





# YJQ70G06A

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

Parameter	Symbol	Conditions	Min	Typ	Max	Units
<b>Static Parameter</b>						
Drain-Source Breakdown Voltage	$BV_{DSS}$	$V_{GS}=0V, I_D=250\mu A$	60	-	-	V
Zero Gate Voltage Drain Current	$I_{DSS}$	$V_{DS}=60V, V_{GS}$				



Typical Electrical and Thermal Characteristics Diagrams

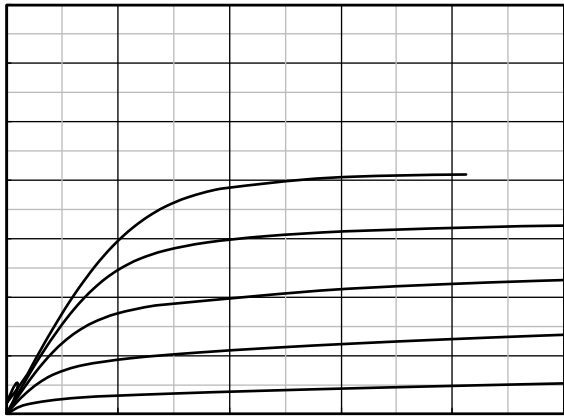


Figure 1. Output Characteristics

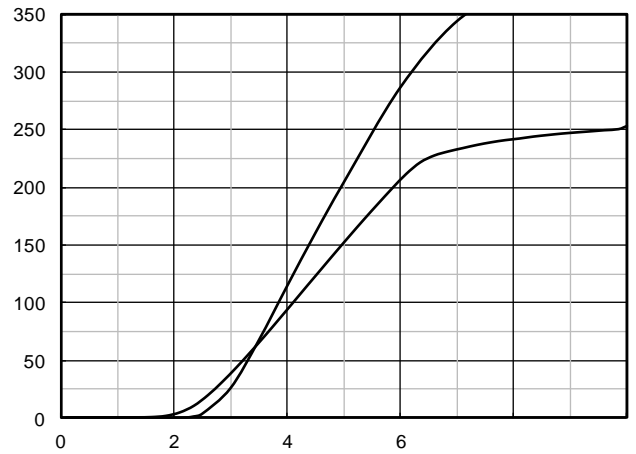


Figure 2. Transfer Characteristics

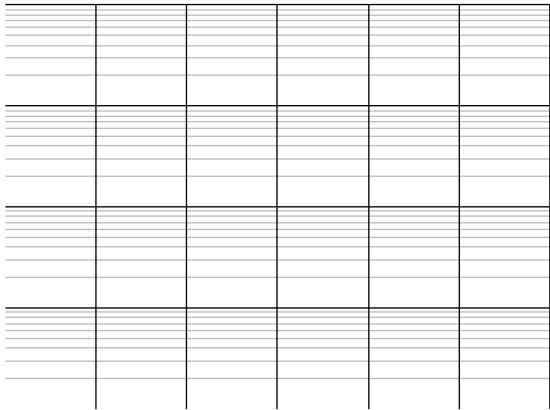


Figure 3. Capacitance Characteristics

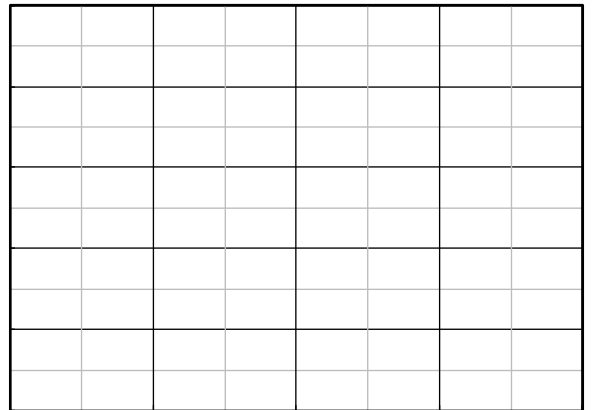


Figure 4. Gate Charge

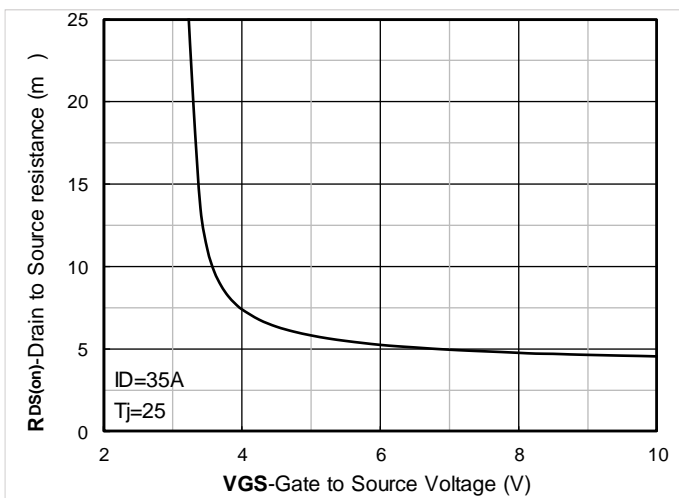
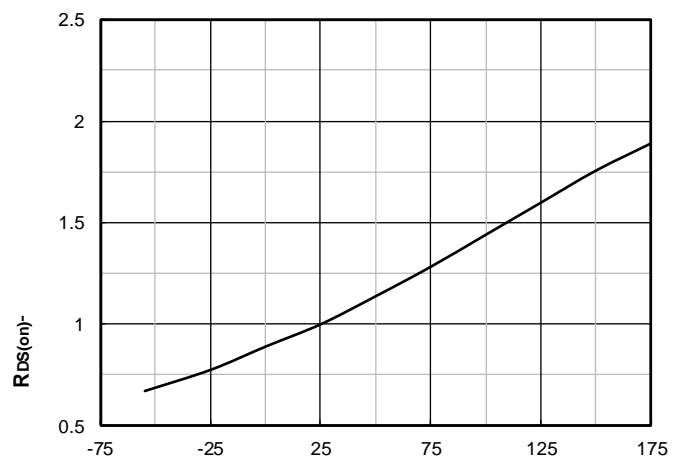


Figure 5.





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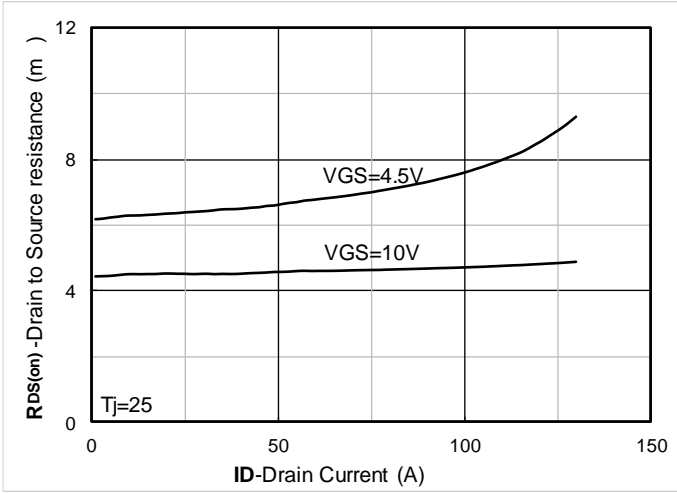


Figure 7. RDS(on) VS Drain Current

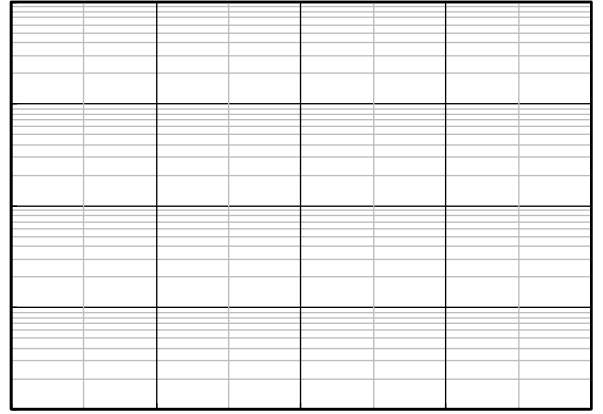


Figure 8. Forward characteristics of reverse diode

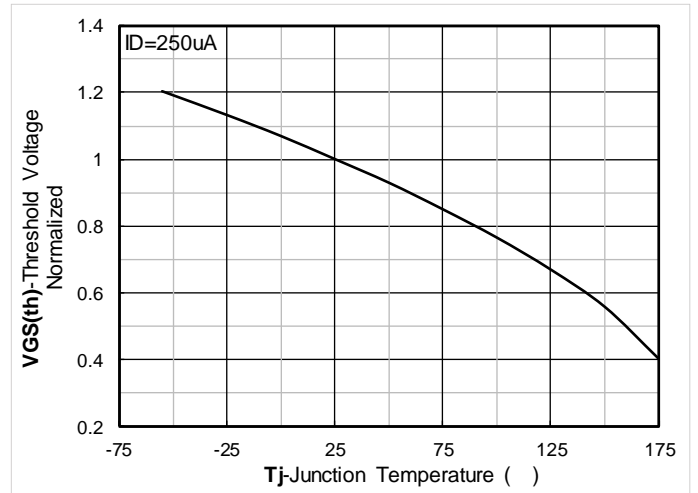
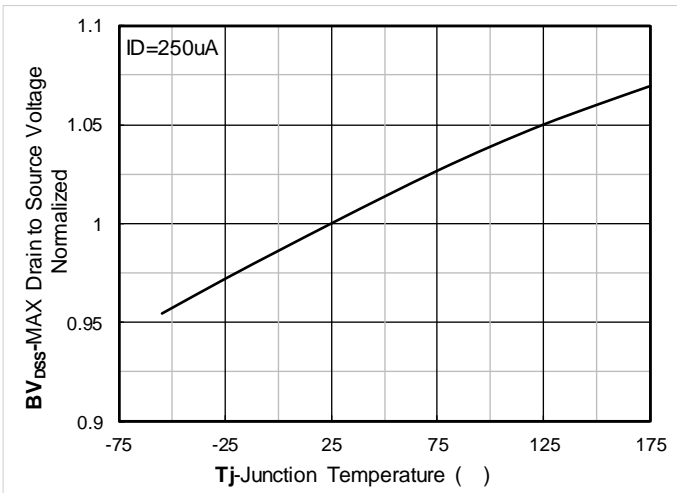


Figure 9. Normalized breakdown v8821Q EMC /P ÅCID 4/Lang (en6 355ag0008882 0 596.04 842.04 reW\* nBT/F5 9

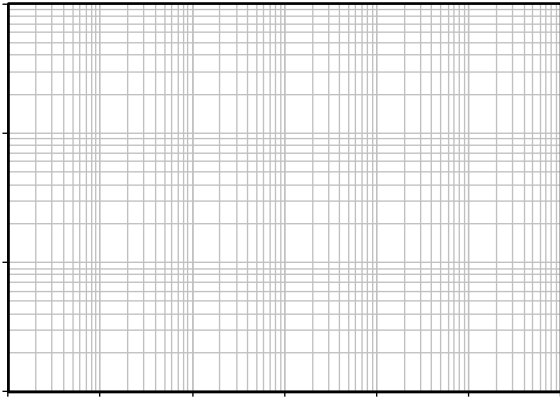


Figure 13. Maximum Transient Thermal Impedance

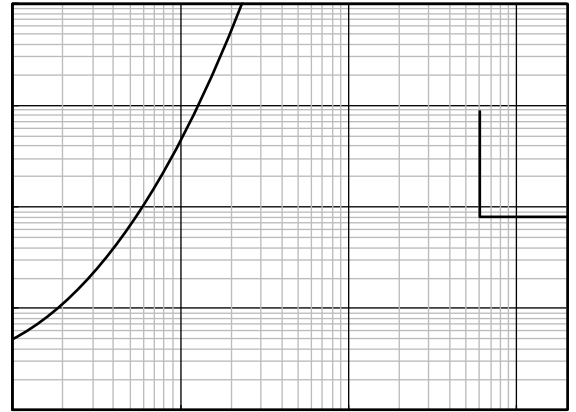


Figure 14. Safe Operation Area

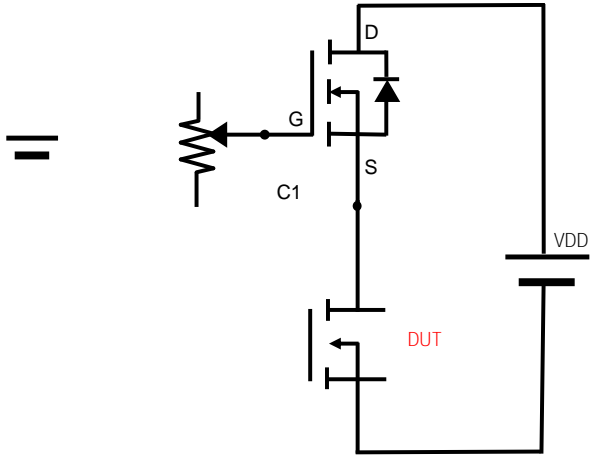
## Test Circuits & Waveforms



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

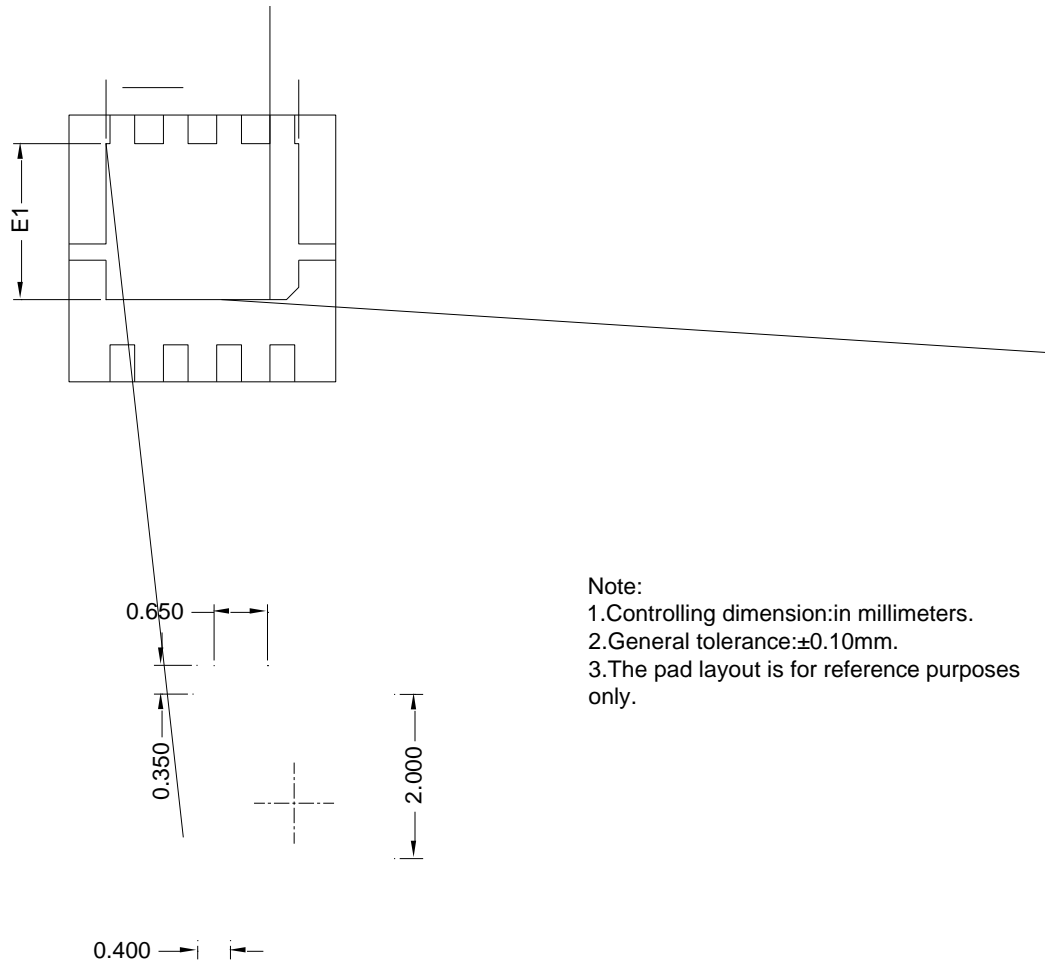


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DFN3333-8L-A-0.8MM Package information



Suggested Solder Pad Layout  
Top View



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