JJMICROELECTRONICS

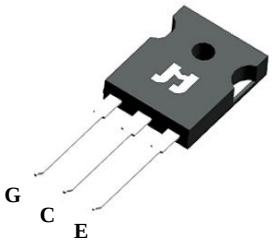
650V 75A Trench and Field Stop IGBT

JJT75N65UE

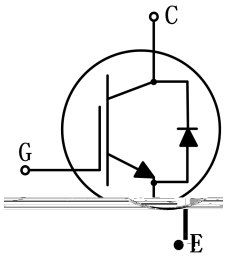
Key performance:

- V
- I T
- V ( )

Features:



Benefits:



Applications:

Package parameters

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Symbol	Parameter	Values	Unit
V			
V			
	( )		
	( )		
I			
	( )		
I			
I	( )		
I			

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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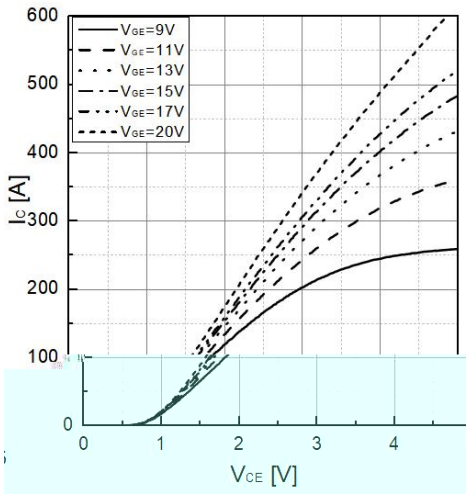
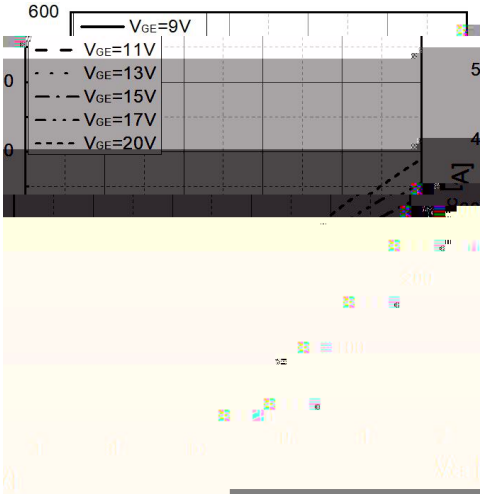
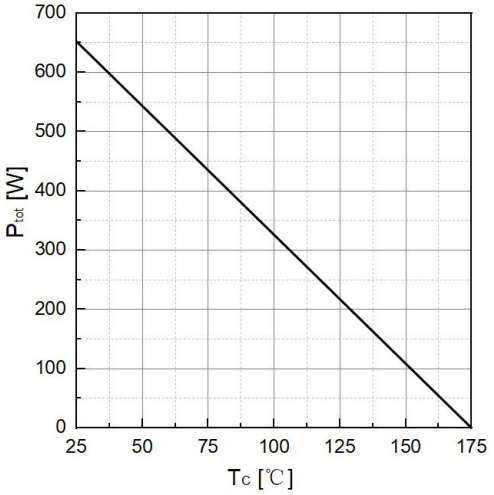
Typical performance characteristics



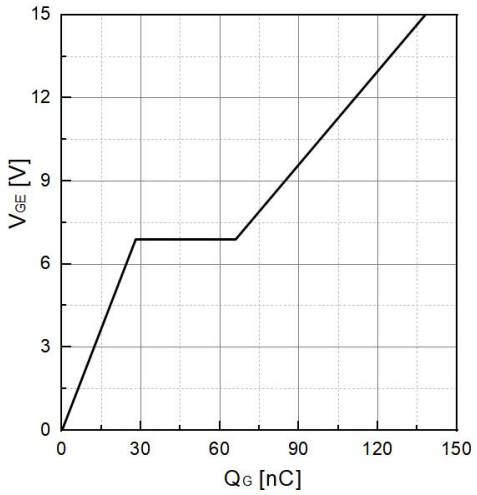
(T)

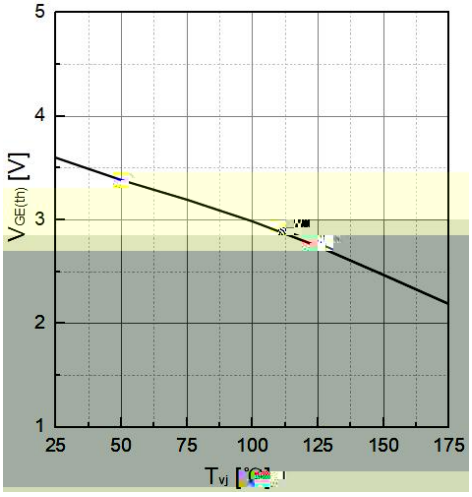


(T)



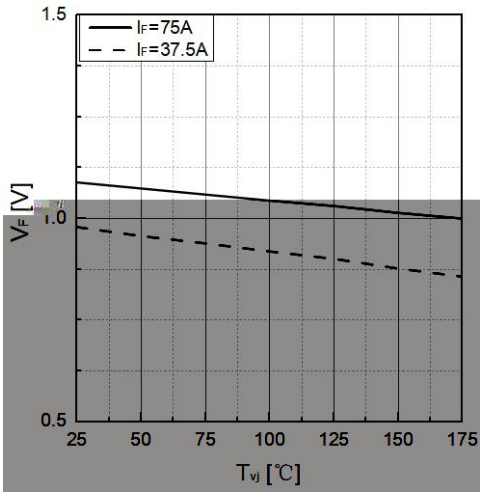
T_C





V ( ) T

(I)



V T

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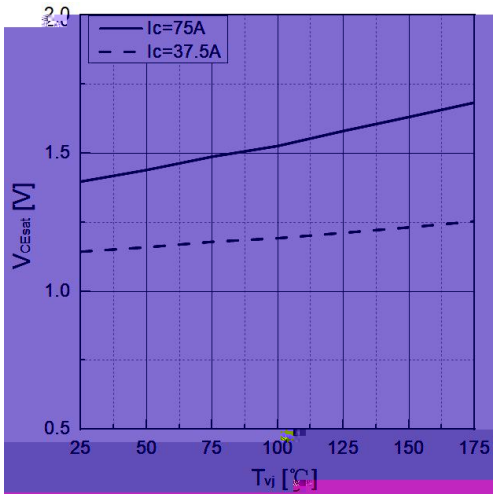
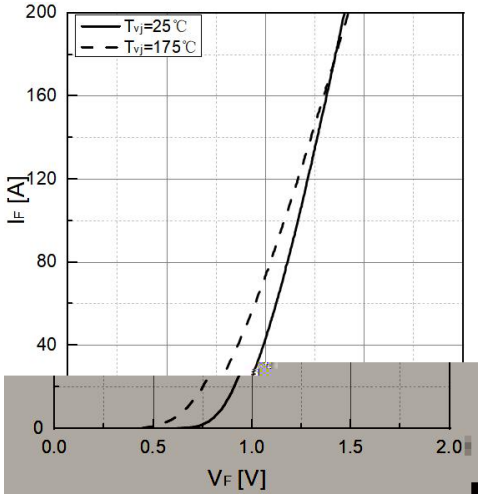
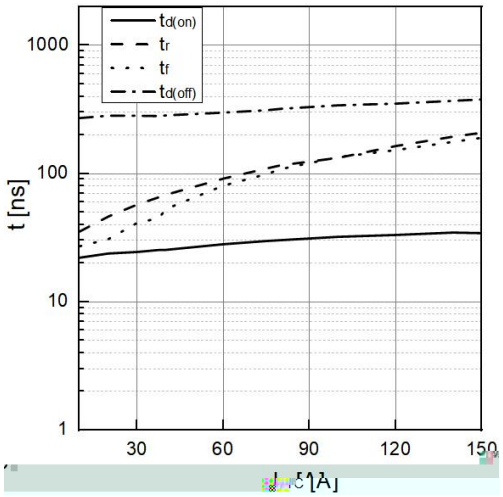
Typical performance characteristics



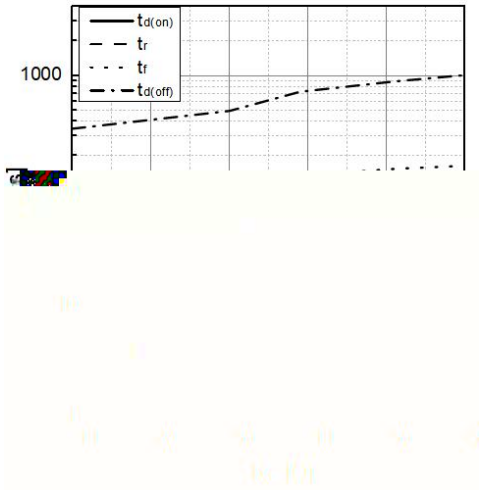
V *T*



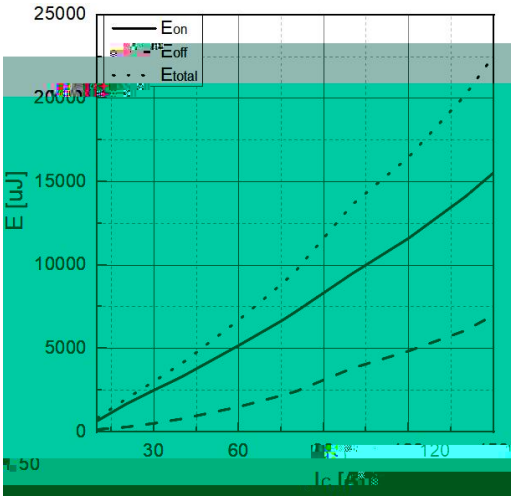
I *V*



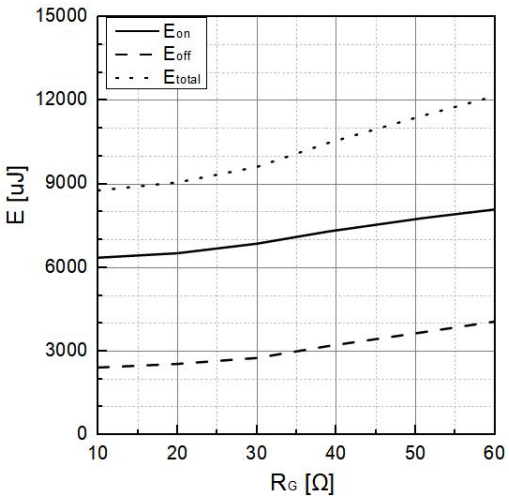
I



R



I



R

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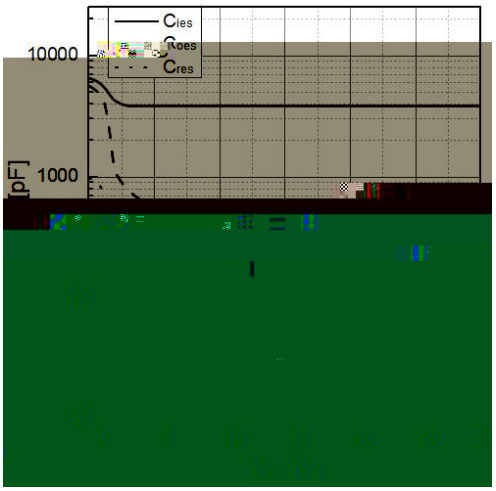
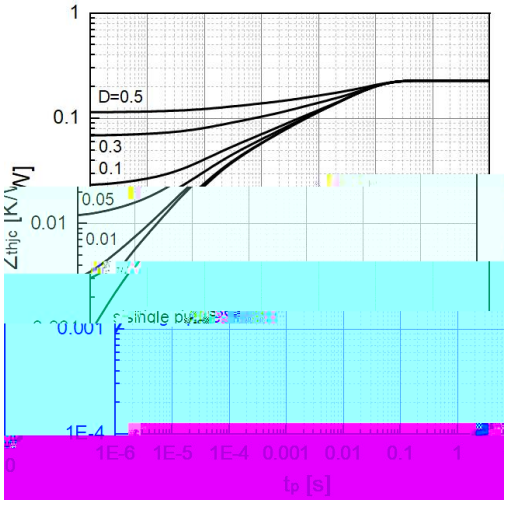
Typical performance characteristics



V

(*V*)



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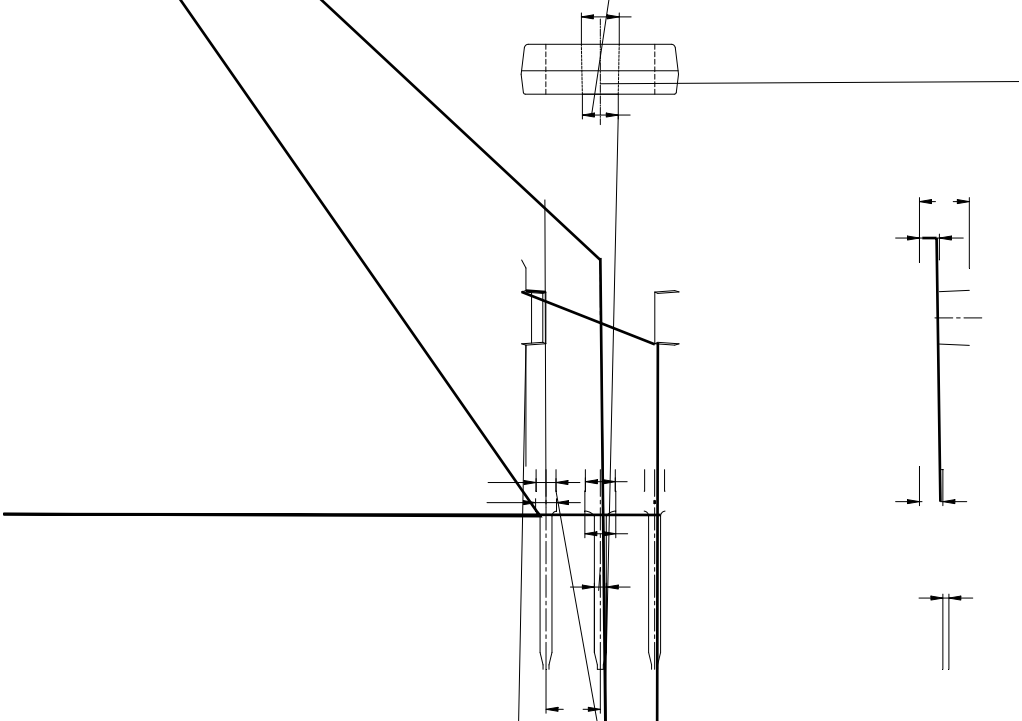
Package dimension



Revision history

Disclaimer

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