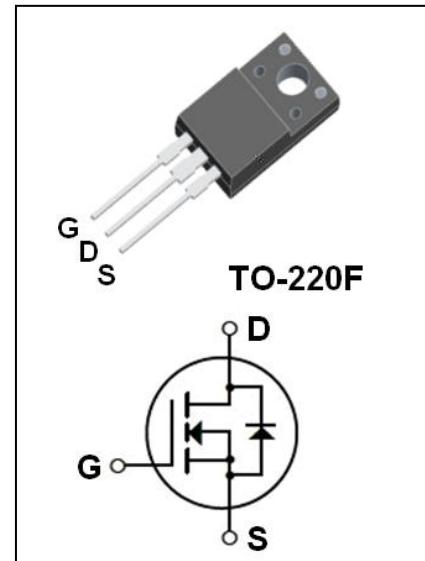


Features:



Application:

Absolute Maximum Ratings

A scatter plot showing absolute maximum ratings across 10 rows. The plot includes two data series: one represented by open circles and another by a plus sign (+).

Row	Series A (Open Circles)	Series B (+)
1		
2		
3		
4		
5		
6		
7		
8	(○)	
9		+
10	○	○

*

Thermal Characteristics

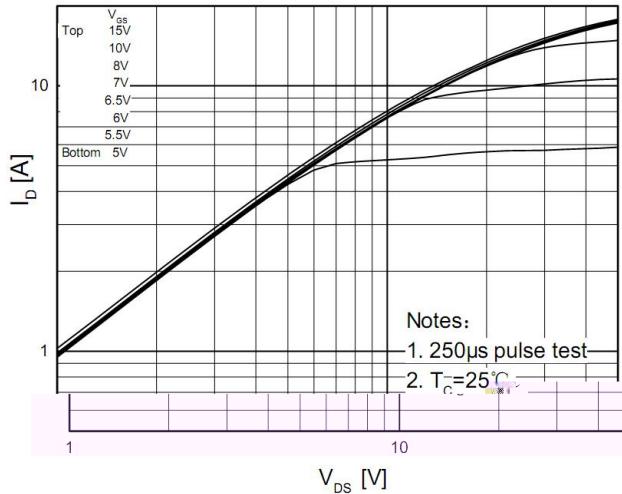
Thermal characteristics			
			o
			o

Electrical Characteristics

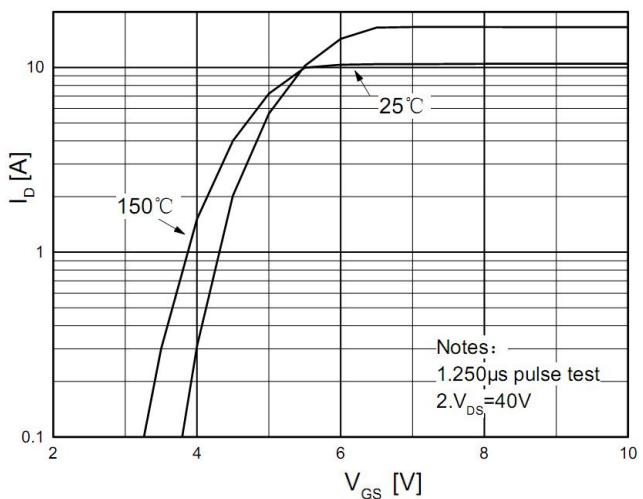
°

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

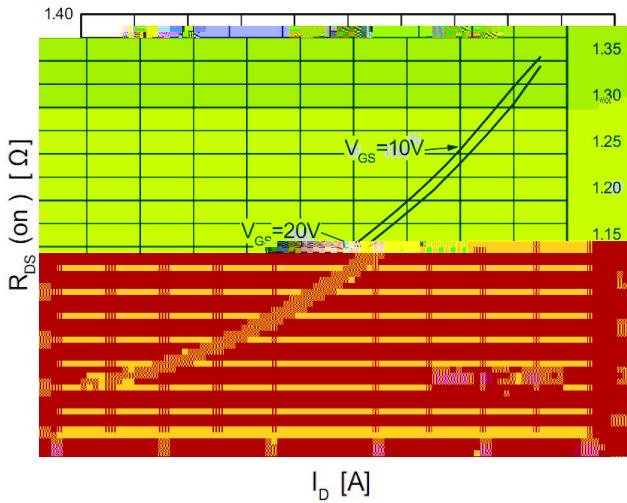
On-Region Characteristics



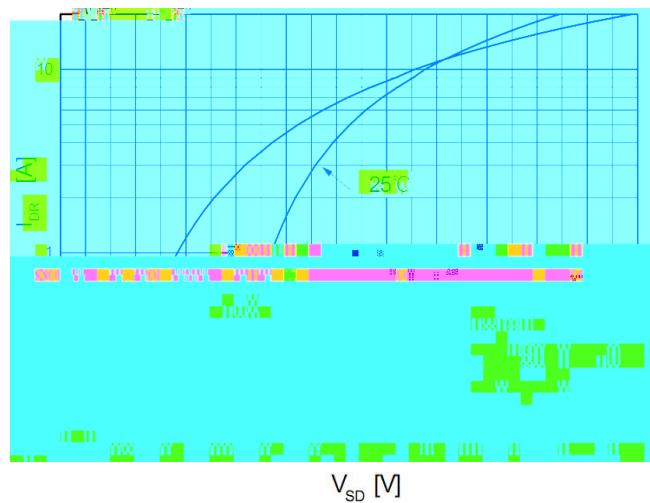
Transfer Characteristics



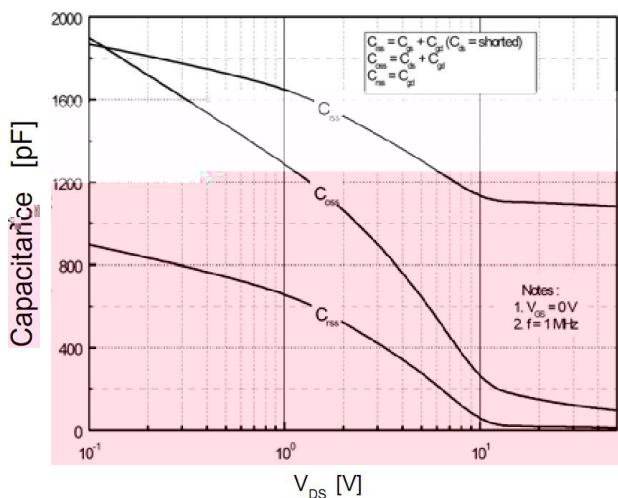
On-Resistance Variation vs. Drain Current and Gate Voltage



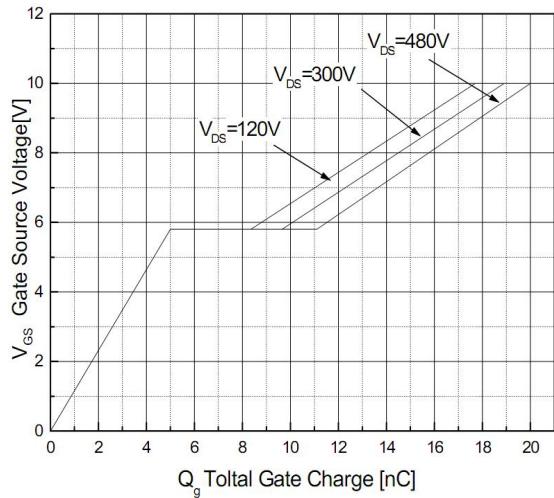
Body Diode Forward Voltage Variation vs. Source Current and Temperature



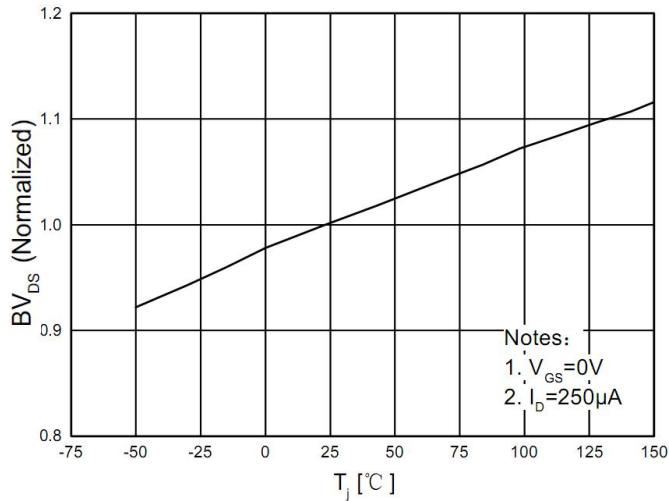
Capacitance Characteristics



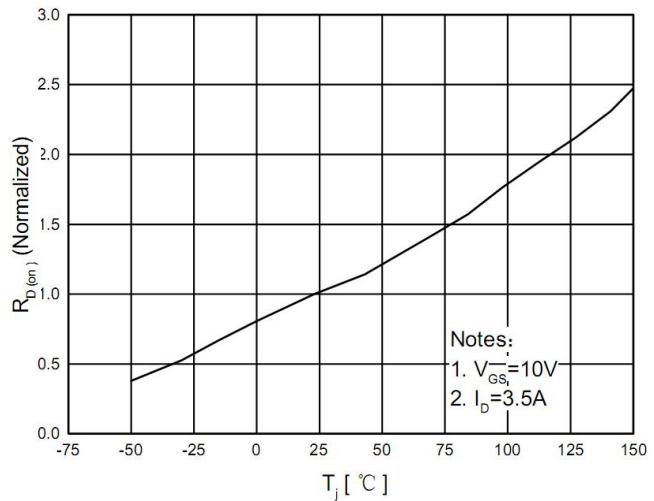
Gate Charge Characteristics



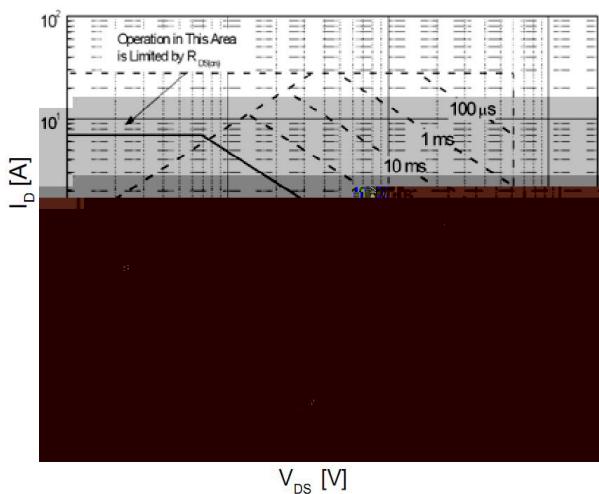
Breakdown Voltage Variation vs. Temperature



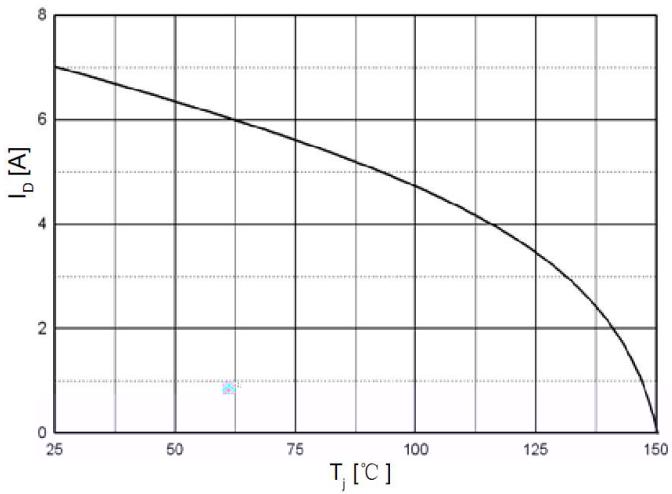
On-Resistance Variation vs. Temperature



Maximum Safe Operating Area



Maximum Drain Current Vs. Case Temperature



TO-220F Package Dimensions

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