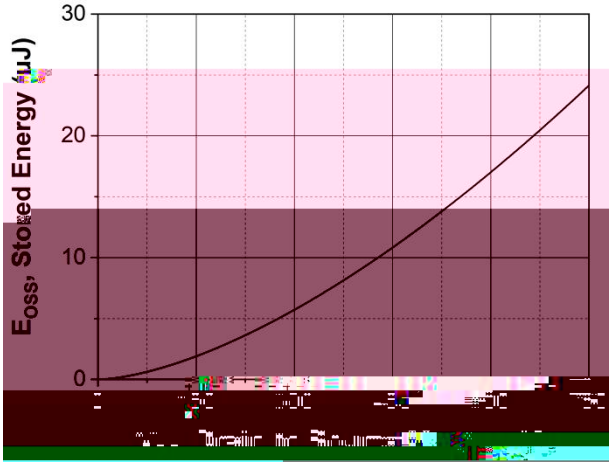


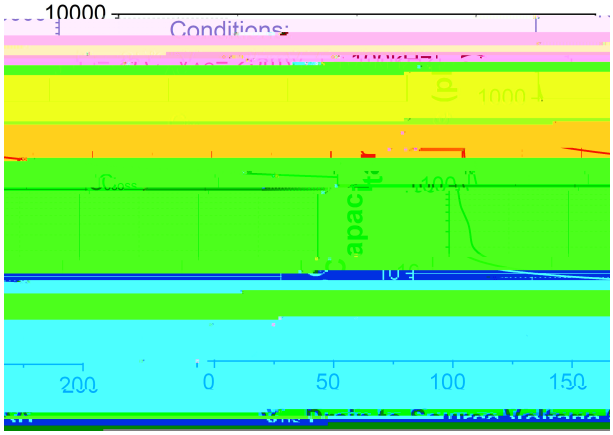
SG2M060075LJ

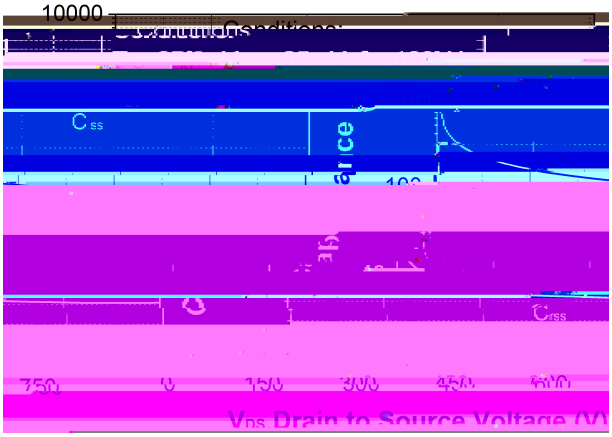






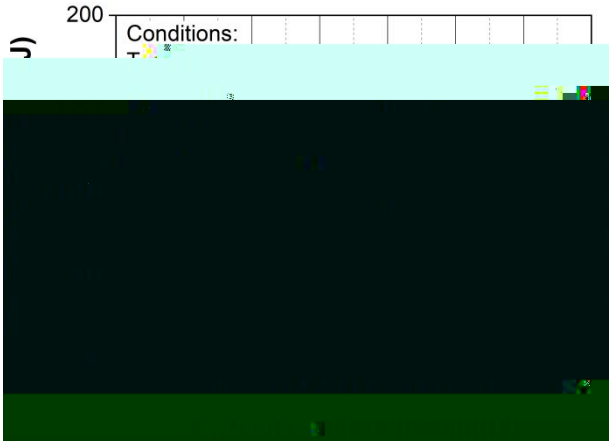


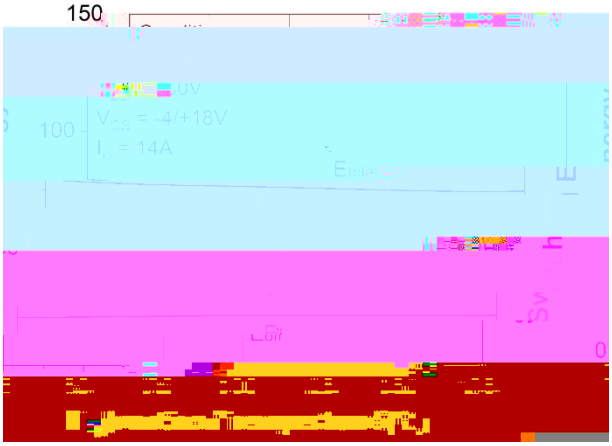


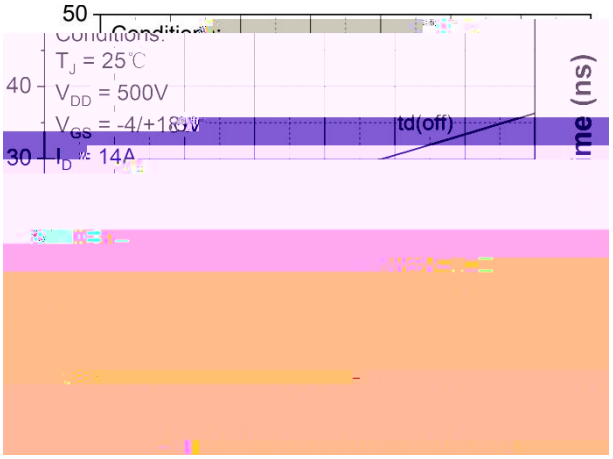


SG2M060075LJ

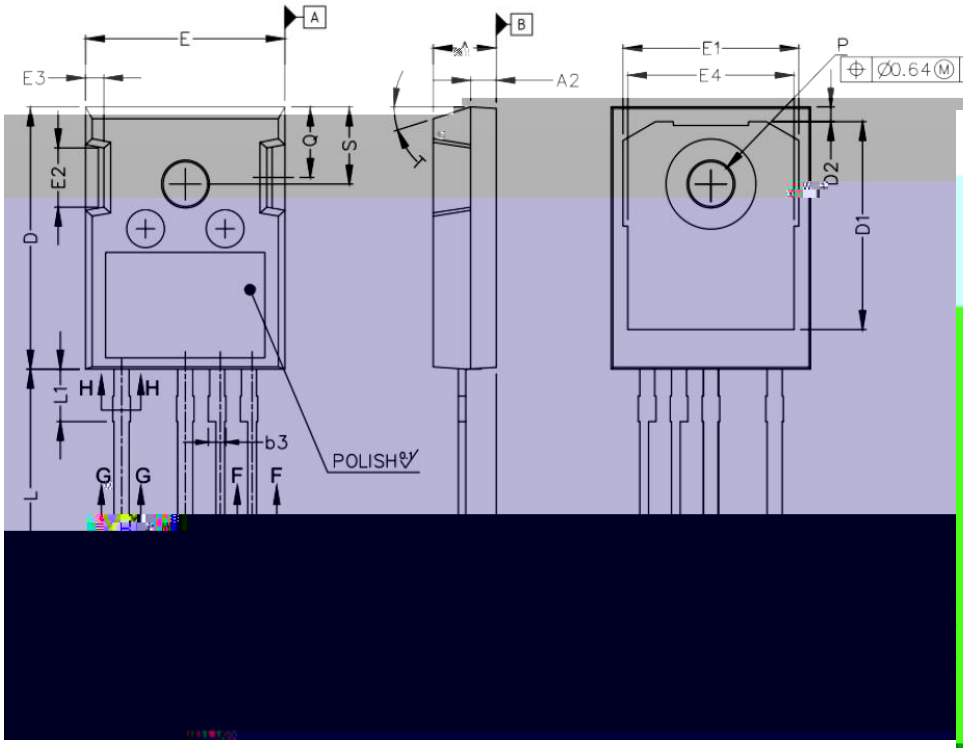
SG2M060075LJ



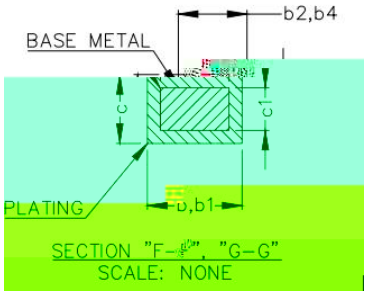


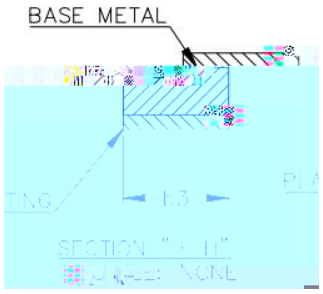


5 Package drawing



SYM.	MILLIMETERS MIN	MAX
A	4.83	5.21
A1	2.29	2.54
A2	1.90	2.16
b	1.10	1.35
b1	0.65	0.80
b2	1.10	1.25
b3	1.34	1.44
b4	0.65	0.80
c	0.55	0.68
c1	0.55	0.65
D	20.80	21.10
D1	13.15	17.65
D2	0.95	1.35
E	15.70	16.13
E1	13.10	14.15
E2	4.32	5.10
E3	1.00	2.50
E4	12.50	13.50
e1	5.08 BSC	
e2	2.79 BSC	
e3	2.54	





SG2M060075LJ

Revision history

Document version	Date of release	Document stage	Description of changes
V01_00	2025-07-24	——	——
V01_01	2025-08-28	——	——
V01_0[redacted]	025-08[redacted]		

SG2M060075LJ