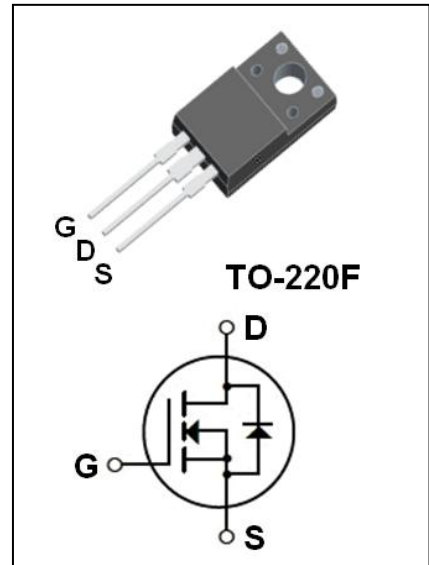


Features:

Application:



**Absolute Maximum Ratings**

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**Thermal Characteristics**

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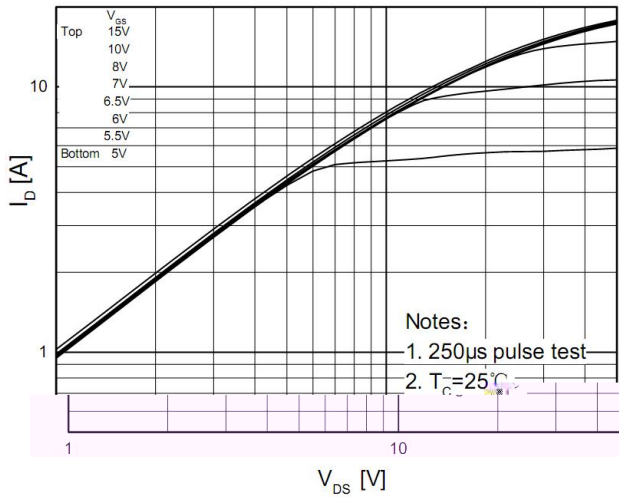
**Electrical Characteristics** ○

|   |  |   |  |  |  |   |
|---|--|---|--|--|--|---|
|   |  |   |  |  |  |   |
| <b>Off Characteristics</b>                                    |  |   |  |  |  |   |
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| △   |  | ○ |  |  |  | ○ |
| △   |  |   |  |  |  |   |
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| <b>On Characteristics</b>                                     |  |   |  |  |  |   |
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| <b>Dynamic Characteristics</b>                                |  |   |  |  |  |   |
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| <b>Switching Characteristics</b>                              |  |   |  |  |  |   |
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| <b>Drain-Source Diode Characteristics and Maximum Ratings</b> |  |   |  |  |  |   |
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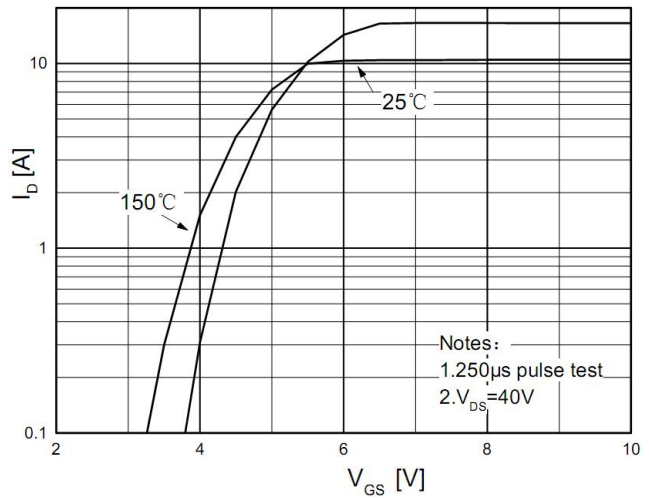
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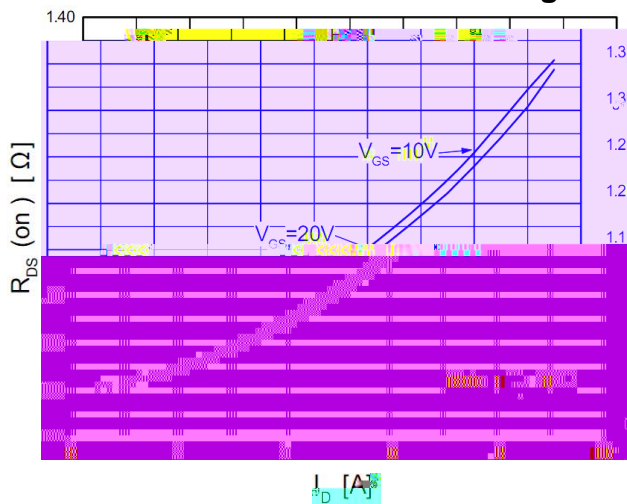
### On-Regin Characteristics



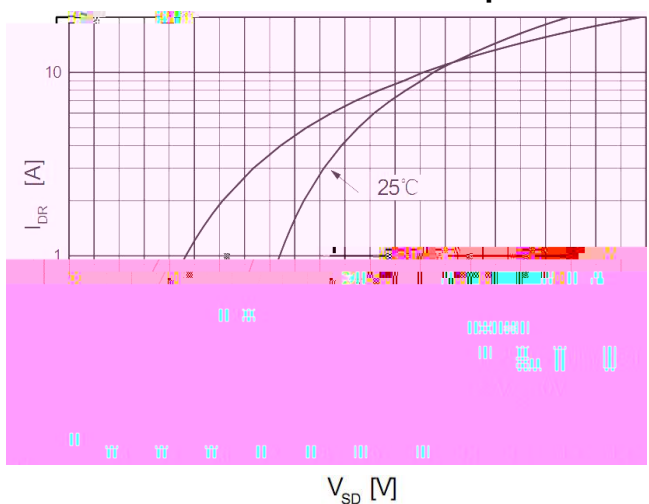
### Transfer Characteristics



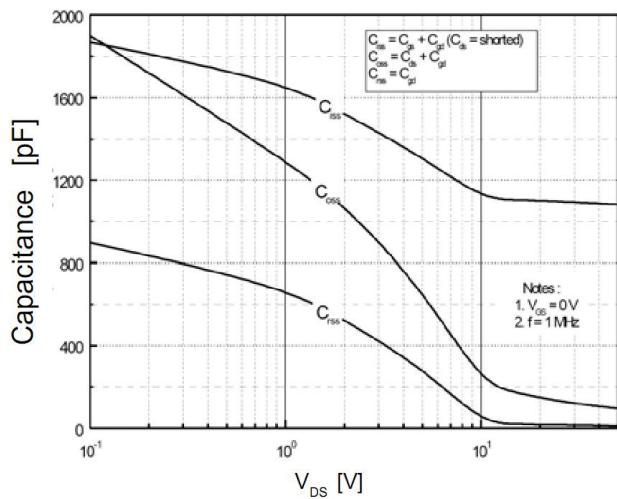
### On-Resistance Variation vs. Drain Current and Gate Voltage



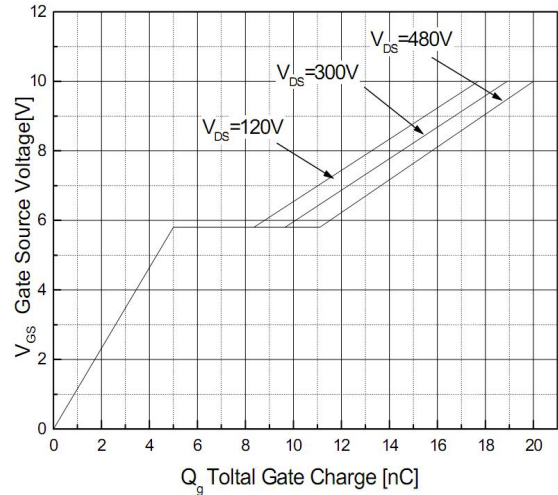
### Body Diode Forward Voltage Variation vs. Source Current and Temperature



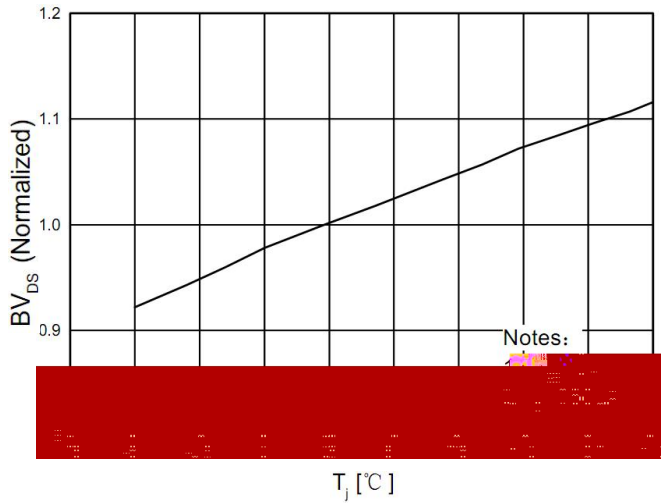
### Capacitance Characteristics



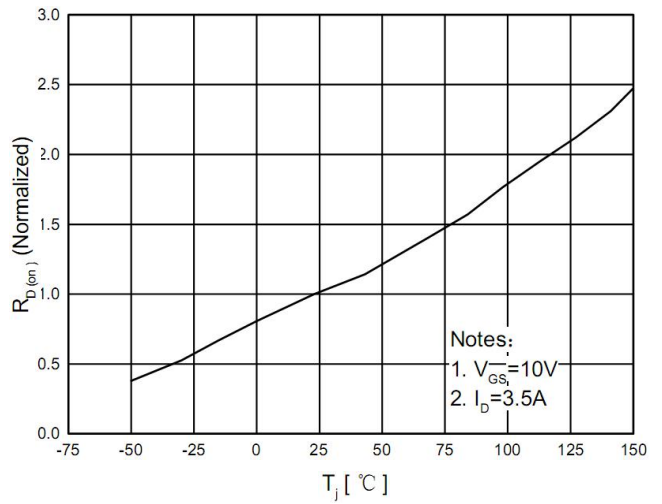
### Gate Charge Characteristics



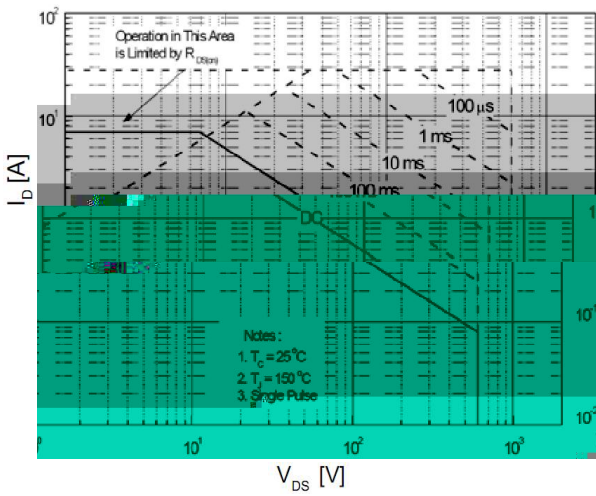
**Breakdown Voltage Variation vs. Temperature**



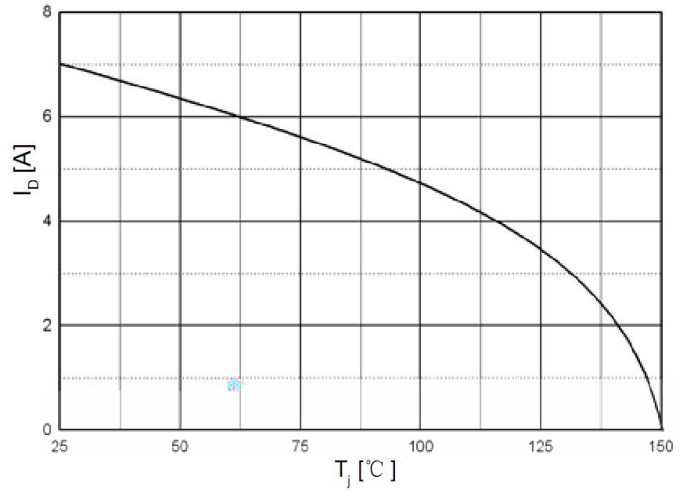
**On-Resistance Variation vs. Temperature**



**Maximum Safe Operating Area**



**Maximum Drain Current Vs. Case Temperature**



# TO-220F Package Dimensions

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