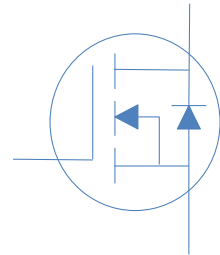
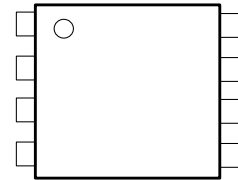


100V N-Ch Power MOSFET

			Ω
			Ω





=25 (unless otherwise specified)

		=25		
		=100		
		=25		
		-		
		-		
		-		
Avalanche Energy, Single Pulse	E	=25		mJ
Power Dissipation		=25		
	J	-	-55 to 150	

Thermal Resistance Junction-Case	θ _{JC}		W
Thermal Resistance Junction-Ambient	θ _{JA}		W

Electrical Characteristics at T =25 (unless otherwise specified)

Static Characteristics

Drain to Source Breakdown Voltage		μ		-	-	
Gate Threshold Voltage	$V_{GS(th)}$	μ				
		=25	-	-		μ
		=100	-	-		
			-	-		
			-			Ω
			-			Ω
	f_s		-		-	
		Open, f=1MHz	-		-	Ω

Dynamic Characteristics

			-		-	
		=50V, f=1MHz	-		-	
Reverse Transfer Capacitance			-		-	
Total Gate Charge			-		-	
Total Gate Charge			-		-	
Gate to Source Charge			-		-	
Gate to Drain (Miller) Charge			-		-	
			-		-	
Turn off Delay Time	$t_{d(off)}$	Ω	-		-	
	f		-		-	

Reverse Diode Characteristics

Diode Forward Voltage			-			
			-		-	
Reverse Recovery Charge		$dt=500A/\mu$	-		-	

Fig 1. Typical Output Characteristics	Figure 2. On-Resistance vs. Gate-Source Voltage
Figure 3. On-Resistance vs. Drain Current and Gate Voltage	Figure 4. Normalized On-Resistance vs. Junction Temperature
Figure 5. Typical Transfer Characteristics	Figure 6. Typical Source-Drain Diode Forward Voltage

Figure 7. Typical Gate-Charge vs. Gate-to-Source Voltage

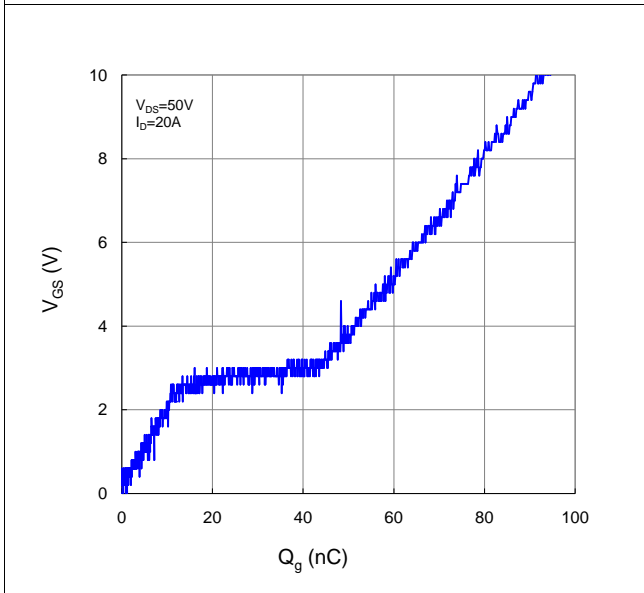


Figure 8. Typical Capacitance vs. Drain-to-Source Voltage

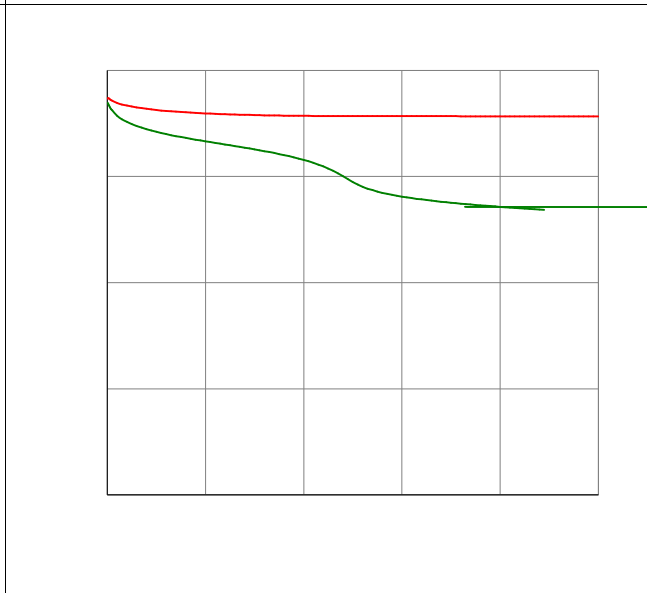


Figure 9. Maximum Safe Operating Area

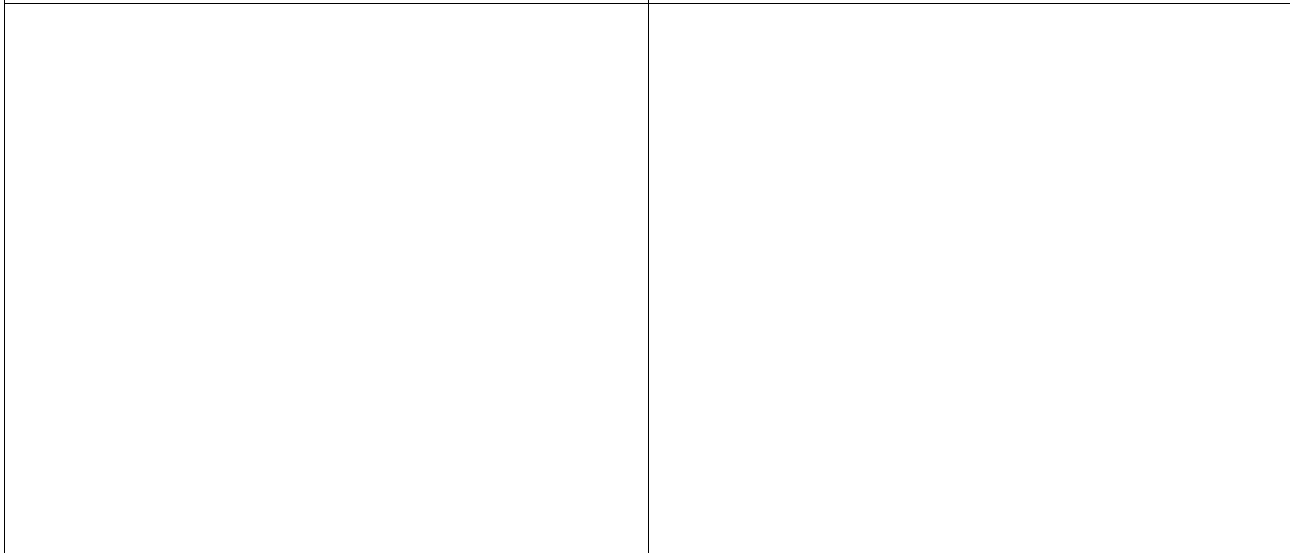
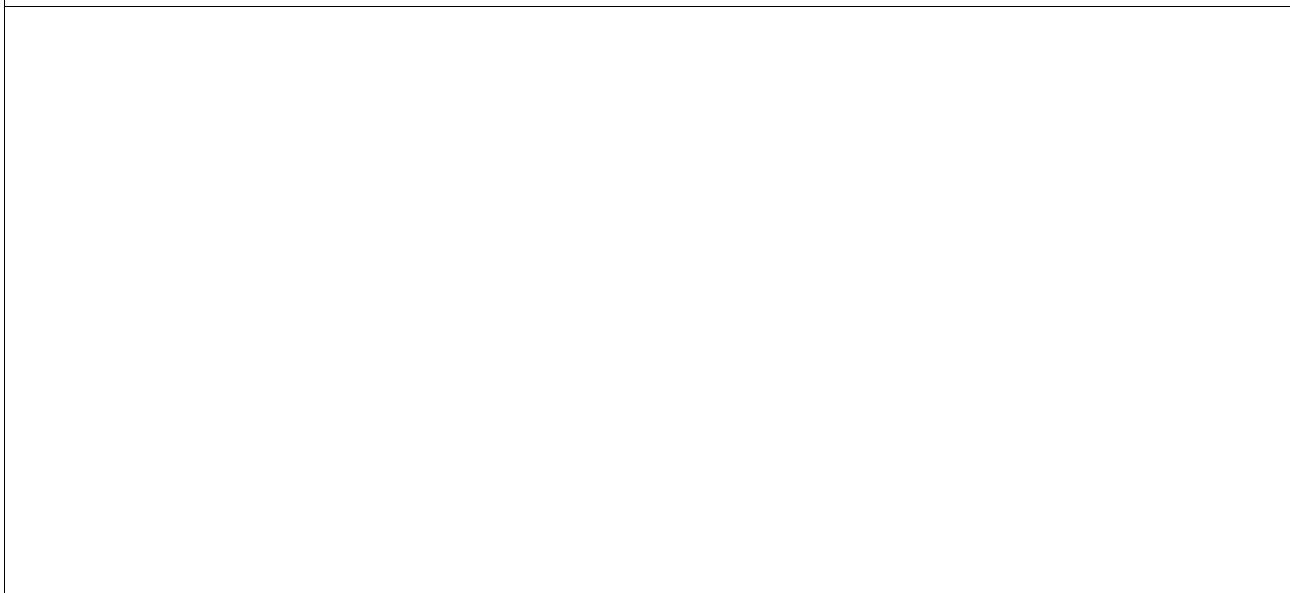


Figure 11. Normalized Maximum Transient Thermal Impedance, Junction-to-Case




Inductive switching Test

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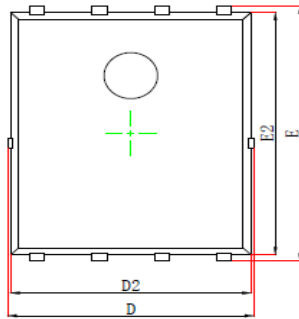
Gate Charge Test

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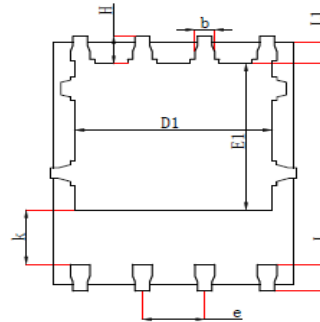
Uclamped Inductive Switching (UIS) Test

	
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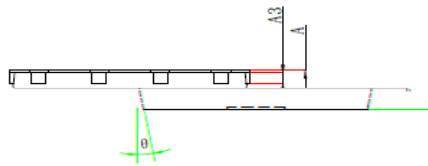
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Top View
[顶视图]



Bottom View
[背视图]



Side View
[侧视图]

Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.100	0.035	0.043
A3	0.254 REF		0.010REF	
D	4.680	5.120	0.184	0.202
E	5.900	6.126	0.232	0.241
D1	3.610	4.110	0.142	0.162
E1	3.380	3.780	0.133	0.149
D2	4.800	5.000	0.189	0.197
E2	5.674	5.826	0.223	0.229
k	1.100	1.390	0.043	0.055
b	0.330	0.510	0.013	0.020
e	1.270TYP		1.270TYP	
L	0.510	0.711	0.020	0.028
L1	0.424	0.576	0.017	0.023
H	0.410	0.726	0.016	0.029
θ	0°	12°	0°	12°