



YJF06C80HL

N-Channel Enhancement Mode Field Effect Transistor

Product Summary

" V_{DS} 800V

" I_D

" $R_{DS(ON)}$ (at $V_{GS}=10V$) 1.2

" 100% EAS Tested

" 100% V_{DS}



v Electrical Characteristics ($T_J=25$ unless otherwise noted)

Parameter



Typical Electrical and Thermal Characteristics Diagrams

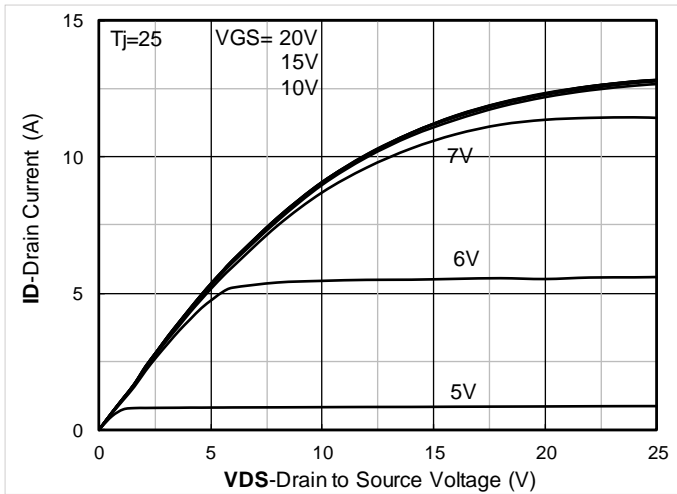


Figure 1. Output Characteristics

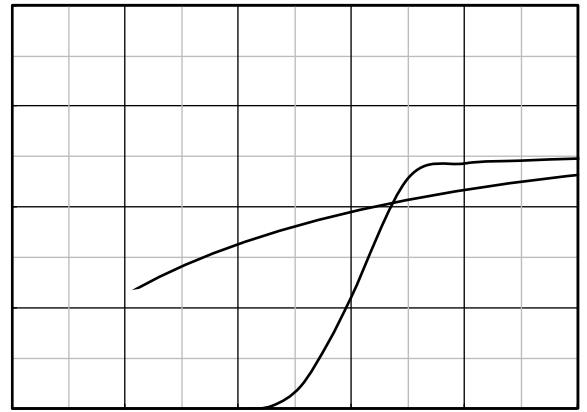


Figure 2.



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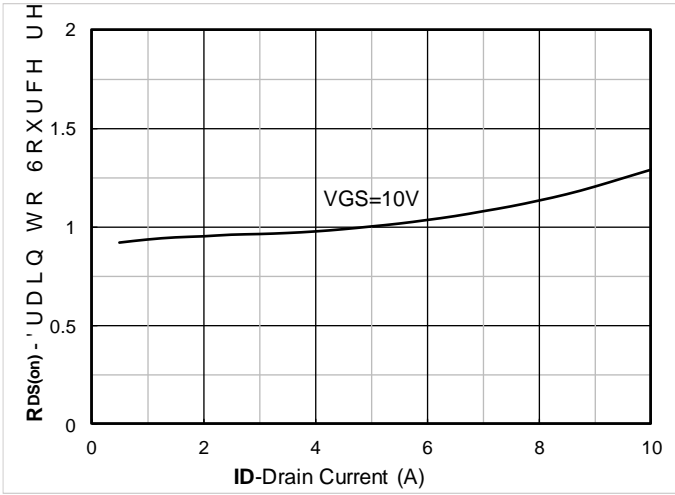


Figure 7. RDS(on) VS Drain Current

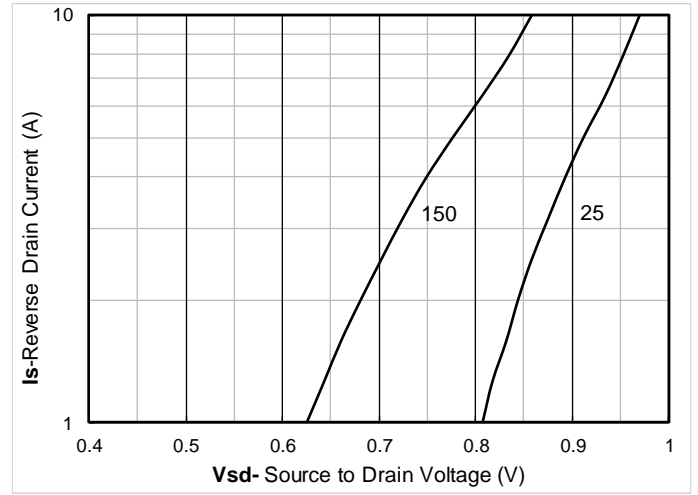


Figure 8. Forward characteristics of reverse diode

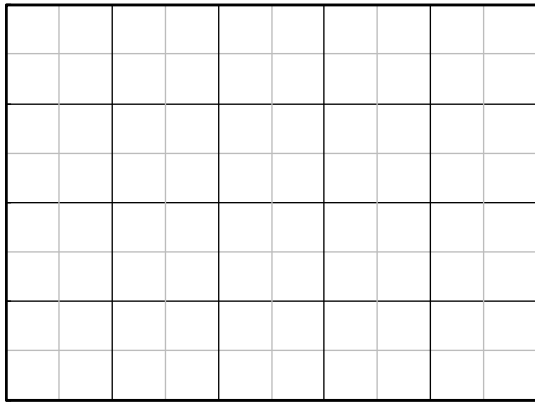


Figure 9. Normalized breakdown voltage

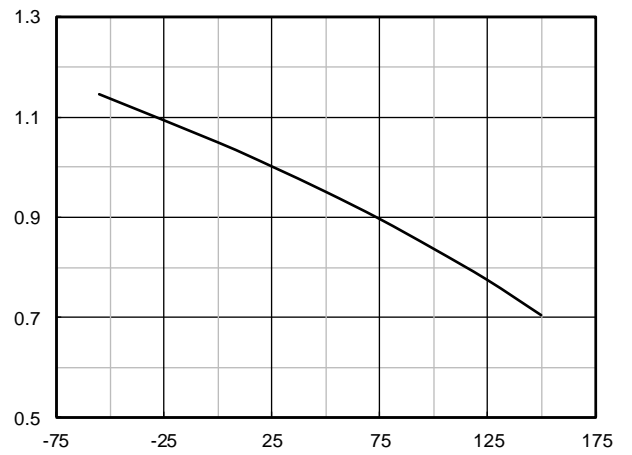


Figure 10. Normalized Threshold voltage

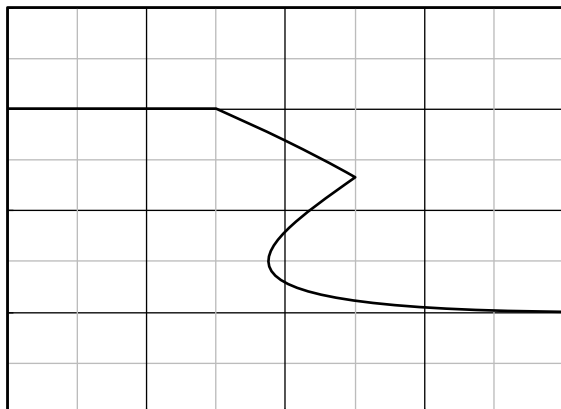


Figure 11. Current dissipation

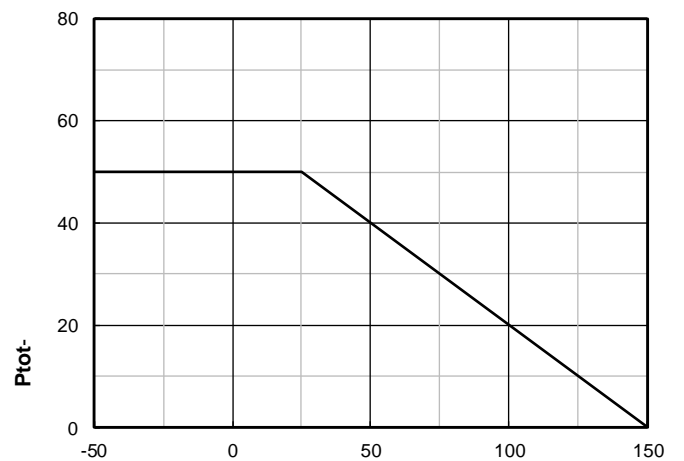


Figure 12. Power dissipation

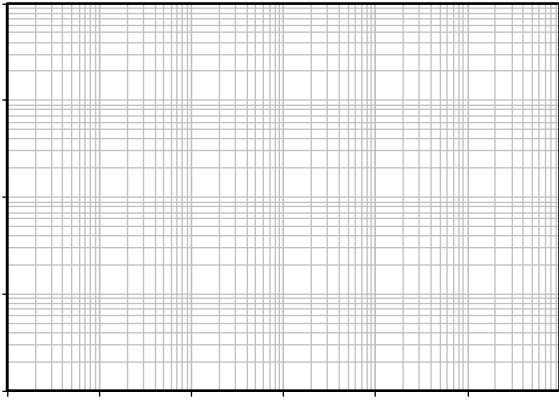


Figure 13. Maximum Transient Thermal Impedance

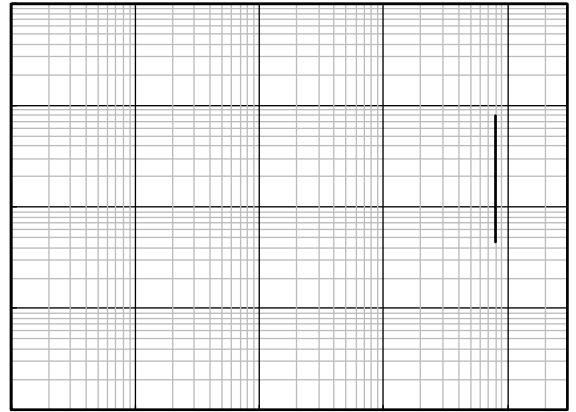


Figure 14. Safe Operation Area

vTest Circuits & Waveforms

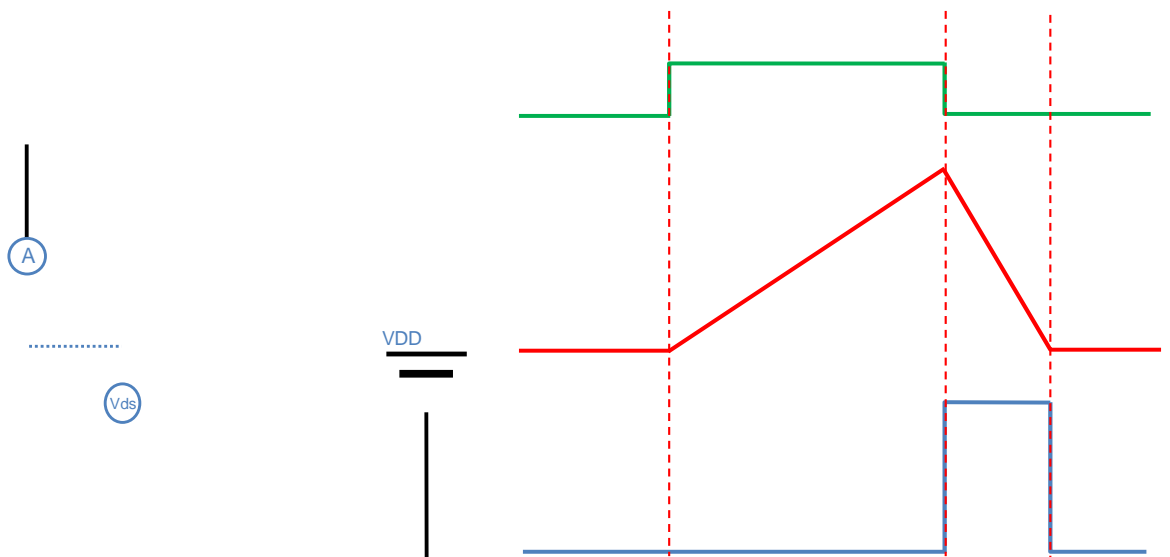


Figure A. Unclamped Inductive Switching (UIS) Test Circuit & Waveform



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