

SG2M035120WJ



TriQSiC™ 1200V Silicon Carbide Power MOSFET G2

Features

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Benefits

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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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3.3 Switching characteristics

Table 6 Dynamic characteristics

Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note
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Table 6

Dynamic characteristics

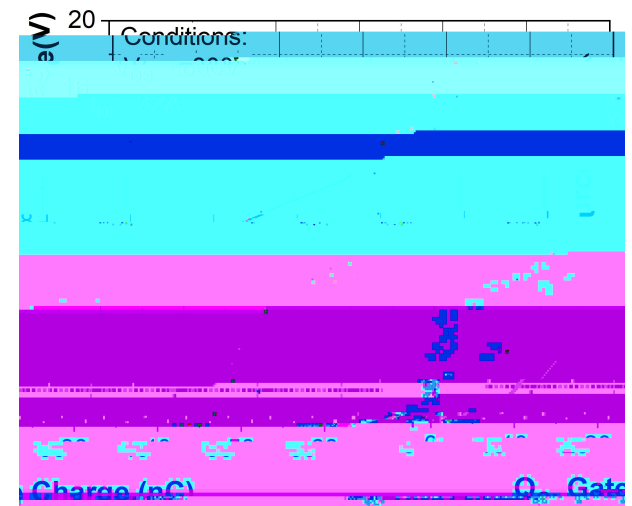
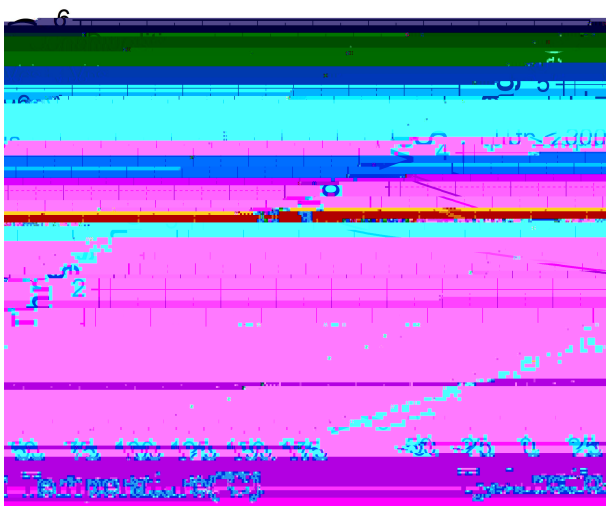
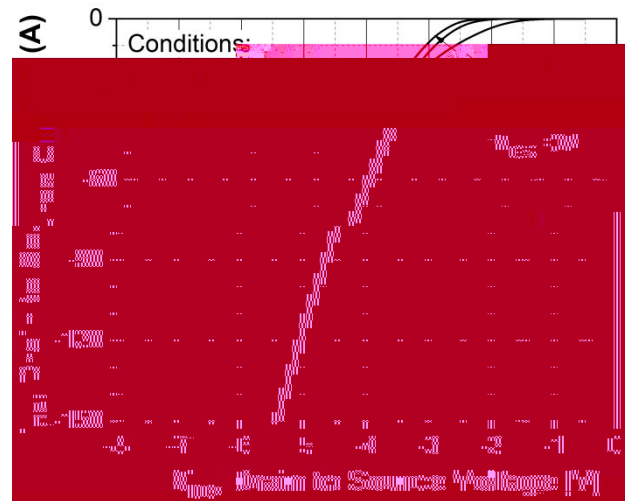
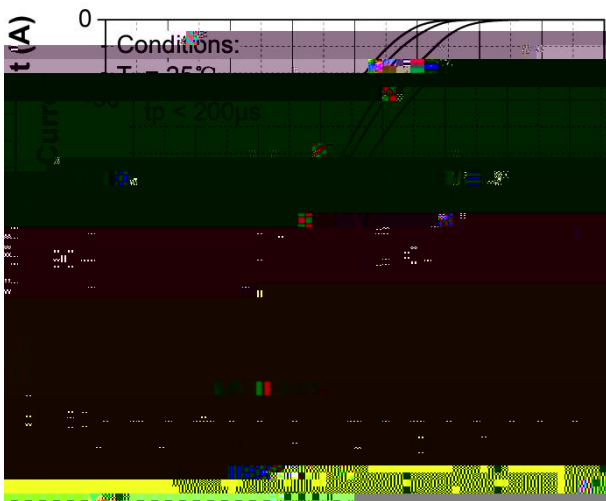
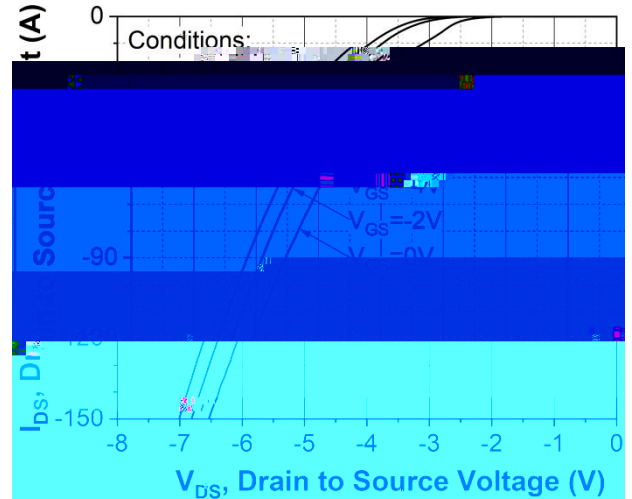
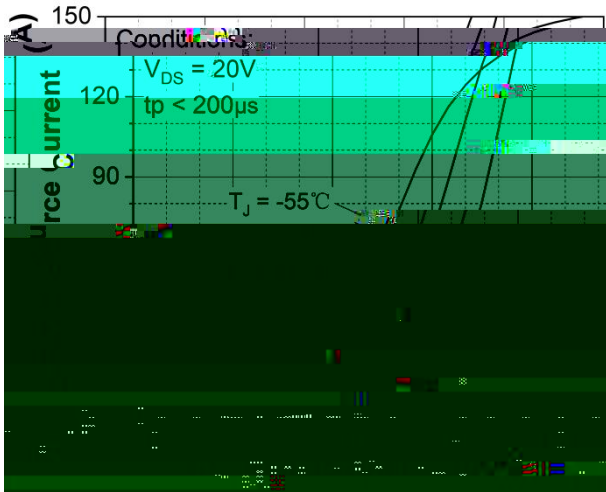
Dynamic characteristics

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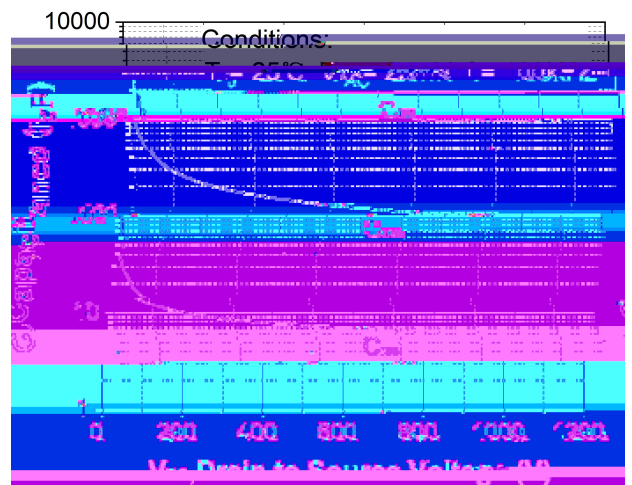
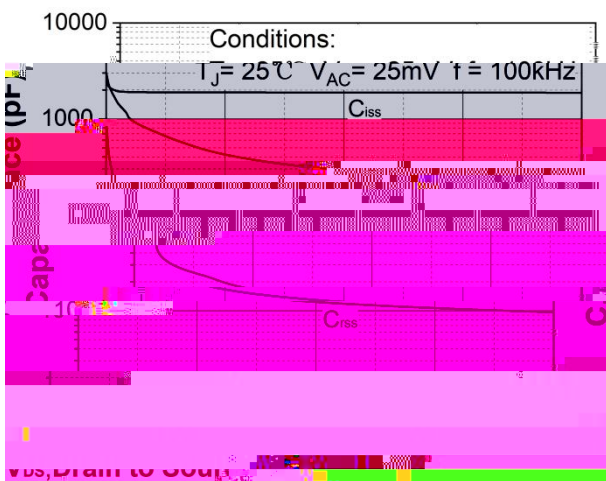
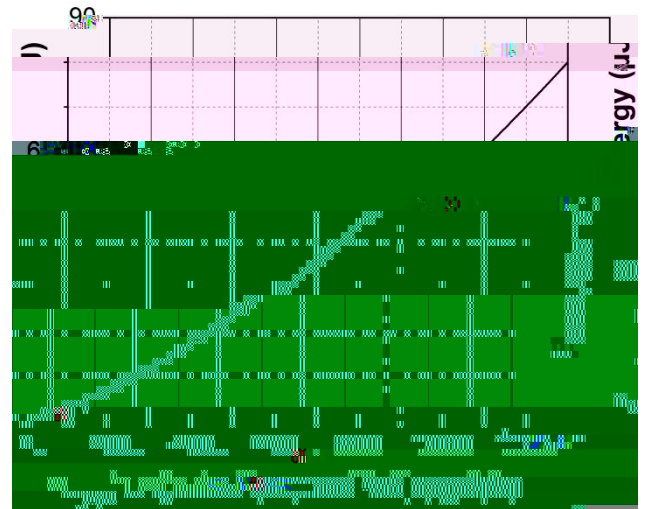
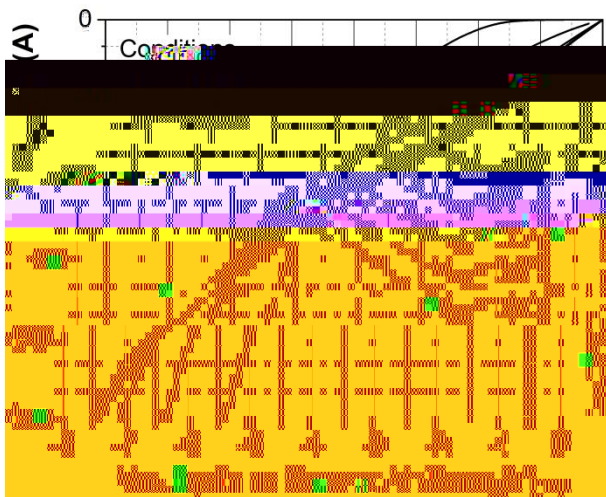
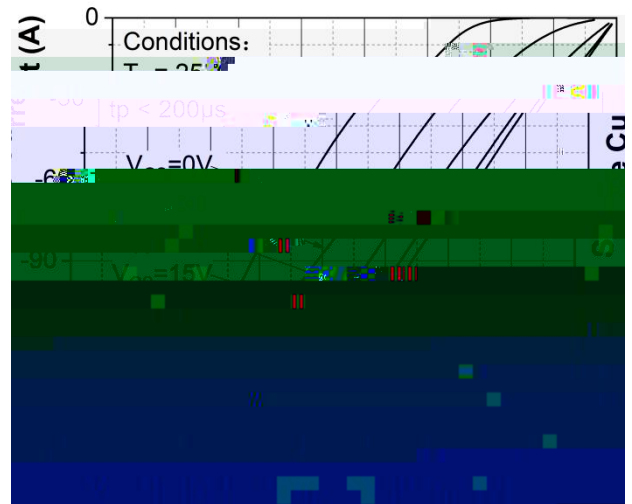
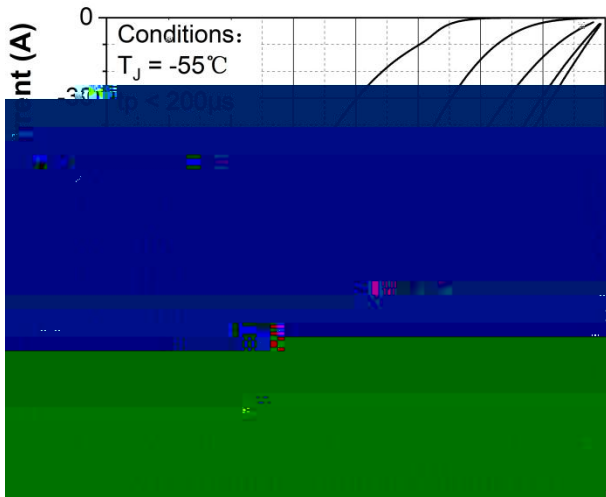
Dynamic characteristics



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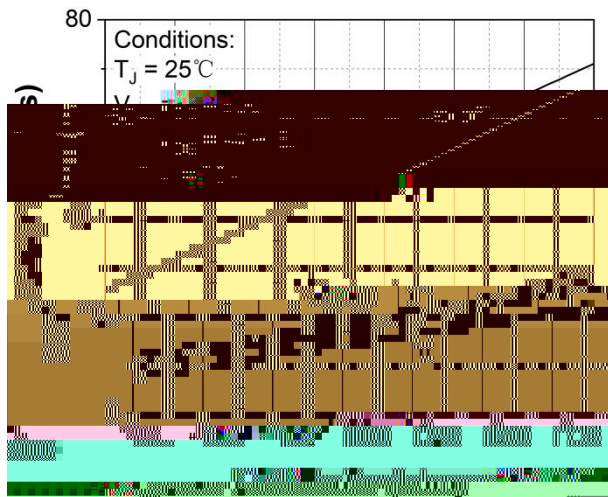
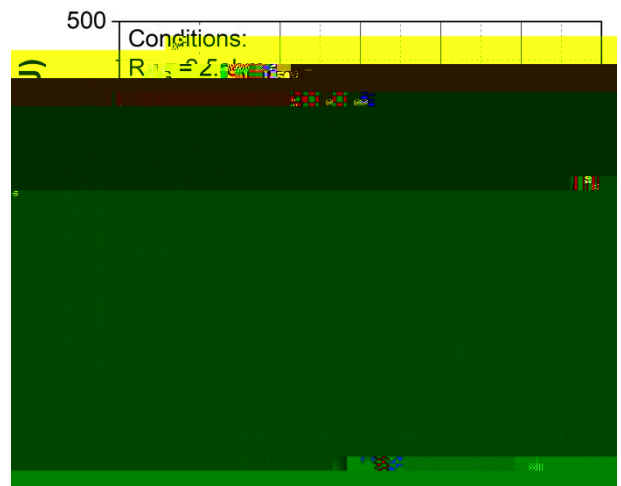
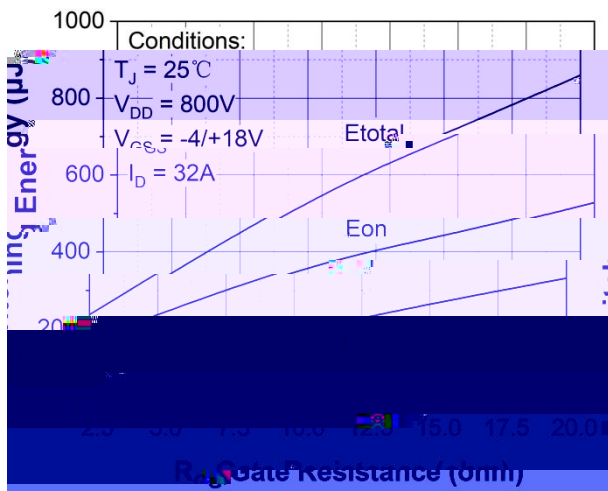
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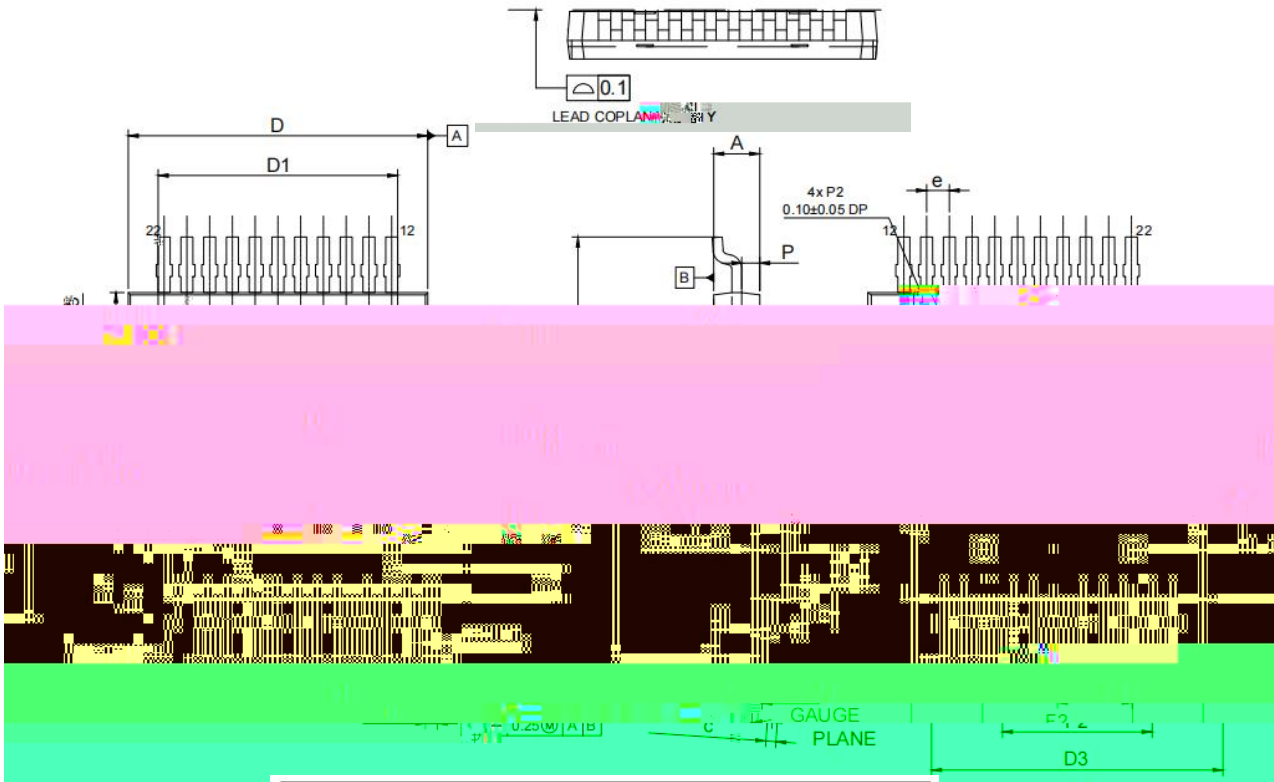


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5 Package drawing



CONTROLLING DIMENSION :MILLIMETERS					
SYMBOL	MIN	MAX	SYMBOL	MIN	MAX
A	2.25	2.35	E9	0.75	0.85
A1	0.00	0.15	e	1.14	
A2	0.90		e1	11.4	
A3	0.50		F	7.40	7.60
b	0.50	0.70	F1	1.47	1.67
b1		0.15	F2	7.40	7.60
c	0.46	0.58	F3	3.65	3.85
D	14.90	15.10	F4	5.07	5.27
D1	12.00		F5	10.24	10.44
D2	13.20		L	1.30	
D3	14.50	14.70	M	0.60	
E	20.81	21.11	N	22	
E1	15.30	15.50	O	0°	8°
E2	0.22		P	0.00	
E3	0.45		Q	0.90	1.10
E4	0.95		R	1.60	
E5	2.53		S	1.70	
E7	2.40			0.631	
E8	0.90				

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6 Test cond

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Revision history

Document version	Date of release	Document stage	Description of changes
V01_00	2026-01-21	---	---
V01_01	2026-01-28	---	---
V01_02	2026-02-03	Final	---

Attention

RoHS compliance

REACH compliance

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