

The GreenMOS® high voltage MOSFET utilizes charge balance technology to achieve outstanding low on-resistance and lower gate charge. It is engineered to minimize conduction loss, provide superior switching performance and robust avalanche capability.

The GreenMOS® Generic series is optimized for extreme switching performance to minimize switching loss. It is tailored for high power density applications to meet the highest efficiency standards.



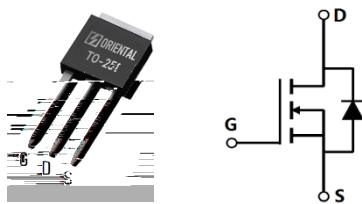
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Parameter	Value	Unit
$V_{DS, min} @ T_{j(max)}$	700	V
$I_D, pulse$	9	A
$R_{DS(ON)}, max @ V_{GS}=10V$	2	
$Q_g$	6.3	nC

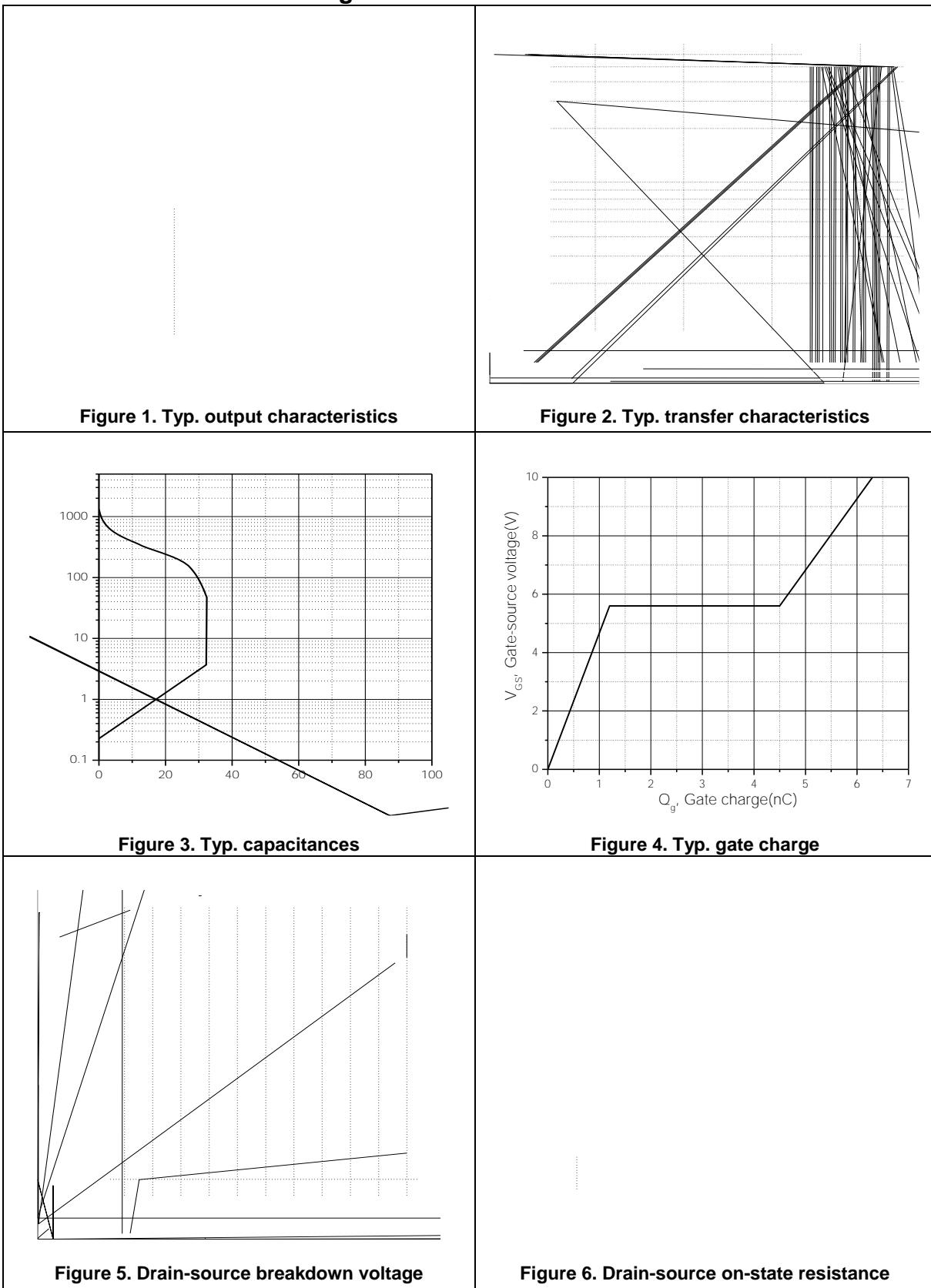
Product Name	Package	Marking
OSG65R2KAF	TO251	OSG65R2KA







### Electrical Characteristics Diagrams



**OSG65R2KAF**

Enhancement Mode N-

### Test circuits and waveforms

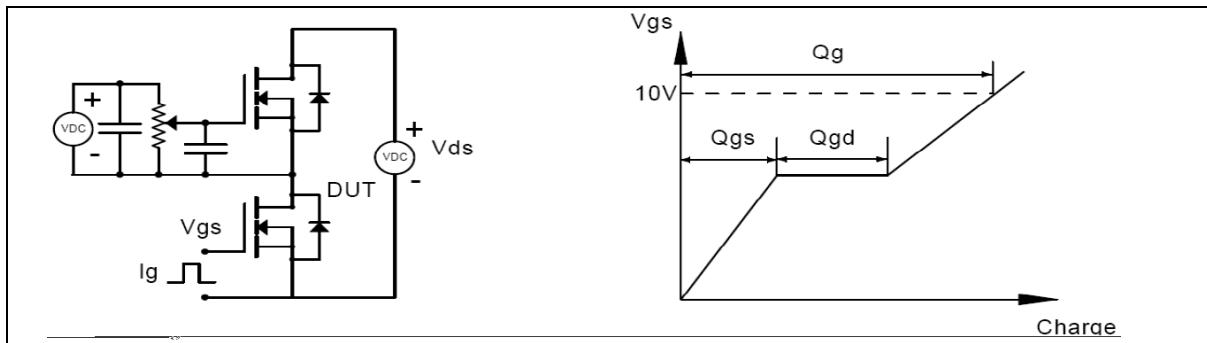


Figure 1. Gate charge test circuit & waveform

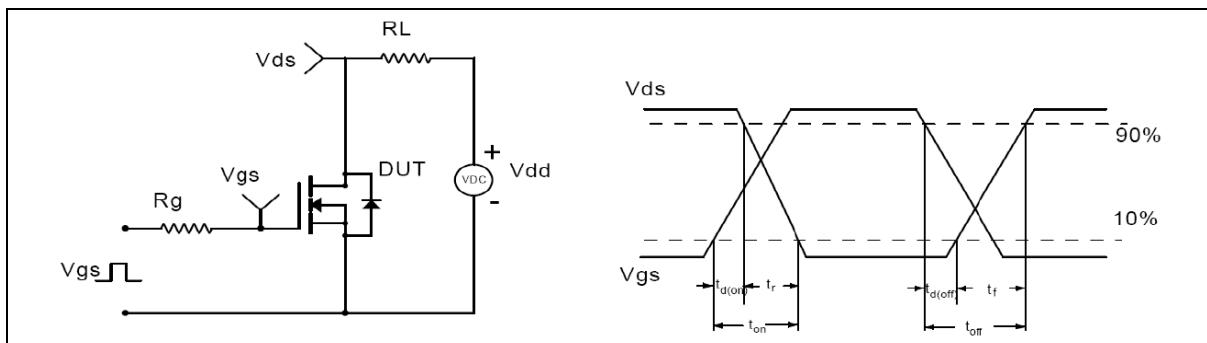


Figure 2. Switching time test circuit & waveforms

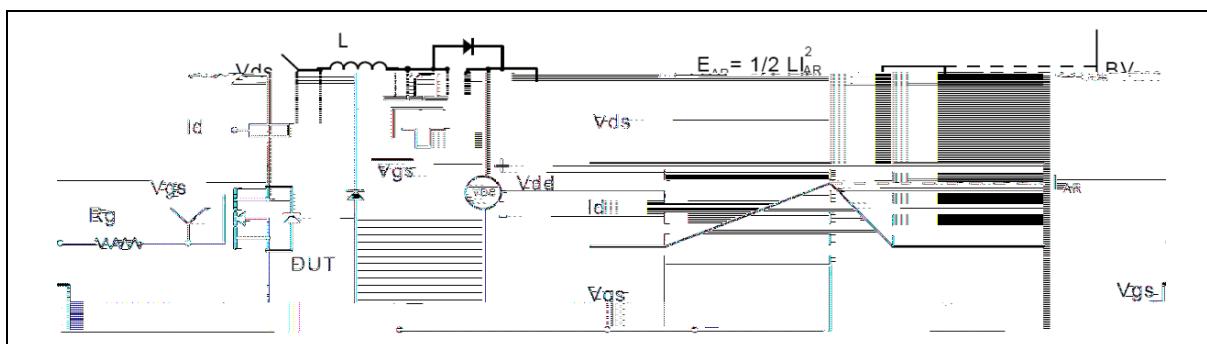


Figure 3. Unclamped inductive switching (UIS) test circuit & waveforms

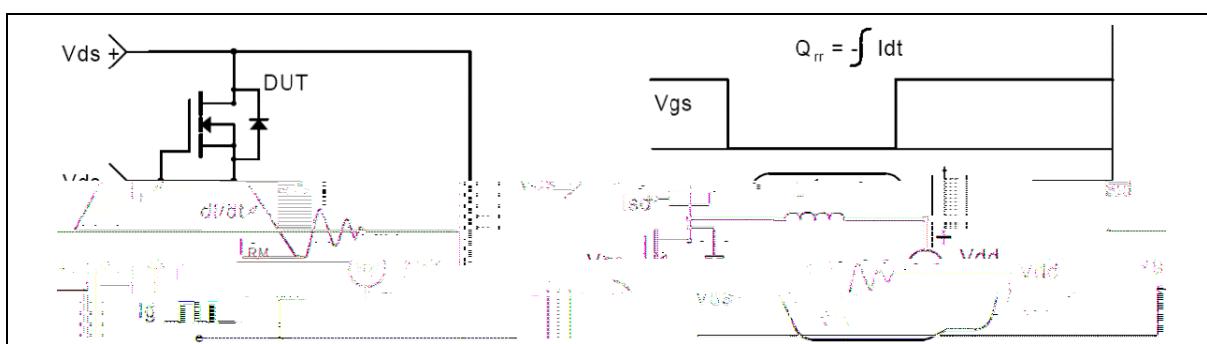


Figure 4. Diode reverse recovery test circuit & waveforms

## Package Information

Symbol	mm		
	Min	Nom	Max
A	2.20	2.30	2.40
A2	0.97	1.07	1.17
b	0.683 Tm0		

## Package Information

Symbol	mm		
	Min	Nom	Max
A	2.20	2.30	2.35
A1	0.90	1.01	

**OSG65R2KAF**

Enhancement Mode N-Channel Power MOSFET

