JJMICROELECTRONICS

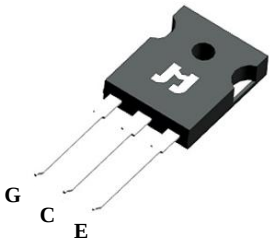
650V 75A Trench and Field Stop IGBT

JJT75N65UK

Key performance:

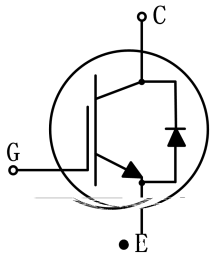
- V
- I T
- V ( )

Features:



-
-

Benefits:



-
-
-

Applications:

-
-
-

Package parameters

		( )	

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Symbol	[illegible]rameter	[illegible]	[illegible]ues	Unit
V				
V				
	( )			
	( )			
I				
	( )			
I				
I	( )			
I	P			

Electrical characteristics of IGBT (*T*)

Symbol	Parameter	Test condition	Values			Unit
			Min.	Typ.	Max.	
BV		*V*				
I		*V* *V*				
I		*V* *V*				
		V *V*				
V ( )		*V* *V* *I*				
V ( )		*V* *I*				
		V *I* *T*				

Symbol	Parameter	Test condition	Values			Unit
			Min.	Typ.	Max.	
C		*V* *V* *f*				
C						
C						
Q		*V* V_{GE} *I*				

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Symbol	Parameter	Test condition	Values			Unit
			Min.	Typ.	Max.	
$t_{(\ )}$		V V I R Ω				
t						
$t_{(\ )}$						
t						
E						
E						
E						
$t_{(\ )}$		V V I R Ω T				
t						
$t_{(\ )}$						
t						
E						
E						
E						

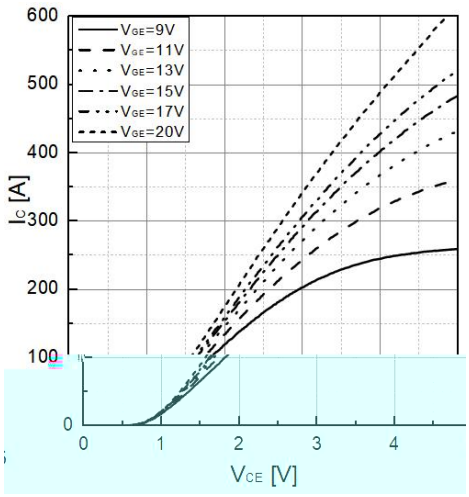
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Electrical characteristics of Diode (*T*)

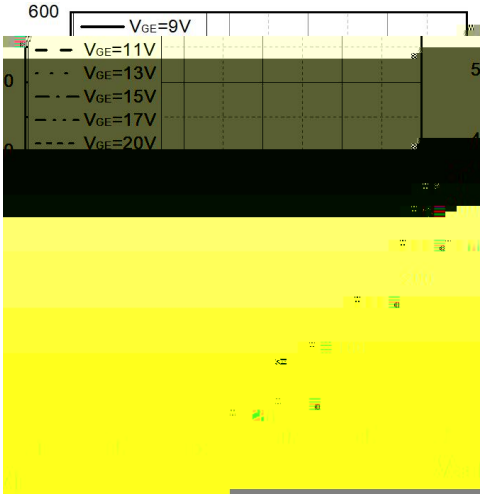
Symbol	Parameter	Test condition	Values			Unit
			Min.	Typ.	Max.	
V		*I*				
		I *T*				
t		*V* *I* *i* *t* µ				
I						
Q						
t		*V* *I* *i* *t* µ *T*				
I						
Q						

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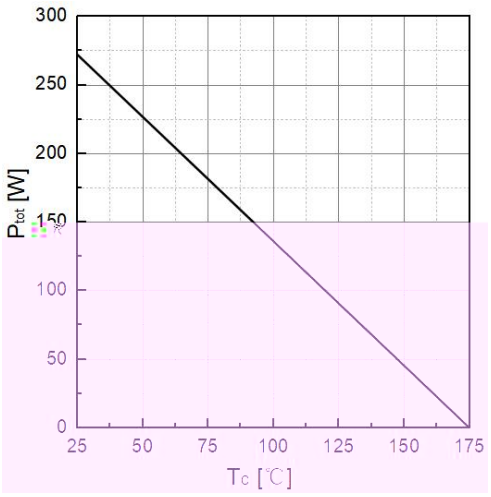
Typical performance characteristics



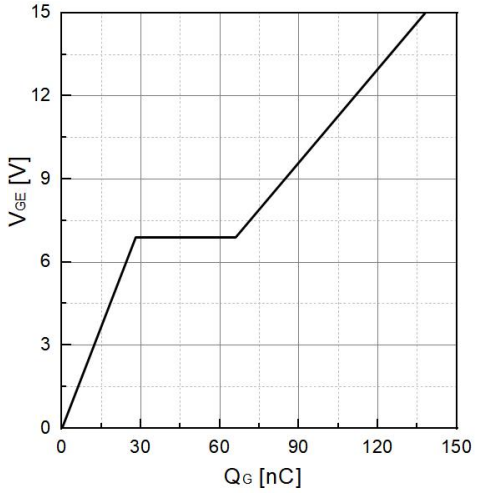
(*T*)

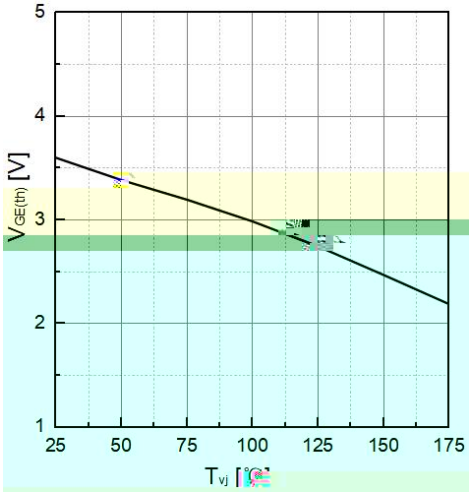


(*T*)



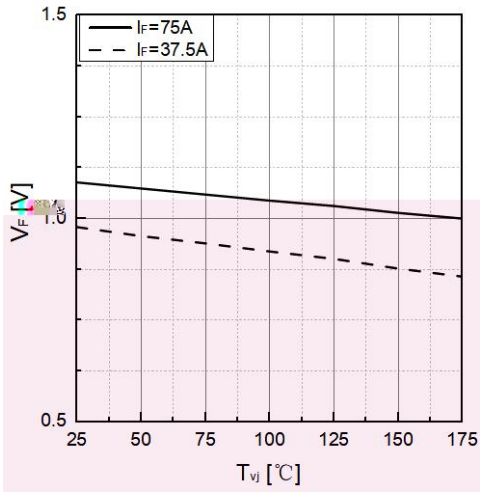
T_C





V ( ) *T*

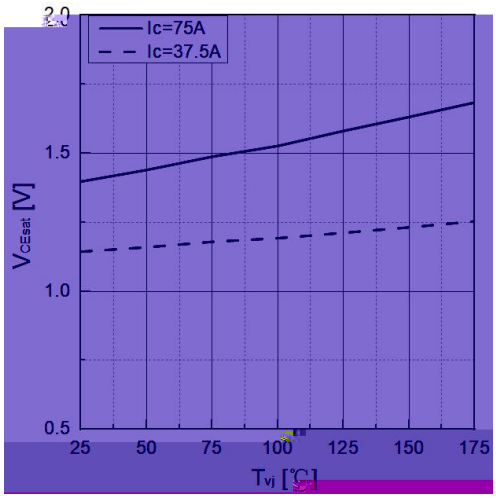
(*I*)



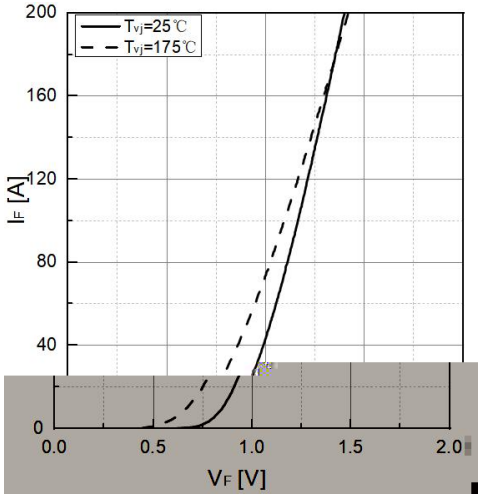
V *T*

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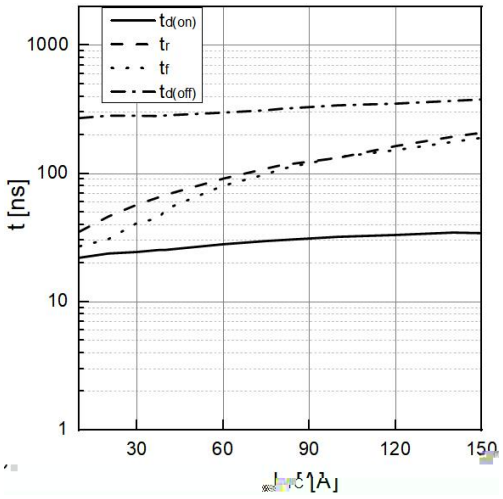
Typical performance characteristics



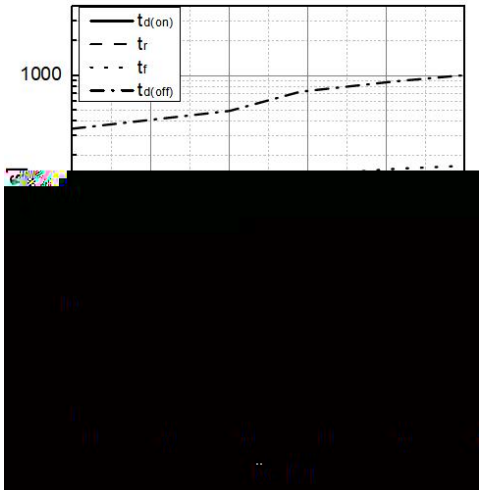
V *T*



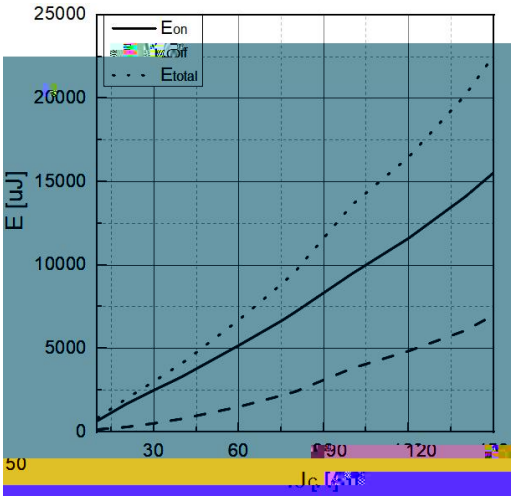
I *V*



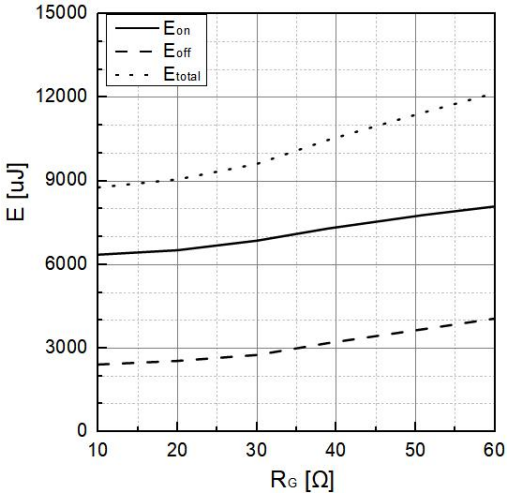
I



R



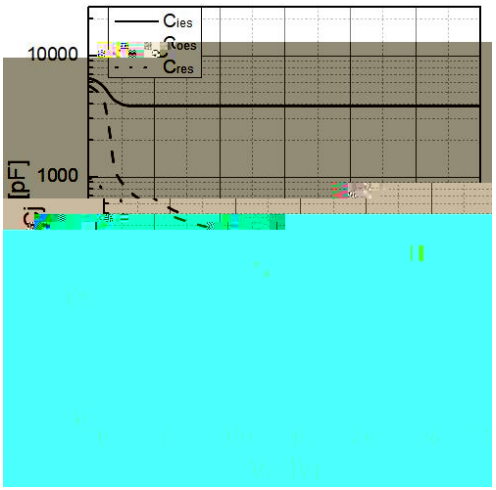
I



R

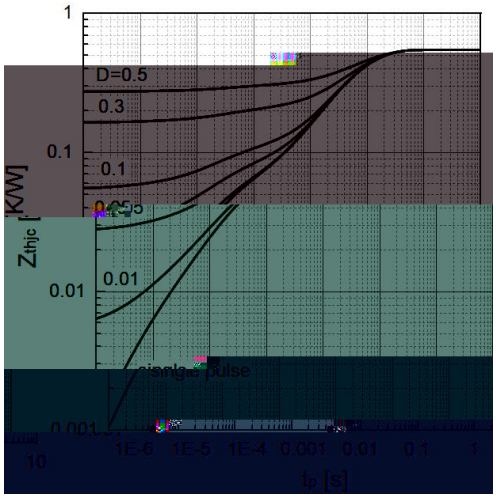
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Typical performance characteristics



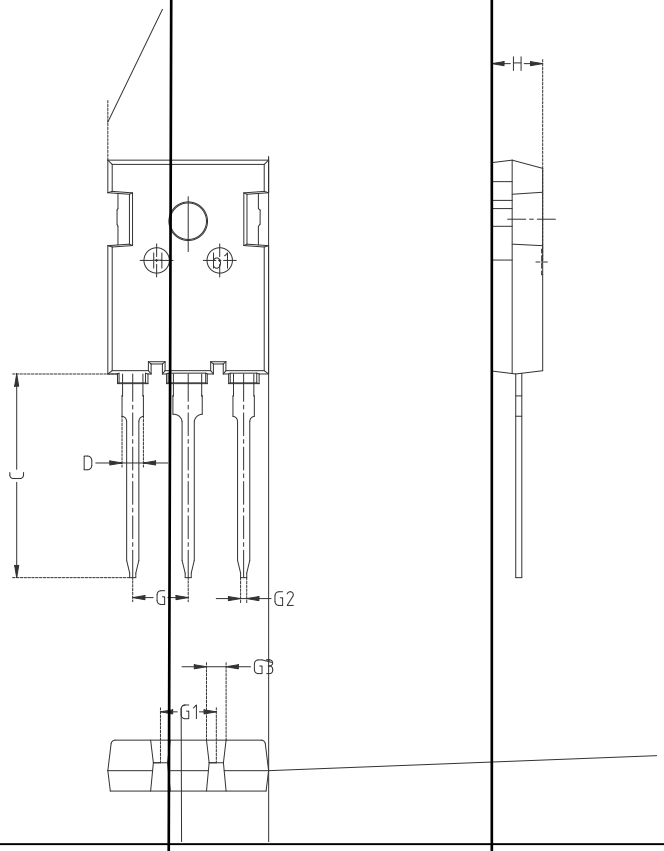
V

(*V*)



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Package dimension



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