SG2M060075LJ

TriQSiC™ 750V Silicon Carbide Power MOSFET G2

Features

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Benefits



SG2 75LJ

750V S SFET

Table o



Tabl ts

Feature 1

Benefit 1

Applica 1

Table o 2

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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

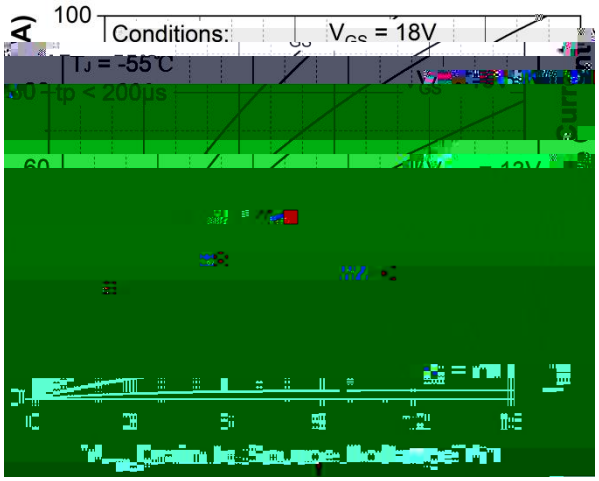
Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note

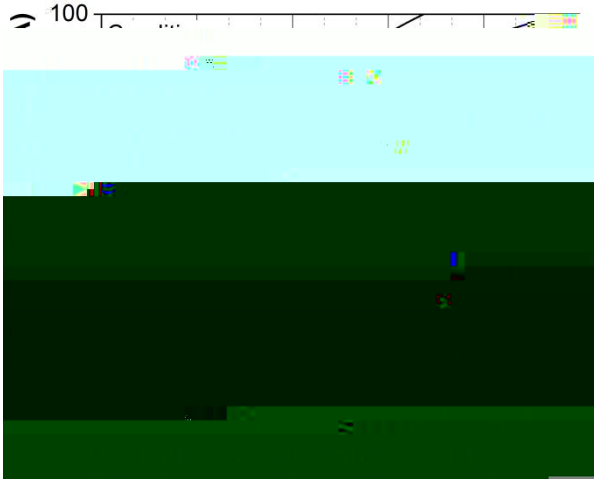


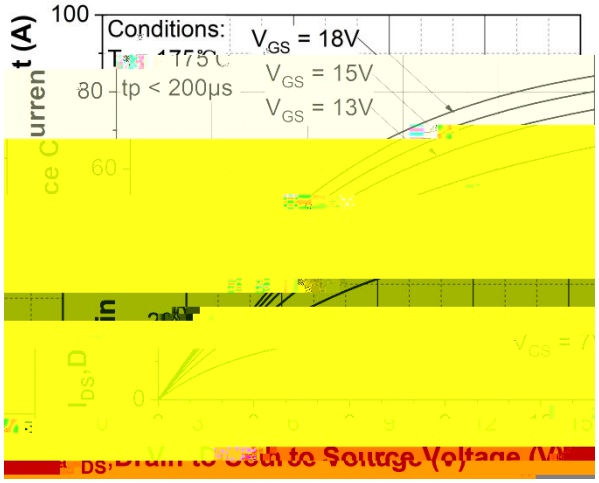
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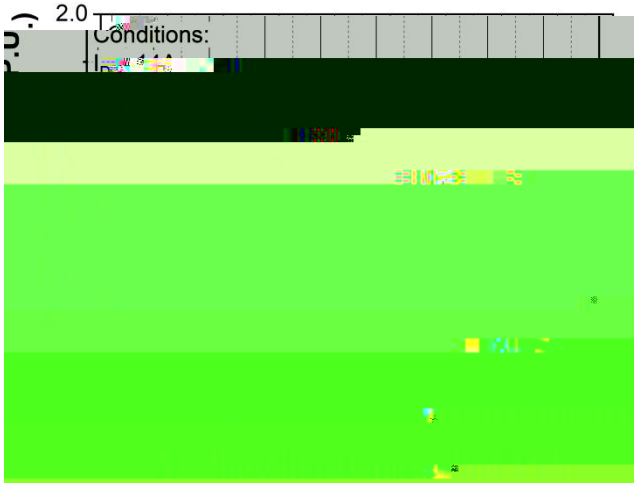
750V SiC Power MOSFET

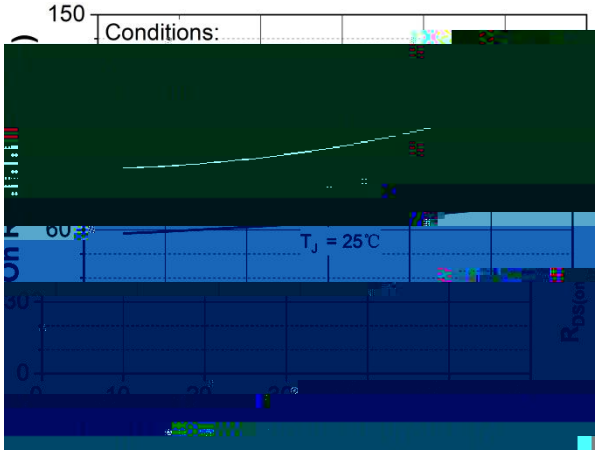
4 Electrical characteristic diagrams

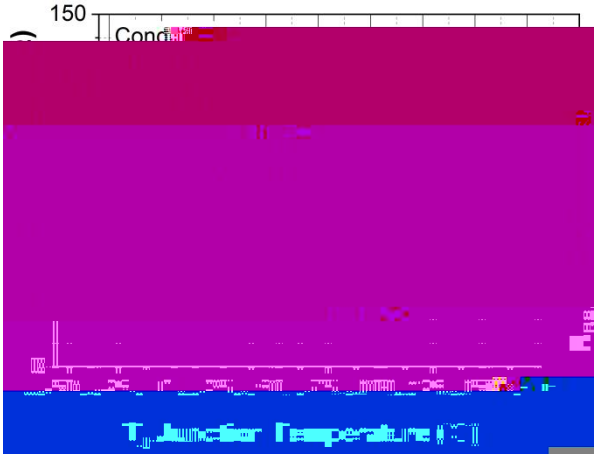




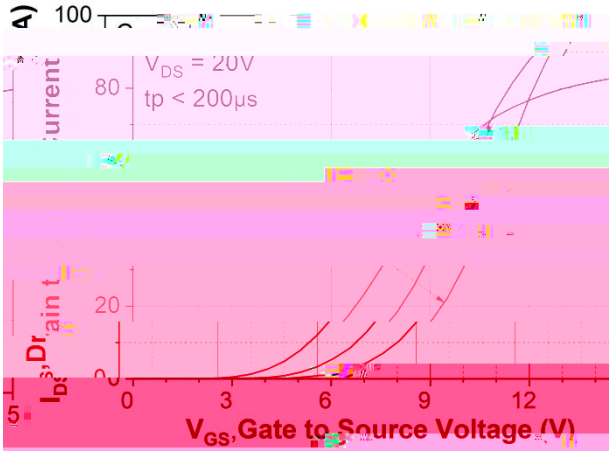


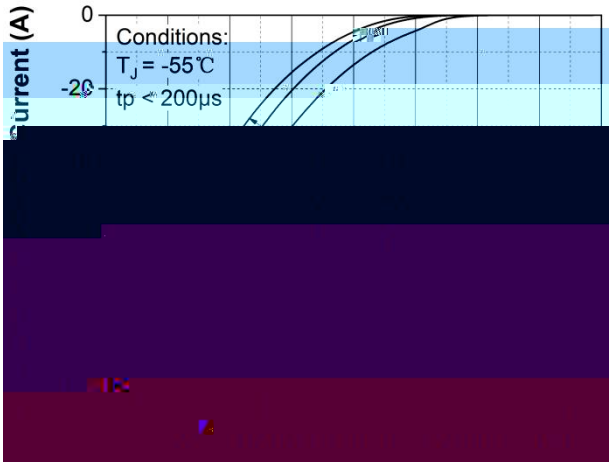


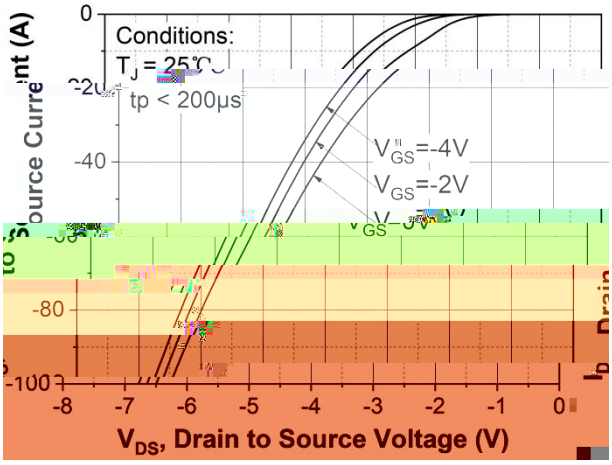


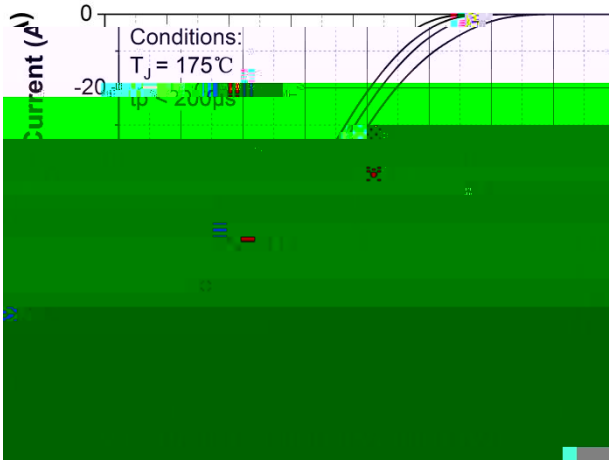


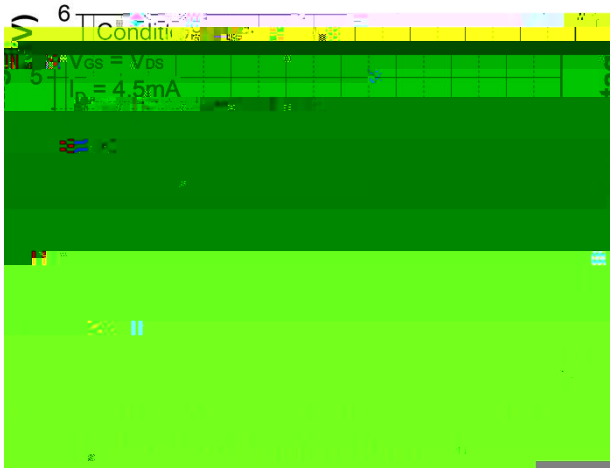
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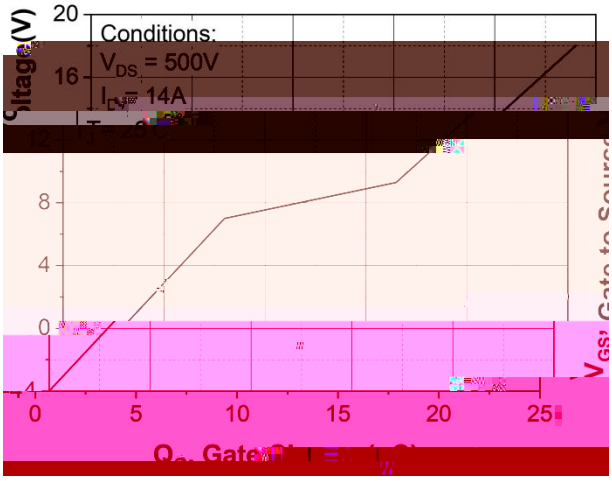




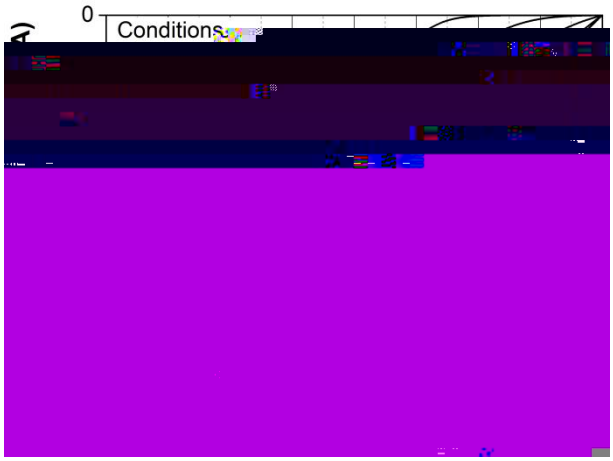


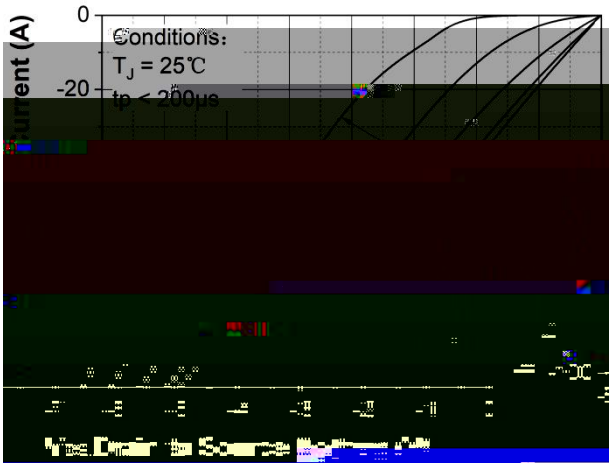


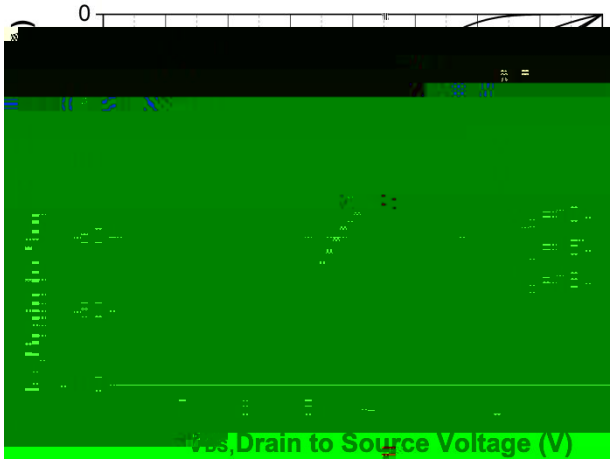


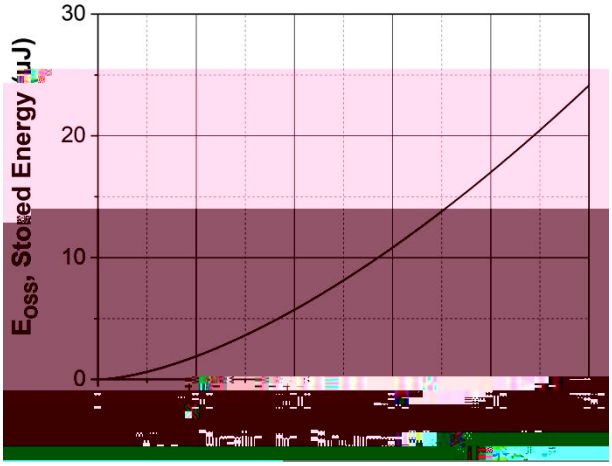


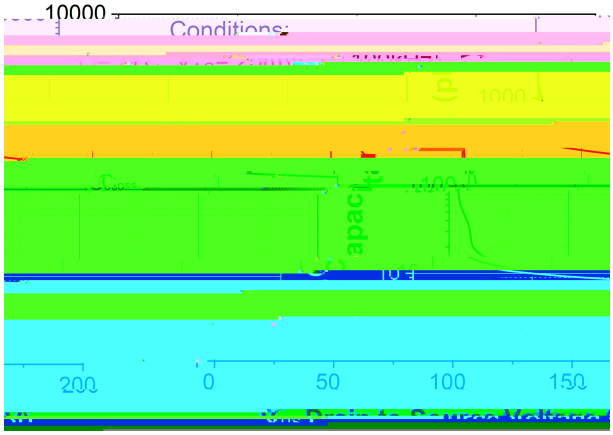
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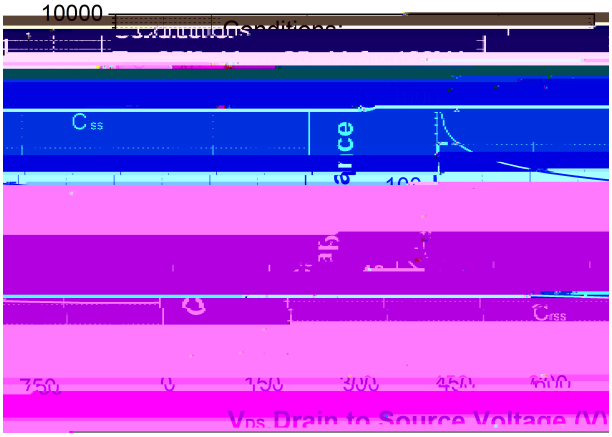






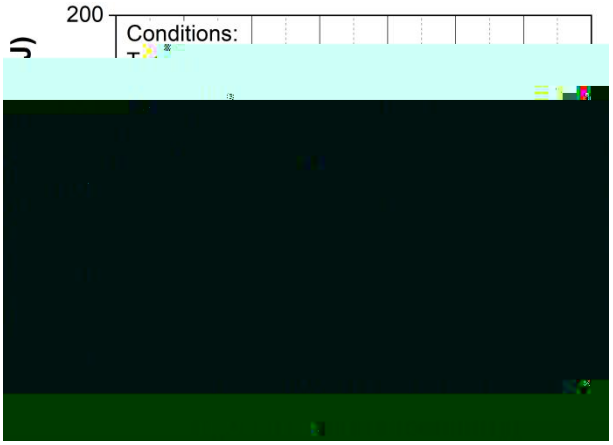


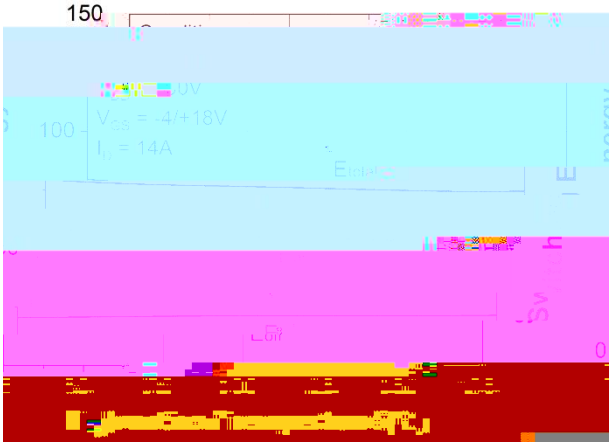


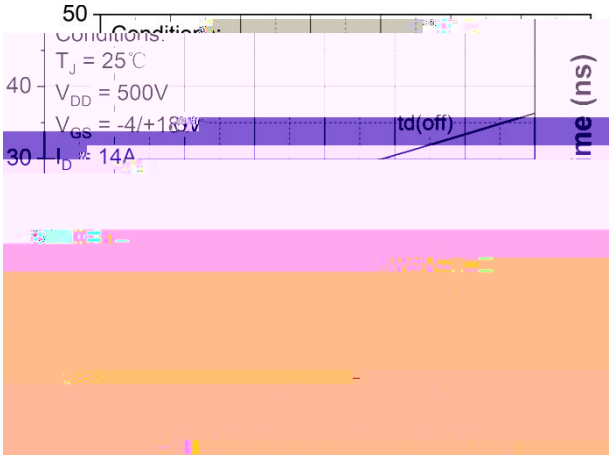


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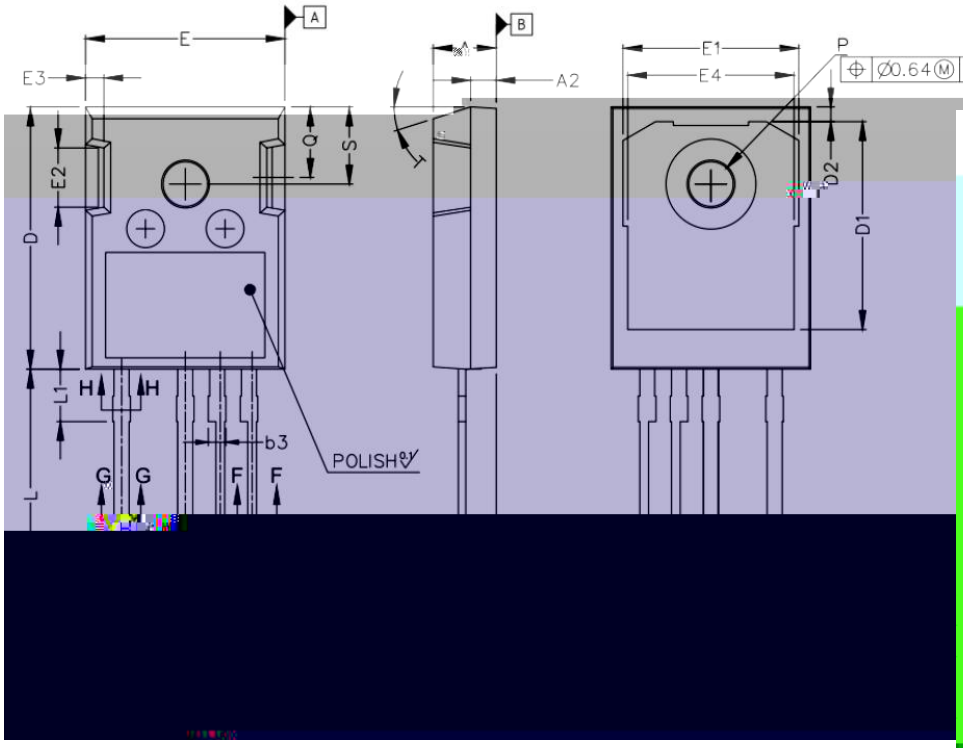
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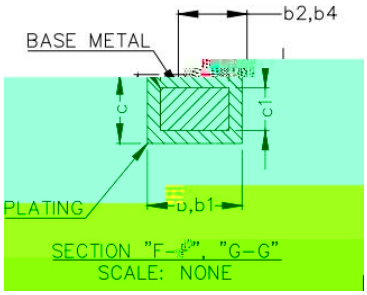


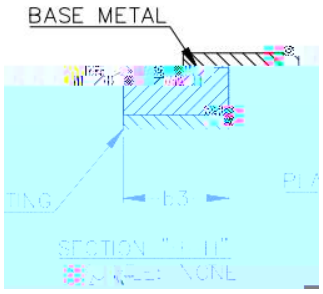


5 Package drawing



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	





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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]		

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