



## N-Channel Enhancement Mode Field Effect Transistor

### Product Summary

$V_{DS}$	30V
$I_D$	5.6A
$R_{DS(ON)}$ ( at $V_{GS}$	





## Typical Electrical and Thermal Characteristics Diagrams

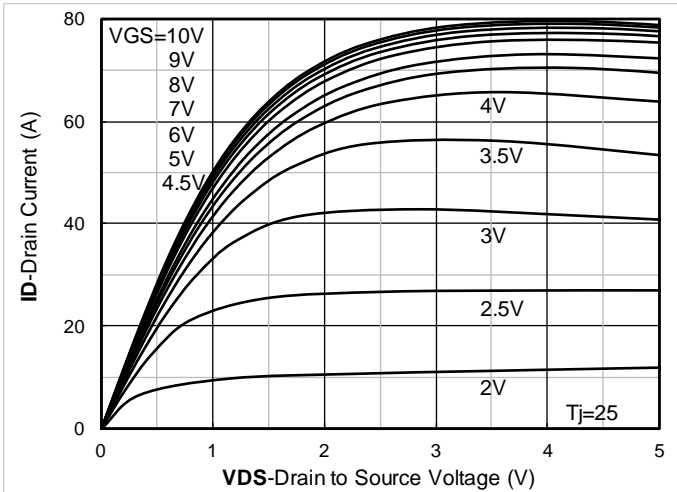


Figure 1. Output Characteristics

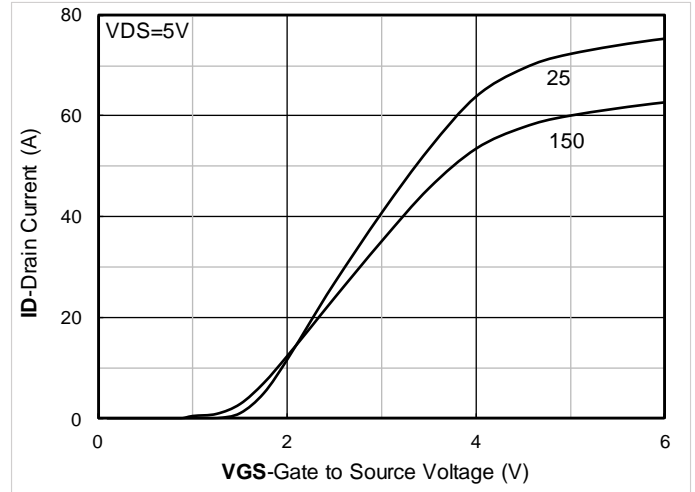


Figure 2. Transfer Characteristics

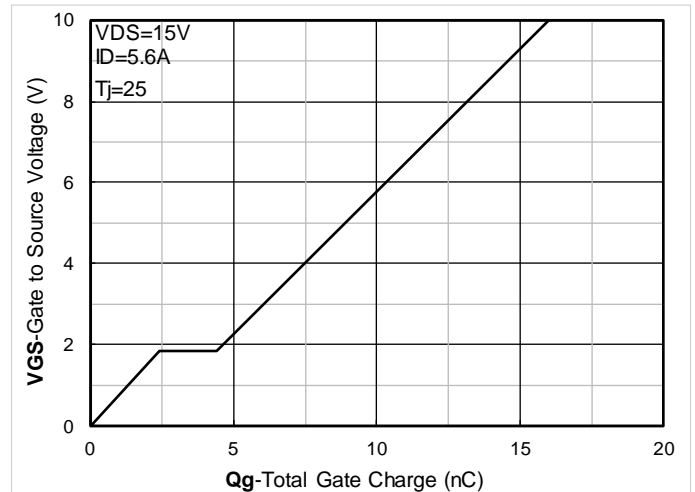


Figure 3. Capacitance Characteristics

Figure 4. Gate Charge

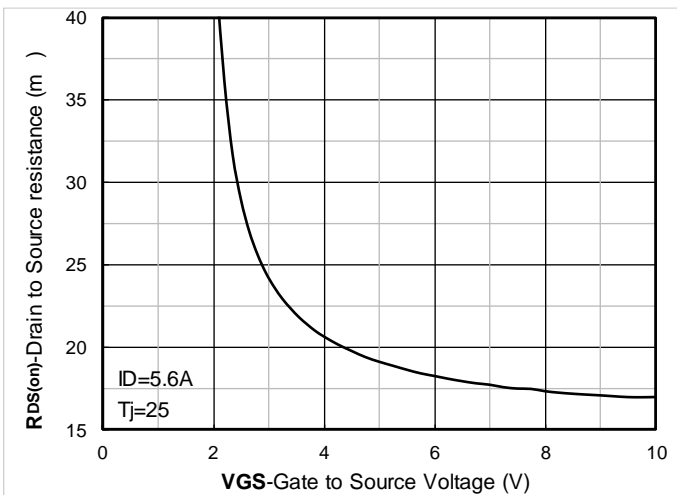


Figure 5. On-Resistance vs Gate to Source Voltage

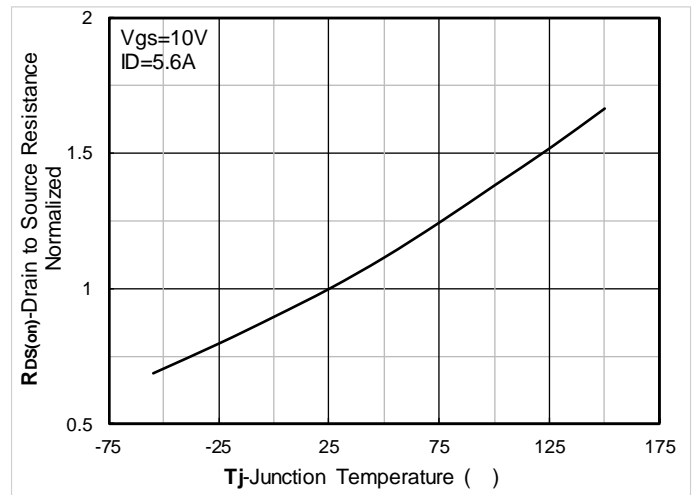


Figure 6. Normalized On-Resistance



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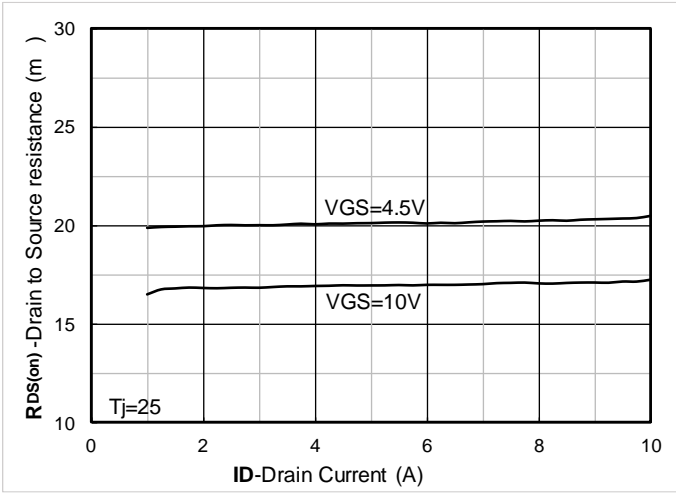


Figure 7. RDS(on) VS Drain Current

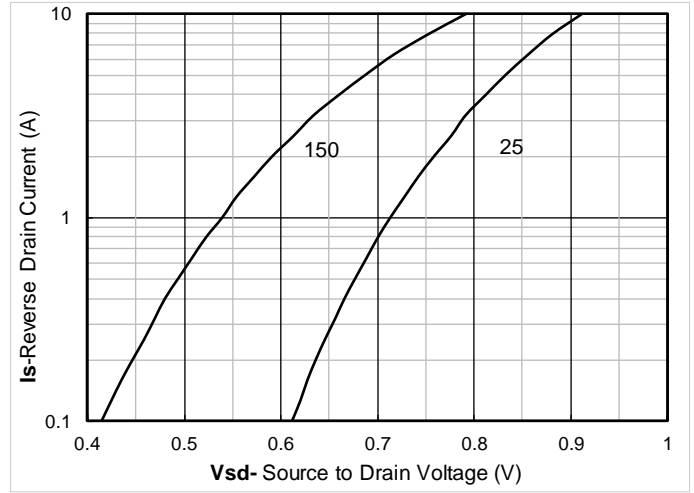


Figure 8. Forward characteristics of reverse diode

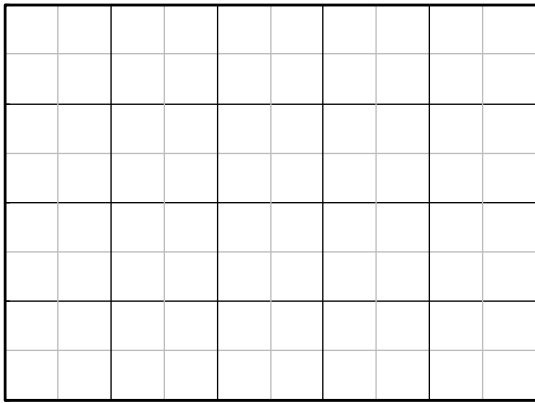


Figure 9. Normalized breakdown voltage

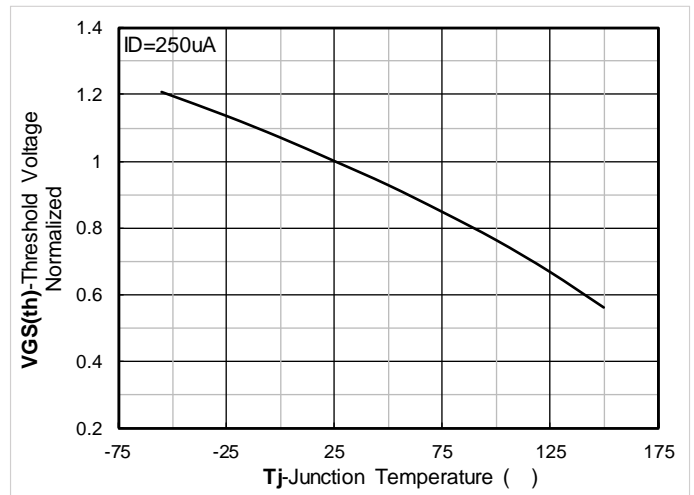


Figure 10. Normalized Threshold voltage

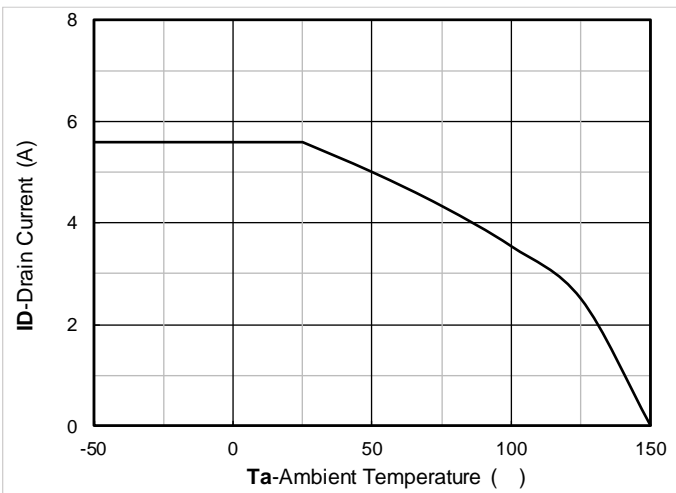


Figure 11. Current dissipation

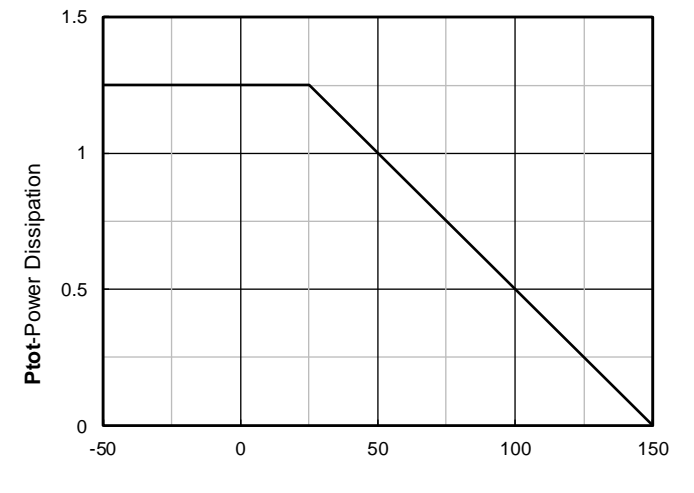


Figure 12. Power dissipation



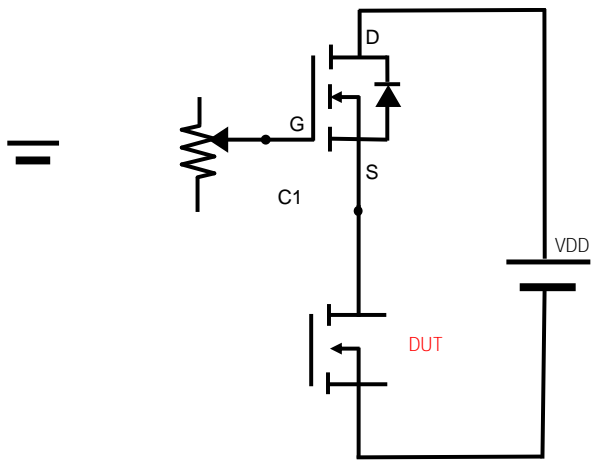
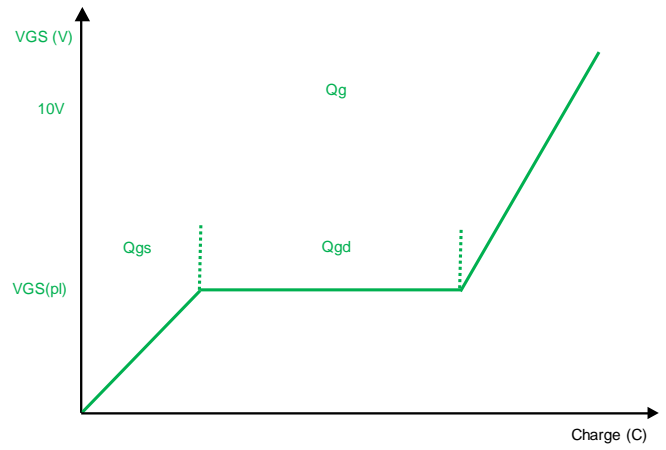


Figure B. G





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## SOT-23-6L Package information

