



P-Channel Enhancement Mode Field Effect Transistor

Product Summary

V_{DS}	-19 V
I_D	-3.2 A
$R_{DS(ON)}$ (at $V_{GS}=-4.5V$)	65 m
$R_{DS(ON)}$ (at $V_{GS}=-2.5V$)	100 m
$R_{DS(ON)}$ (at $V_{GS}=-$	



Typical Electrical and Thermal Characteristics Diagrams

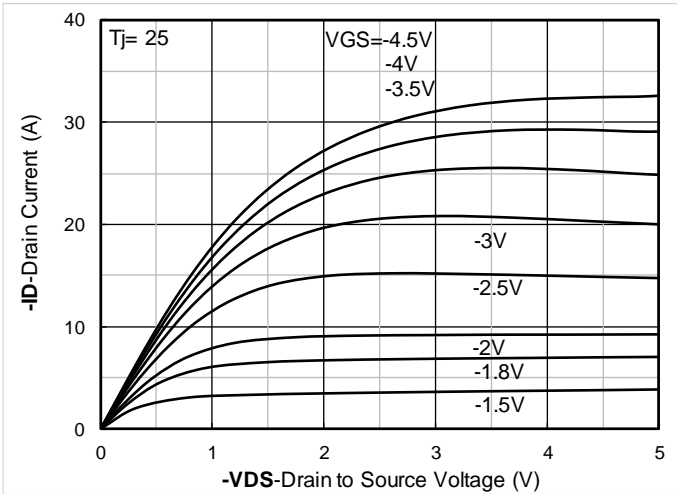


Figure 1. Output Characteristics



Figure 2. Transfer Characteristics

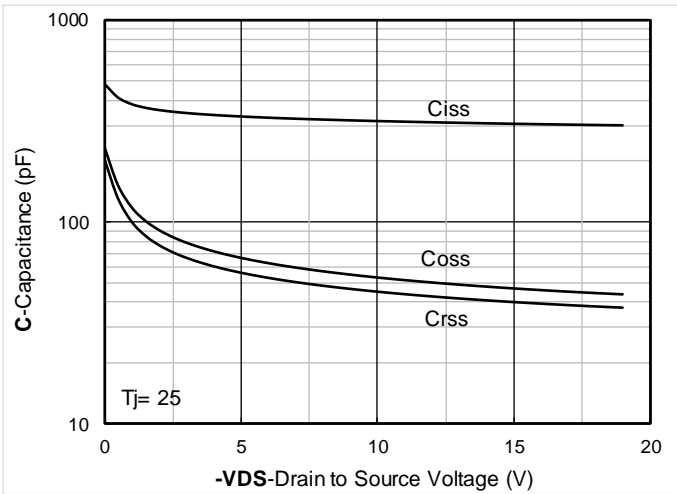


Figure 3. Capacitance Characteristics

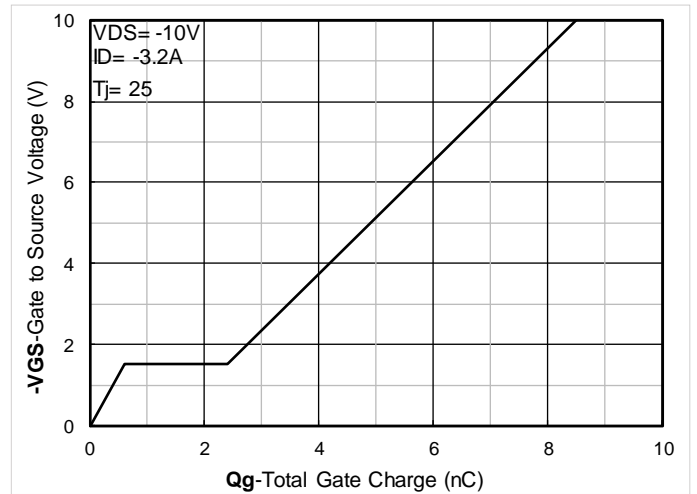


Figure 4. Gate Charge

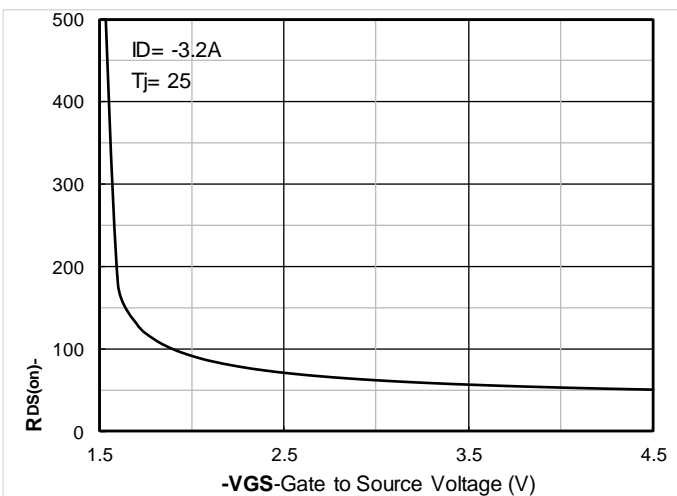


Figure 5. On-Resistance VS Gate to Source Voltage

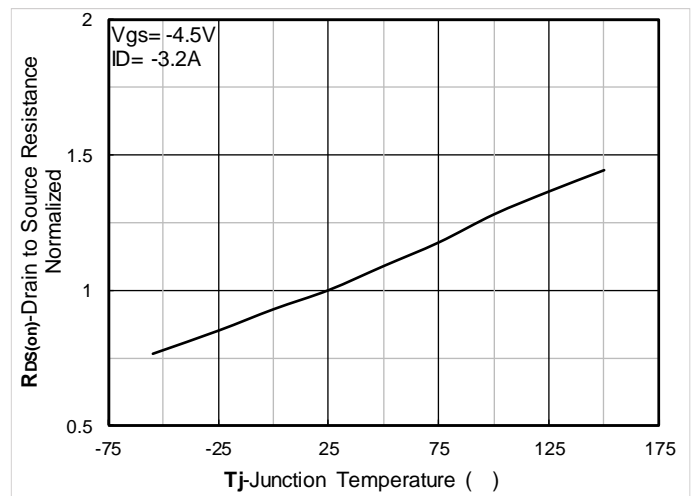


Figure 6. Normalized On-Resistance

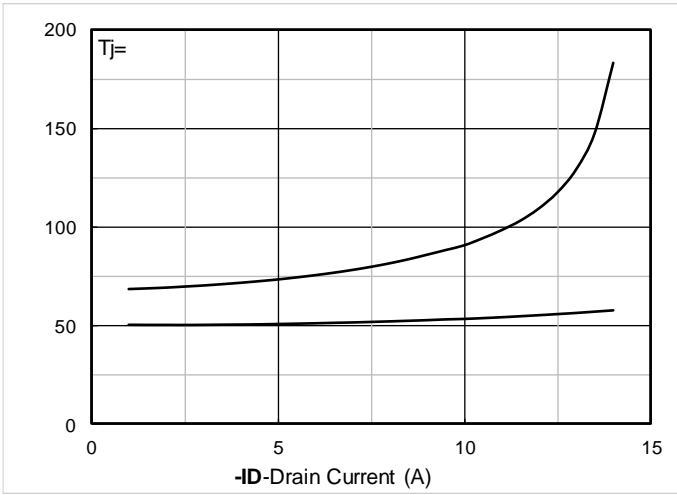


Figure 7. $R_{DS(on)}$ VS Drain Current

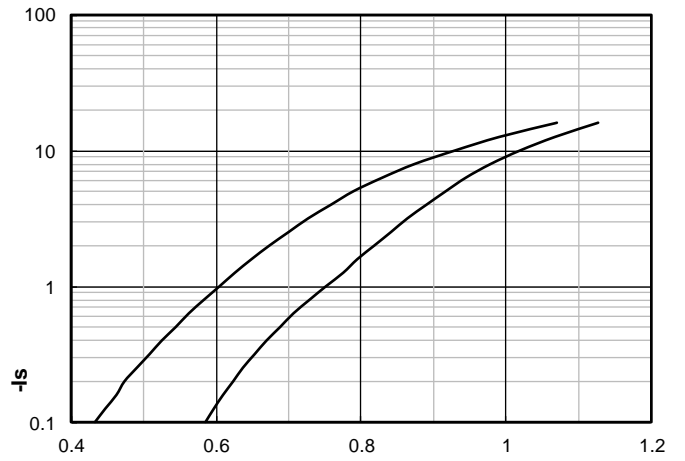


Figure 8. Forward characteristics of reverse diode

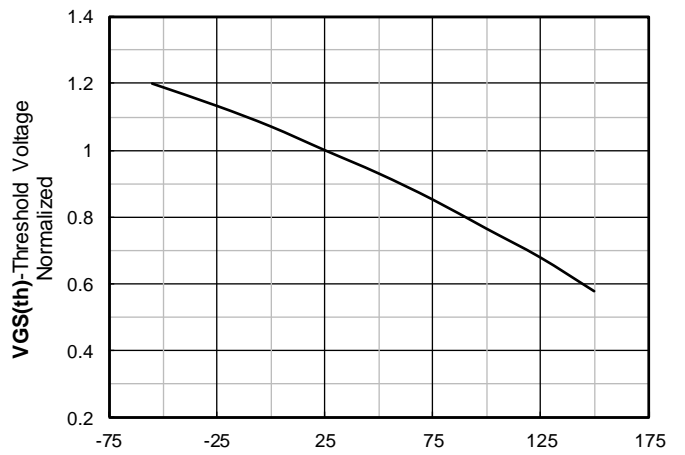


Figure 9. Normalized breakdown voltage

Figure 10. Normalized Threshold voltage

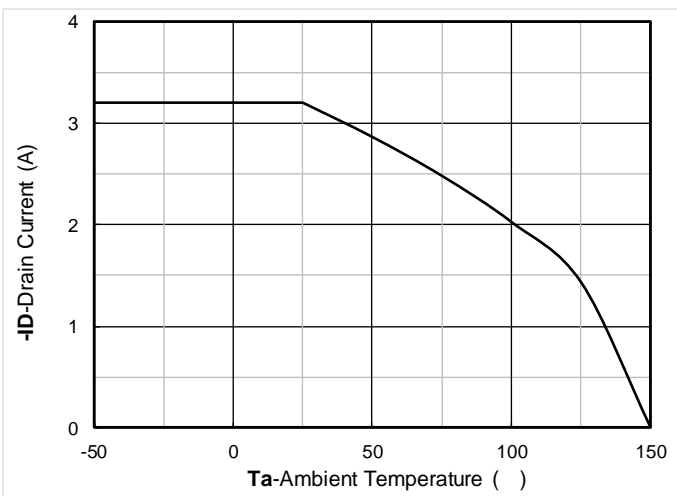
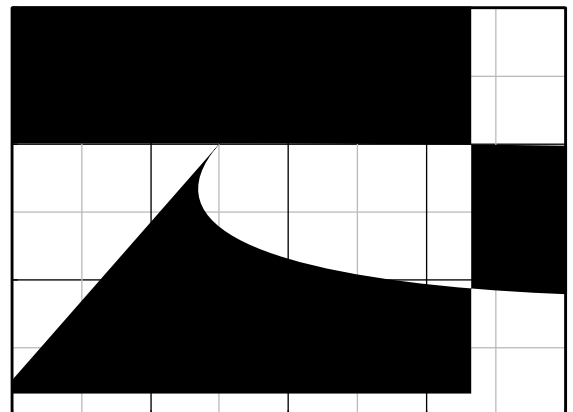


Figure 11. Current dissipation



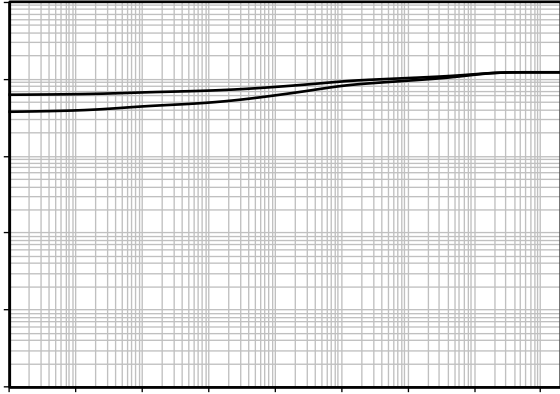


Figure 13. Maximum Transient Thermal Impedance

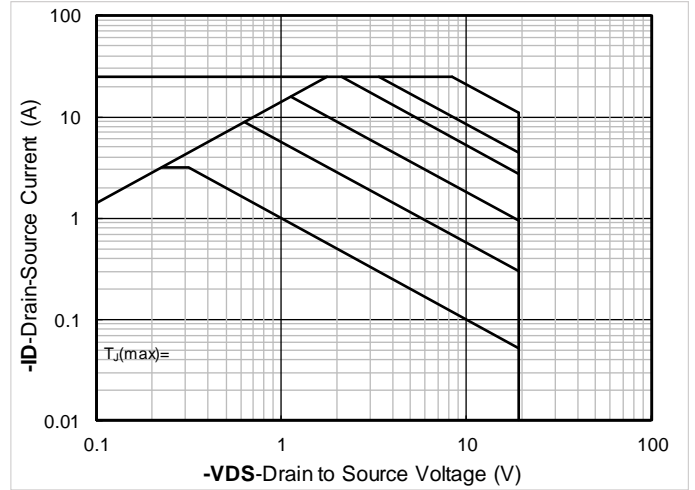
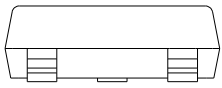
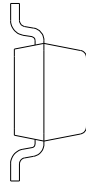
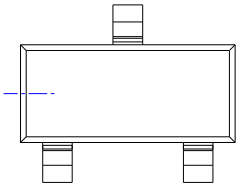


Figure 14. Safe Operation Area



SOT-23 Package information



UNIT mm



YJL2301L

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