

## General Description

## Features

**GreenMOS<sup>®</sup>**

**RoHS**  
compliant

## Applications

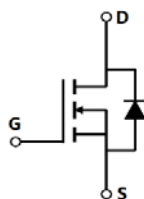
## Key Performance Parameters

Parameter	Value	Unit

## Marking Information

Product Name	Package	Marking

## Package & Pin Information



**Absolute Maximum Ratings**

Parameter	Symbol	Value	Unit

**Dynamic Characteristics**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition

**Gate Charge Characteristics**

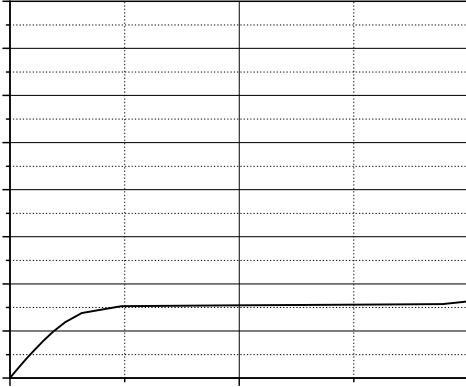
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition

**Body Diode Characteristics**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition
						$V_R = 400\text{ V}$

**Note**

### Electrical Characteristics Diagrams



**Figure 1. Typ. output characteristics**

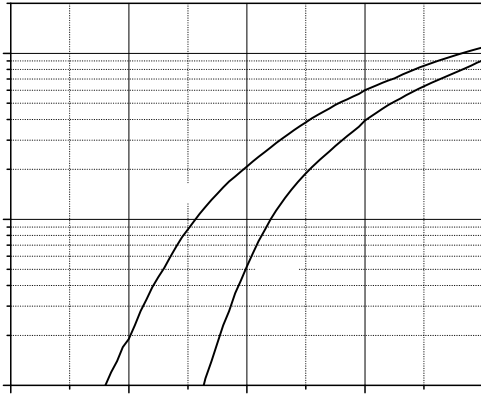
**Figure 2. Typ. transfer characteristics**

**Figure 3. Typ. capacitances**

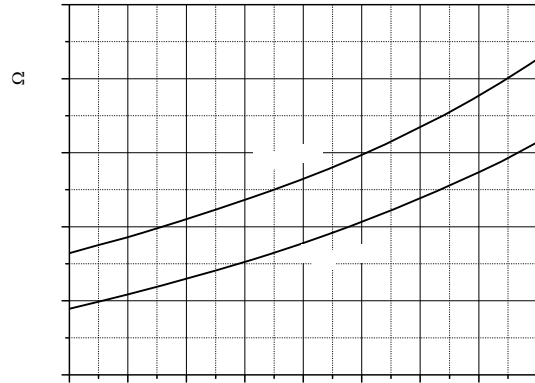
**Figure 4. Typ. gate charge**

**Figure 5. Drain-source breakdown voltage**

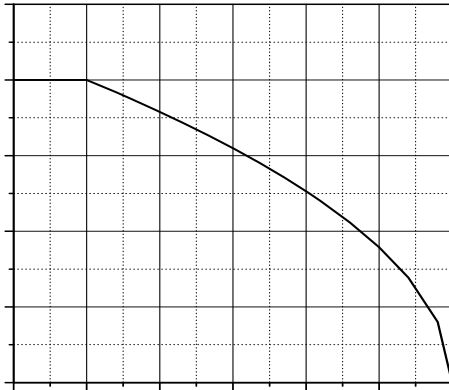
**Figure 6. Drain-source on-state resistance**



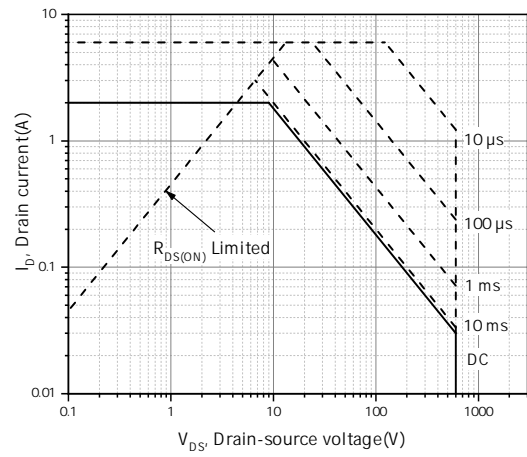
**Figure 7. Forward characteristic of body diode**



**Figure 8. Drain-source on-state resistance**

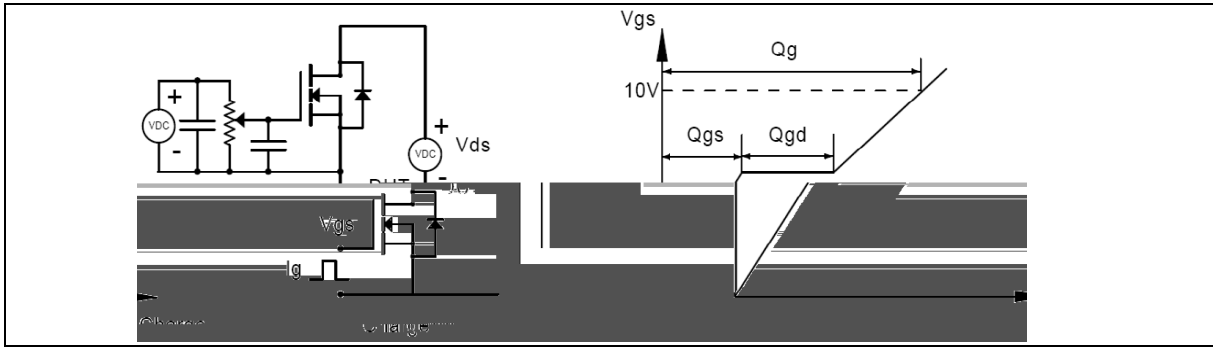


**Figure 9. Drain current**

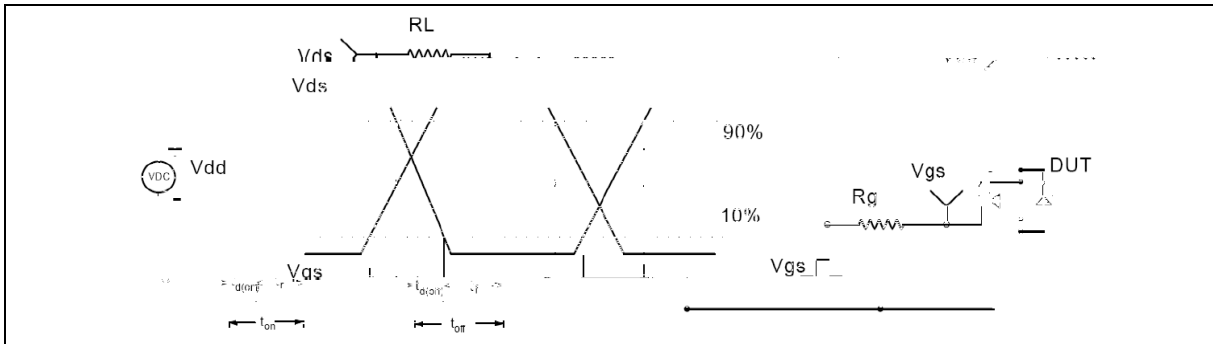


**Figure 10. Safe operation area  $T_c=25\text{ }^\circ\text{C}$**

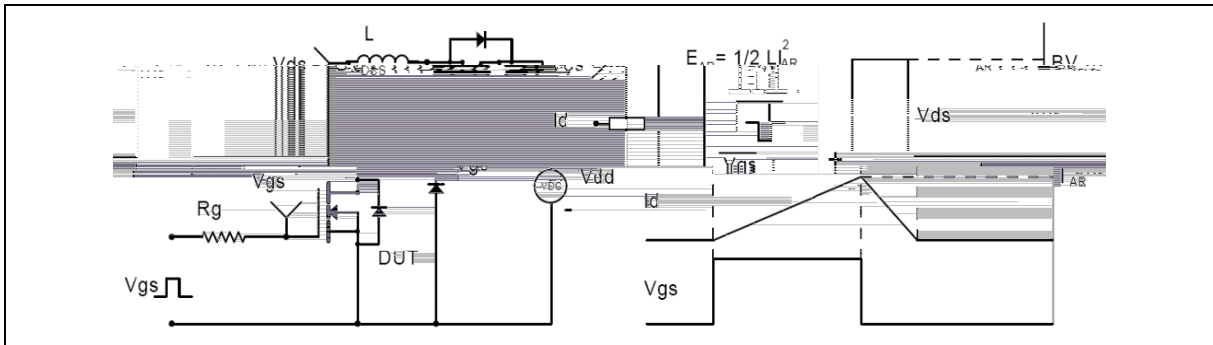
**Test circuits and waveforms**



**Figure 1. Gate charge test circuit & waveform**



**Figure 2. Switching time test circuit & waveforms**



**Figure 3. Unclamped inductive switching (UIS) test circuit & waveforms**



**Figure 4. Diode reverse recovery test circuit & waveforms**







**Ordering Information**

Package Type	Units/ Tube	Tubes / Inner Box	Units/ Inner Box	Inner Boxes/ Carton Box	Units/ Carton Box

**Product Information**

Product	Package	Pb Free	RoHS	Halogen Free

**Legal Disclaimer**

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