

UI4O262342D



VtkSUkE^{VO} 342

UI4O262342D

3422X UKE RRRRRRRRRRRRRRRRR



UI 4O 262342D



3422X UkE Rqygt OQUHGV

4 Gngevtkecn ejctcevgtkuvkeu

403 Uvcvke ejctcevgtkuvkeu

Vcdng 5 Uvcvke ejctcevgtkuvkeu (Tc = 25°C unless otherwise specified)

U{ odqn	Rctc o gygt	Okp0	V{ r0	Ocz0	Wpkv	Vguv Eqp fkvkqpu	Pqvg
$V_{(BR)DSS}$	Drain-source breakdown voltage	1200	-	-	V	$V_{GS} = 0V, I_D = 100\mu A$	Fig.11
		2.3	2.8	3.6	V	$V_{DS} = V_{GS}, I_D = 9mA$	
$V_{GS(th)}$	Gate threshold voltage	-	2.1	-	V	$V_{DS} = V_{GS}, I_D =$	

2.3

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Figure 1. Output characteristics $T_J = -55\text{ }^\circ\text{C}$

Figure 2. Output characteristics

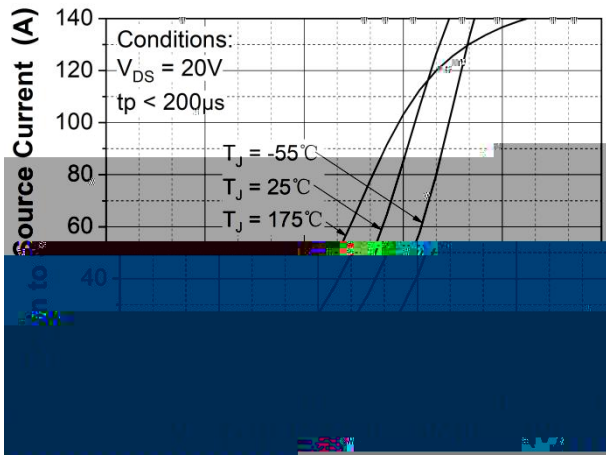


Figure 7. Transfer characteristic for various junction temperatures



Figure 8. Body diode characteristic at $T_J = -55^\circ\text{C}$

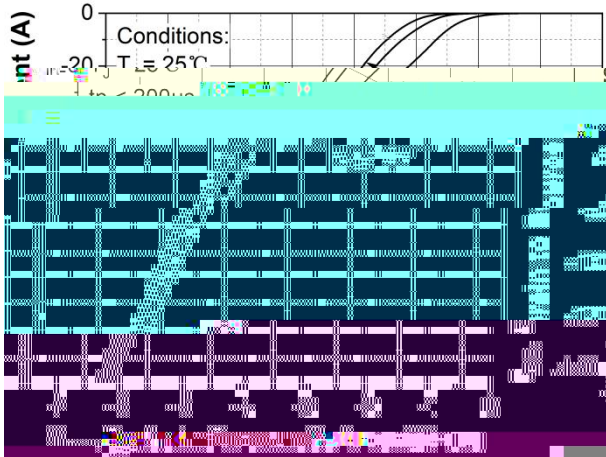


Figure 9. Body diode characteristic at $T_J = 25^\circ\text{C}$

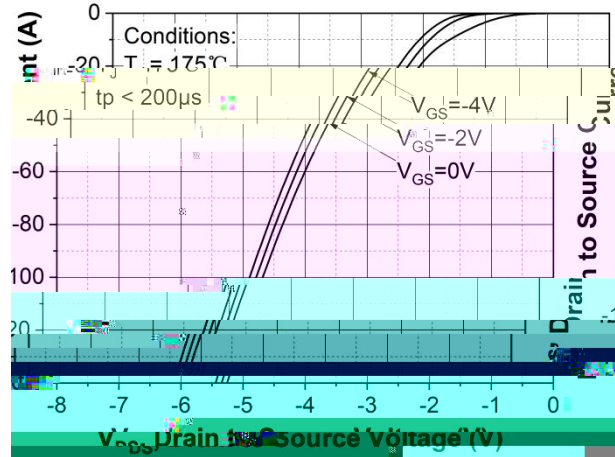


Figure 10. Body diode characteristic at $T_J = 175^\circ\text{C}$

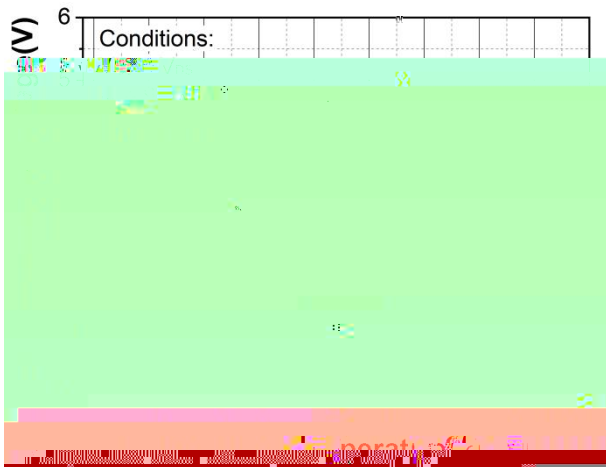


Figure 11. Threshold voltage vs. temperature

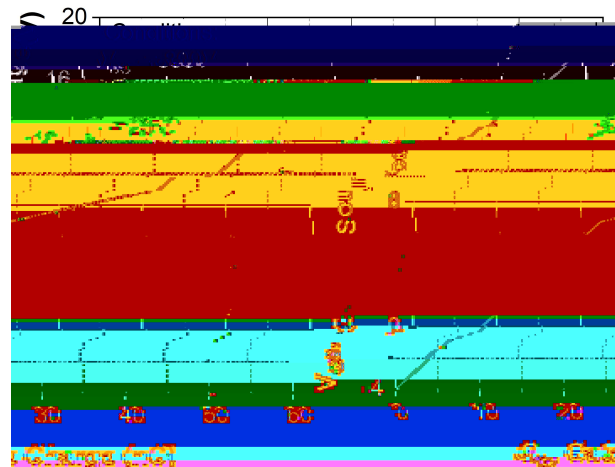


Figure 12. Gate charge characteristic

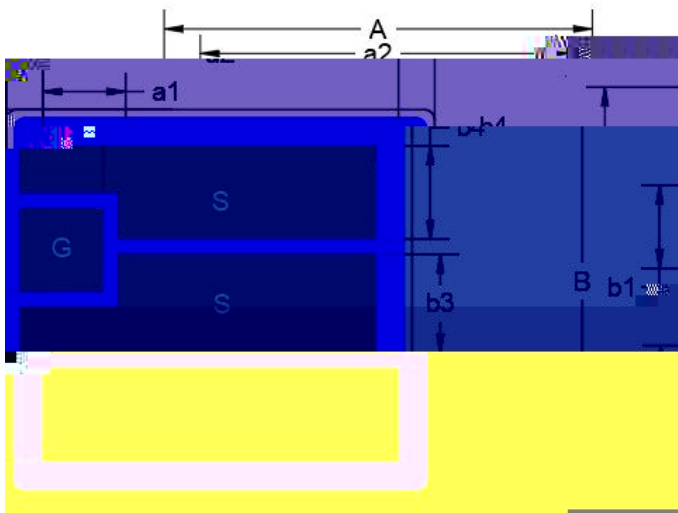
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6 Ogejcpkecn rctc ogvgtu

603 Fk ogpukqpu cpf ogvcnknk | cvkqp

Rctc ogvgt	V{rkecn xcnwg	Wpkv	Ogvcnknk cvkqp
Die size W x L	3.39 * 3.93	mm	
Gate pad size W x L	0.80 * 0.80	mm	
Die thickness	175	μm	
Top side source gate metallization	4	μm	Al
Back side drain metallization	1	μm	Ag

604 Nc{qww



Symbol	Dimension / mm
B	3.39
b1	0.80
b2	0.80
b3	0.83
b4	0.80
A	3.93
a1	0.80
a2	3.23

7 Vguv eqpfkvkqpu

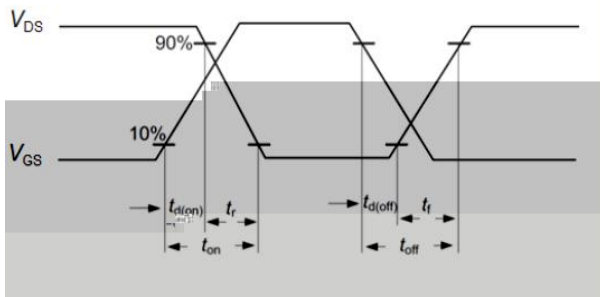


Figure A. Definition of switching times

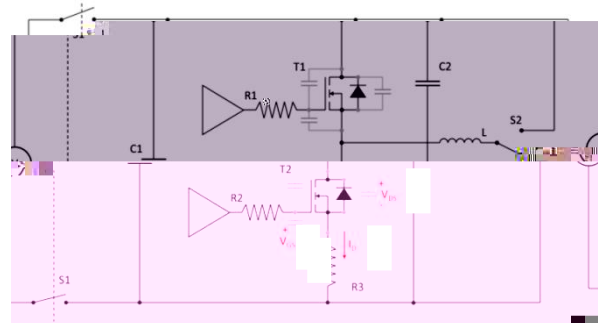


Figure B. Dynamic test circuit

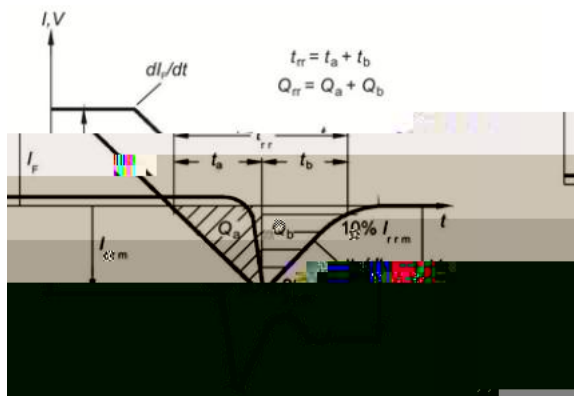


Figure C. Definition of body diode switching characteristics



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