

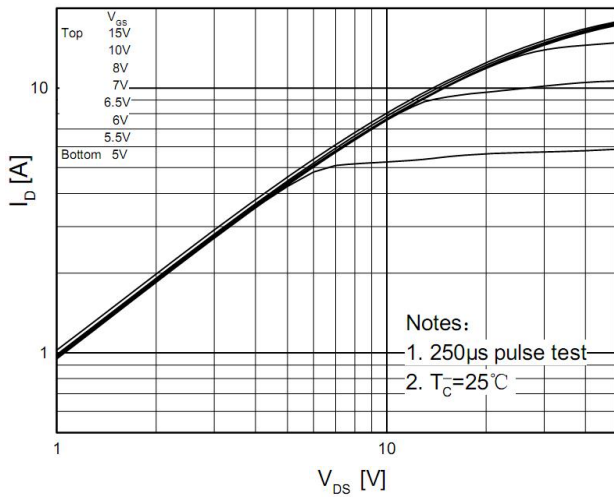


**Electrical Characteristics**

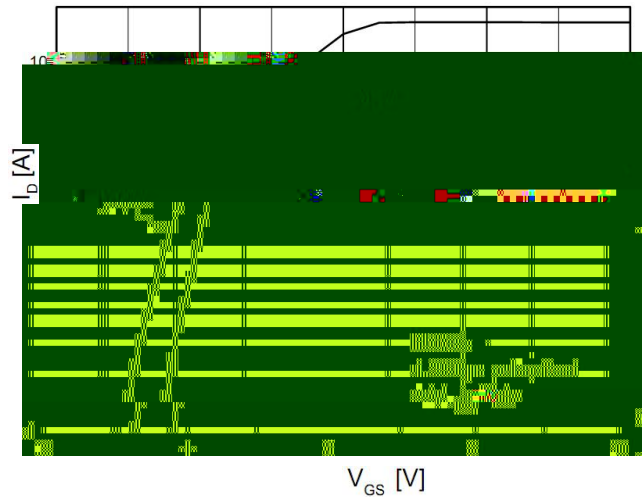
Off Characteristics						
△		○				○
△		○				
On Characteristics						
Dynamic Characteristics						
Switching Characteristics						
Drain-Source Diode Characteristics and Maximum Ratings						

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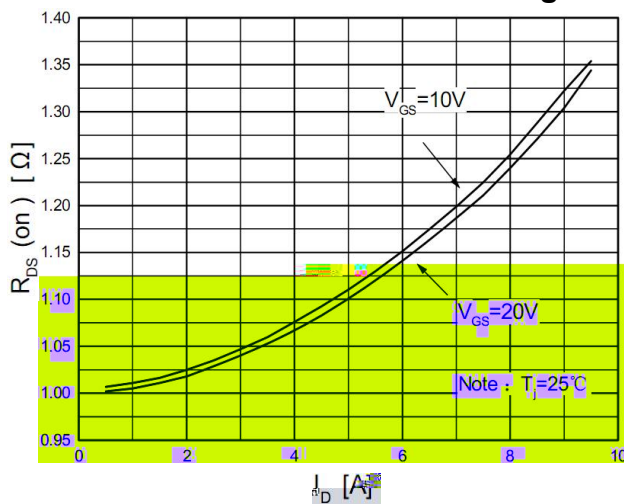
### On-Regin Characteristics



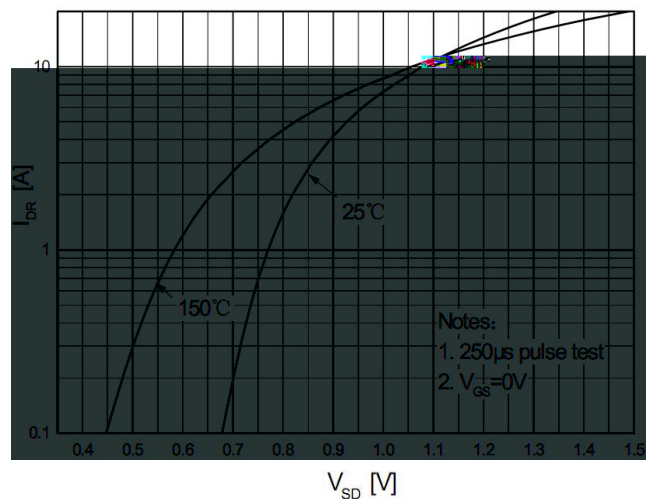
### Transfer Characteristics



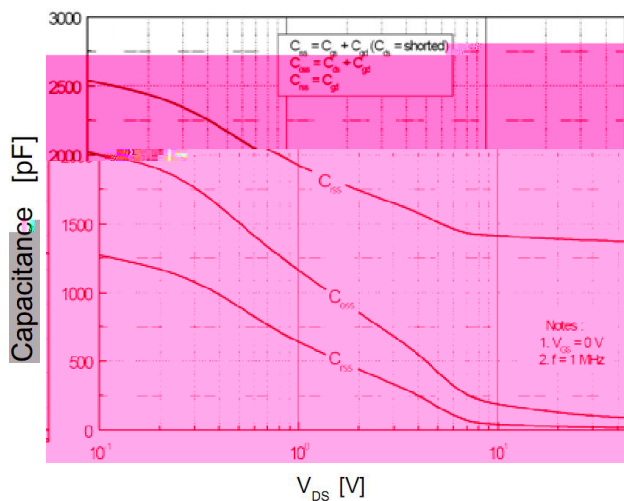
### On-Resistance Variation vs. Drain Current and Gate Voltage



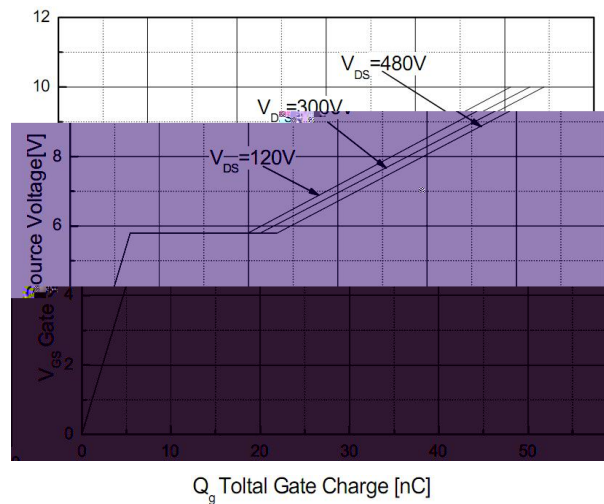
### Body Diode Forward Voltage Variation vs. Source Current and Temperature



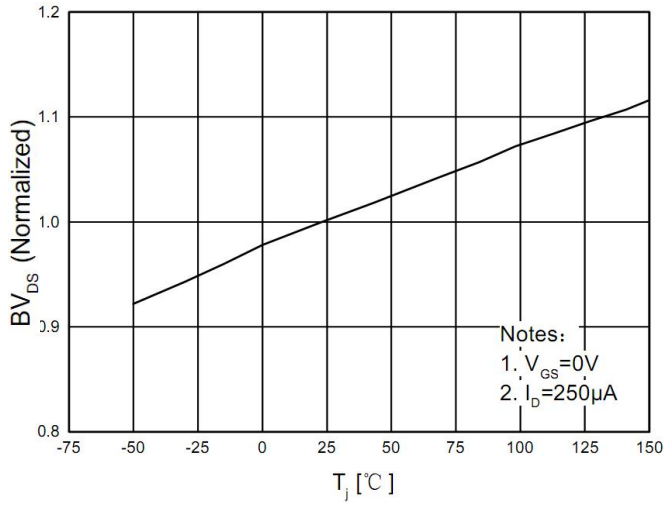
### Capacitance Characteristics



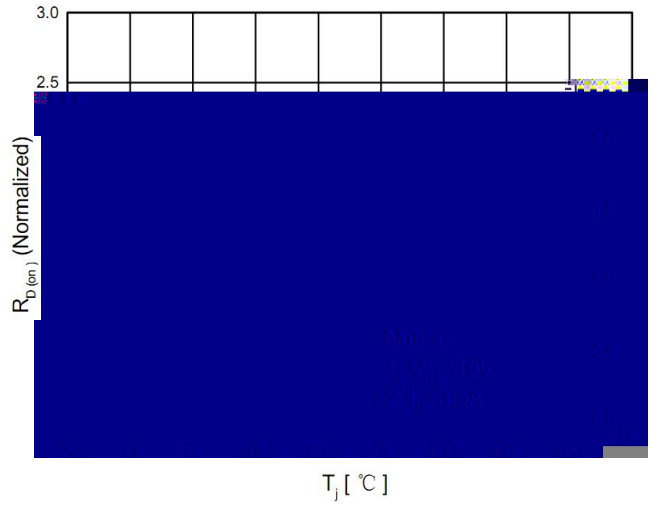
### Gate Charge Characteristics



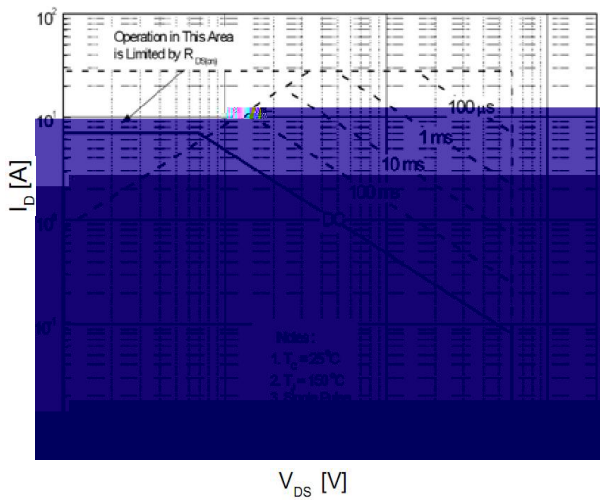
**Breakdown Voltage Variation vs. Temperature**



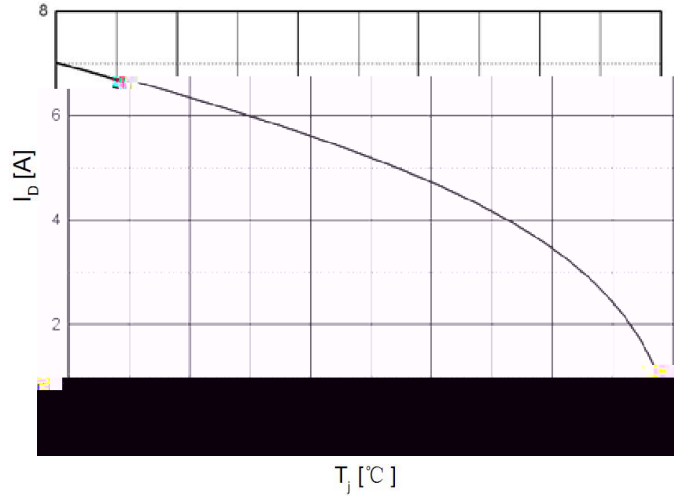
**On-Resistance Variation vs. Temperature**



**Maximum Safe Operating Area**



**Maximum Drain Current Vs. Case Temperature**



# TO-220F Package Dimensions

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