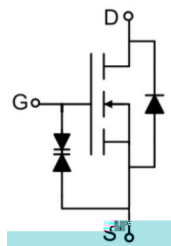
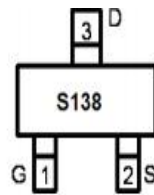


V_{DSS}	50V
$R_{DS(on)}$	3.5Ω(Max)
I_D	0.22A



Advanced MOSFET process technology
 Special designed for PWM, load switching and
 general purpose applications
 Ultra low on-resistance with low gate charge
 Fast switching and reverse body recovery
 150 °C operating temperature



It utilizes the latest processing techniques to achieve the high cell density and reduces the on-resistance with high repetitive avalanche rating. These features combine to make this design an extremely efficient and reliable device for use in power switching application and a wide variety of other applications.

$I_D @ T_C = 25^\circ\text{C}$	Continuous Drain Current, $V_{GS} @ 10\text{V}$	0.22	A
I_{DM}	Pulsed Drain Current	0.88	
$P_D @ T_C = 25^\circ\text{C}$	Power Dissipation	0.43	W
V_{DS}	Drain-Source Voltage	50	V
V_{GS}	Gate-to-Source Voltage	± 20	V
$T_J \quad T_{STG}$	Operating Junction and Storage Temperature Range	-55 to +150	$^\circ\text{C}$



$R_{\theta JA}$	Junction-to-Ambient	—	350	/W

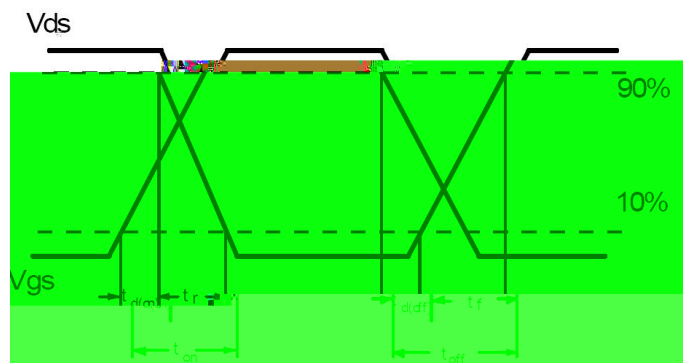
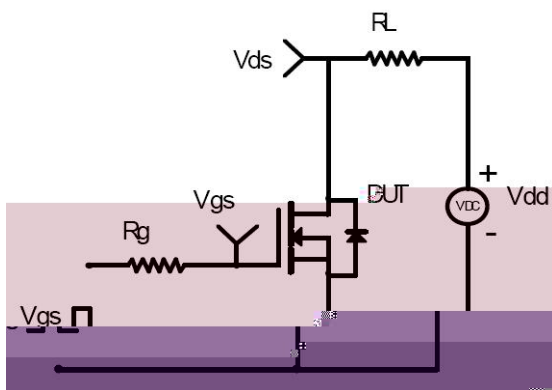
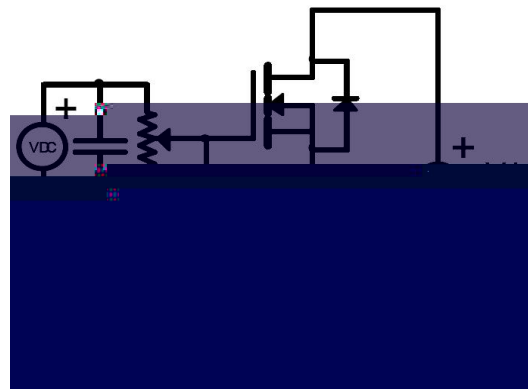
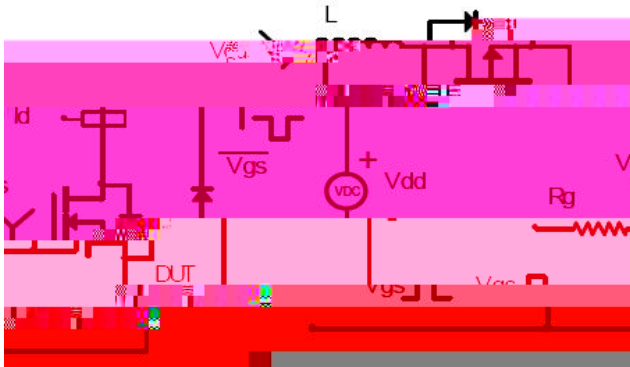
@ $T_A=25$ unless otherwise specified

$V_{(BR)DSS}$	Drain-to-Source breakdown voltage	50	—	—	V	$V_{GS} = 0V, I_D = 250\mu A$
$R_{DS(on)}$	Static Drain-to-Source on-resis					

ns (

$V_{(BR)DSS}$ Drain-to-Source breakdown voltage $V_{GS} = 0V, I_D = 250\mu A$ DM.

C

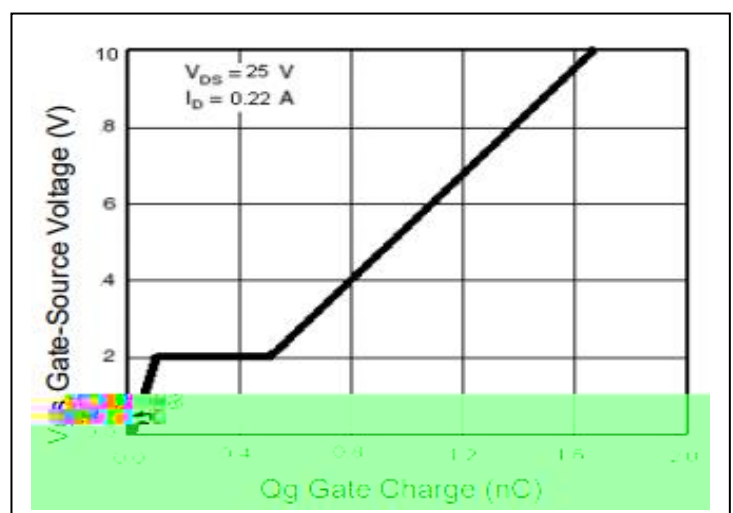
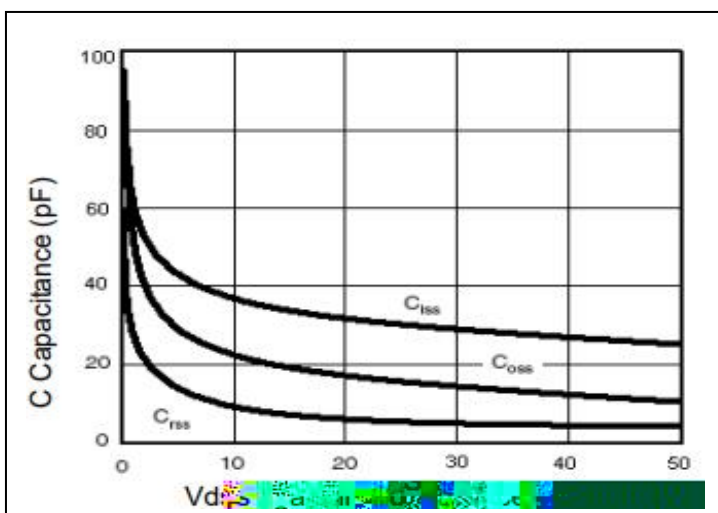
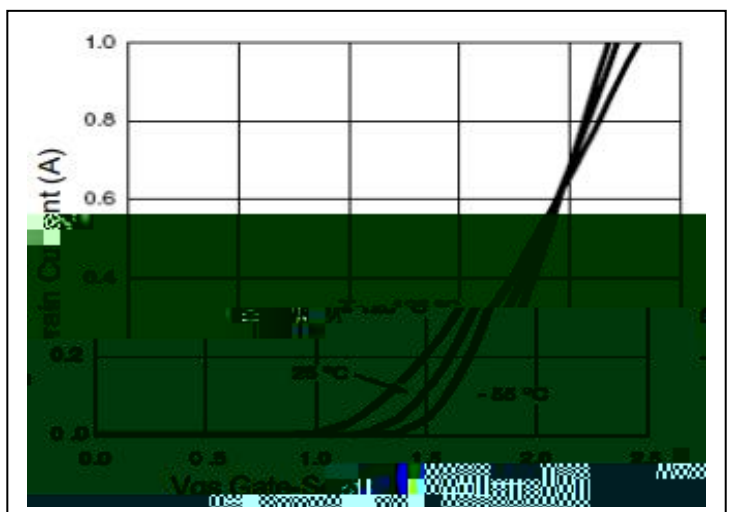
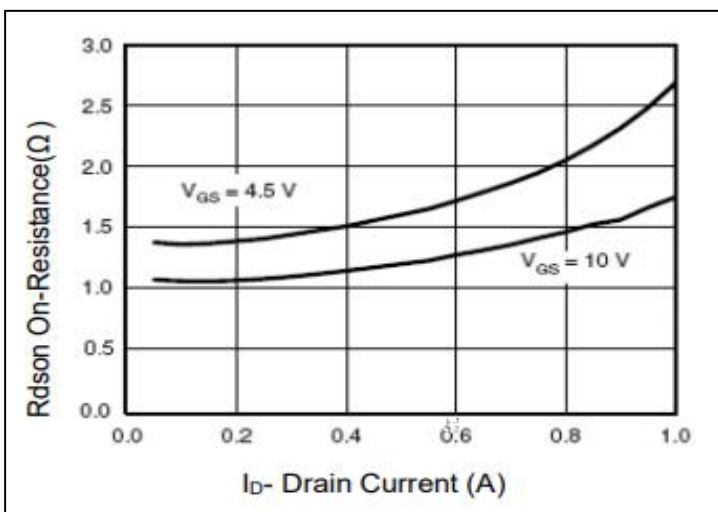
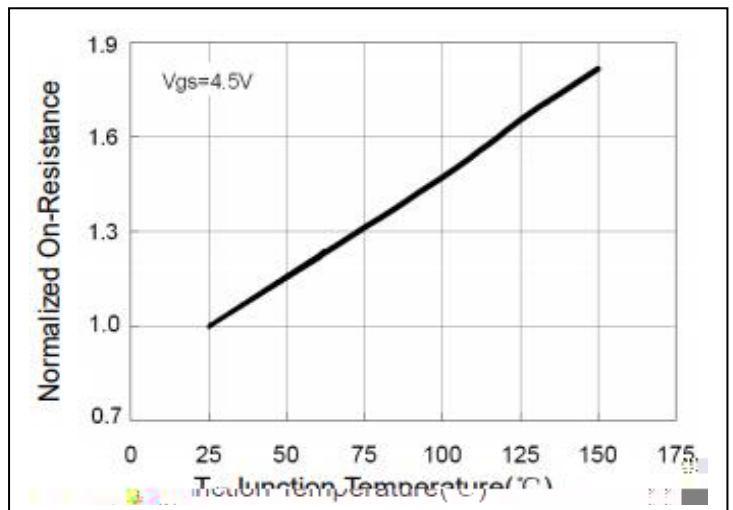
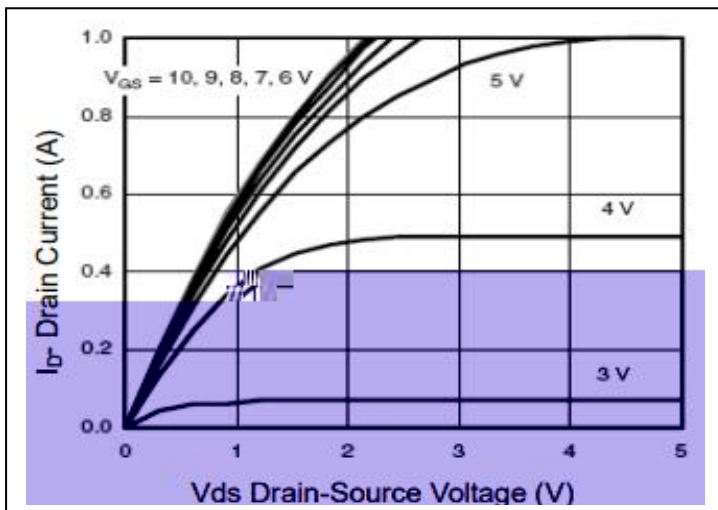


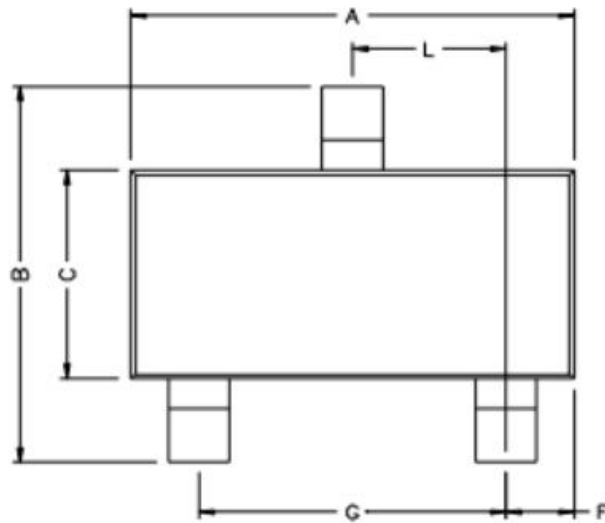
Calculated continuous current based on maximum allowable junction temperature.

Repetitive rating; pulse width limited by max. junction temperature.

The power dissipation PD is based on max. junction temperature, using junction-to-case thermal resistance.

The value of $R_{\theta JA}$ is measured with the device mounted on 1 in 2 FR-4 board with 2oz. Copper, in a still air environment with $T_A = 25$





REF.	Millimeter		REF.	Millimete	
	Min	Max		Min ³⁰	Max.
A	2.80	3.00	G	1.80	2.00
B	2.30	2.50	H	0.90	1.1
C	1.20	1.40	K	0.10	0.20
D	0.30	0.50	J	0.35	0.70
E	0	0.10	L	0.92	0.98
F	0.45	0.55	M	0°	10°

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