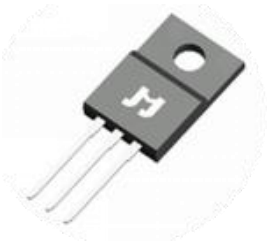
JJMICROELECTRONICS

650V 15A Trench and Field Stop IGBT

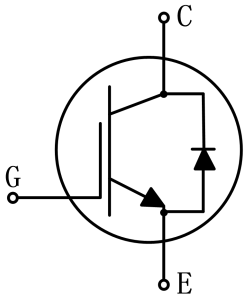
JST15N65SS

- CE=650V
- C=15A@ C=100
- CE( )=1.6 V

TO-220F



- H .
- 6 .
- P CE ( ) .
- H .
- E .
- R HS .



- H
- M
- G

T	M	P	P
JST15N65SS	S1565SS	TO-220F	T

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CES	C -	650	V
GES	G -	20	V
C	C (C=25)	30	A
	C (C=100)	15	A
CM	P ,	60	A
F	D (C=100)	15	A
FM	D ,	60	A
	S (CE=400V, GE=15V, C=25)	6	
	P (C=25)	65	
	P (C=100)	32	
	O	-40 +175	
	S	-55 +150	

(-)	T , IGBT	-	2.3	K/
(-)	T , D	-	4.0	K/
(-)	T ,	-	70	K/

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(=25)

S

CES	C -	GE=0V, C=250 A	650	-	-	V
CES	C -	CE=650V, GE=0V	-	-	20	A
GES	G ,	GE=20V, CE=0V	-	-	100	A
	G ,	GE=-20V, CE=0V	-	-	-100	A
GE( )	G -	GE= CE, C=1 A	5.1	5.6	6.1	V
CE( )	C -	GE=15V, C=15A	-	1.6	-	V
		GE=15V, C=15A, =175	-	2.1	-	V

D

	I	CE=30V GE=0V =1MH	-	955	-	F
	O		-	51	-	F
	R		-	6	-	F
	T	CC=520V GE=15V C=15A	-	32	-	C

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( )	T	-		-	16	-	
	R			-	21	-	
( )	T	-	CC=400V GE=0/15V	-	67	-	
	F		C=15A G=10Ω	-	86	-	
	T	-	I	-	0.45	-	J
	T	-		-	0.32	-	J
	T			-	0.77	-	J
( )	T	-		-	16	-	
	R			-	21	-	
( )	T	-	CC=400V GE=0/15V	-	83	-	
	F		C=15A G=10Ω	-	144	-	
	T	-	I =175	-	0.48	-	J
	T	-		-	0.46	-	J
	T			-	0.9		

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(=25)

F	D	F=15A	-	1.4	-	V
		F=15A, =175	-	1.1	-	V
	D	R=400V F=15A F/ =-600A/	-	160	-	
	D		-	7.5	-	A
	D		-	500	-	C
	D	R=400V F=15A F/ =-600A/ =175	-	250	-	
	D		-	12.5	-	A
	D		-	1340	-	C

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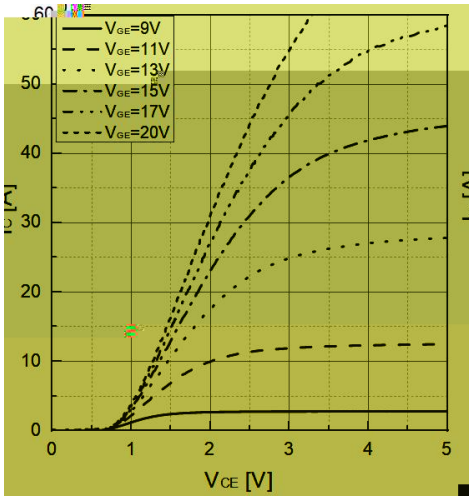
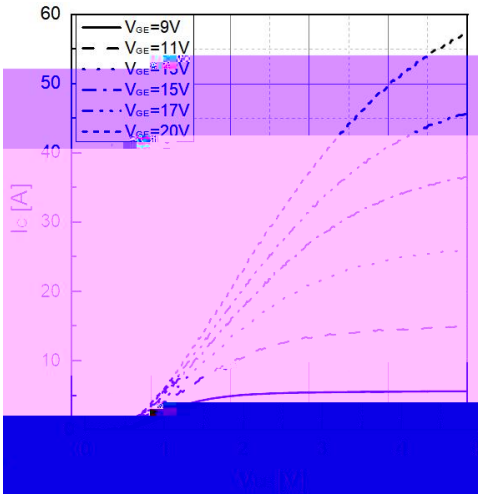
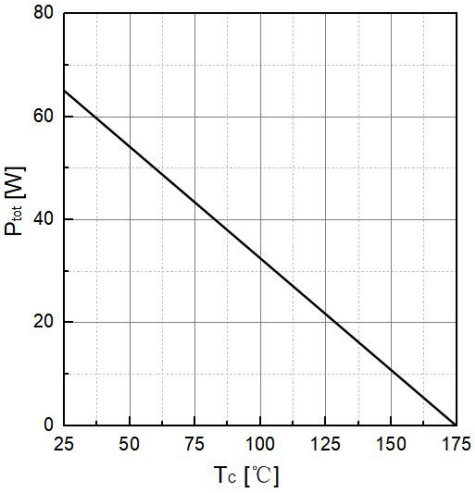


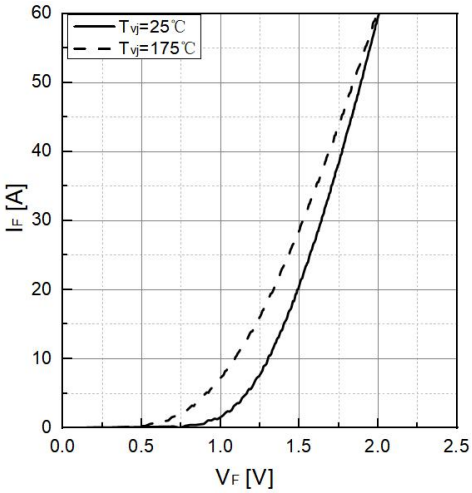
F 1. T (=25)



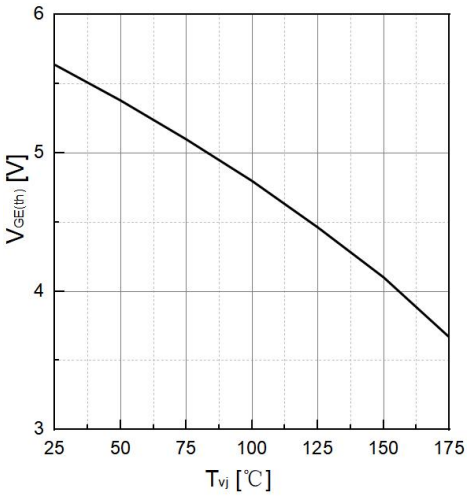
F 2. T (=175)



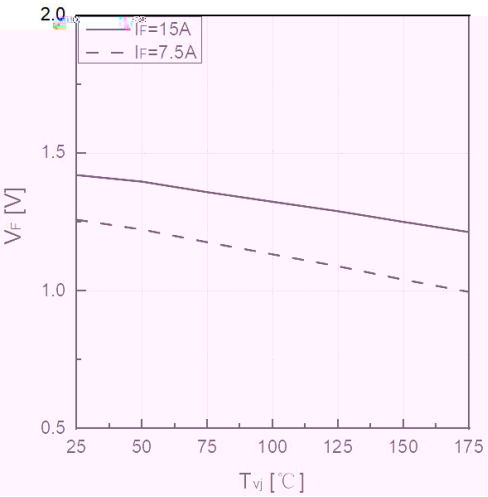
F 3. P



F 4. T F F



F 5. T GE( )
(C=1 A)



F 6. T F

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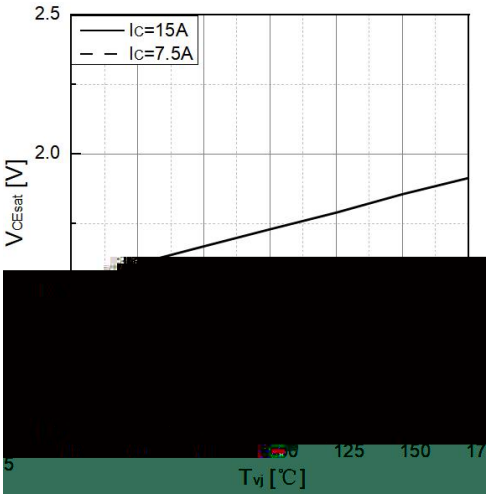
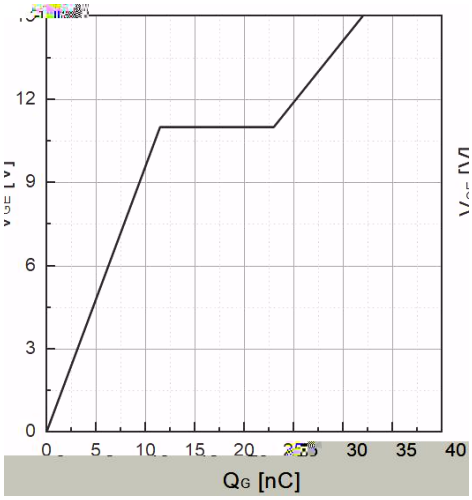
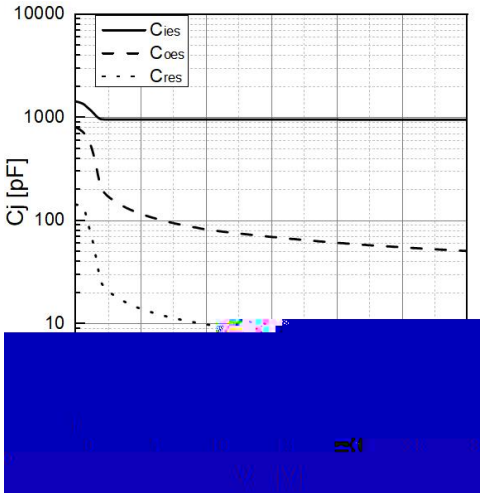


F 7. T CE

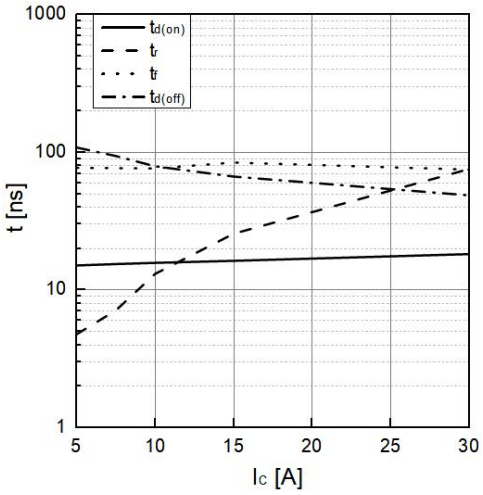


F 8. T G

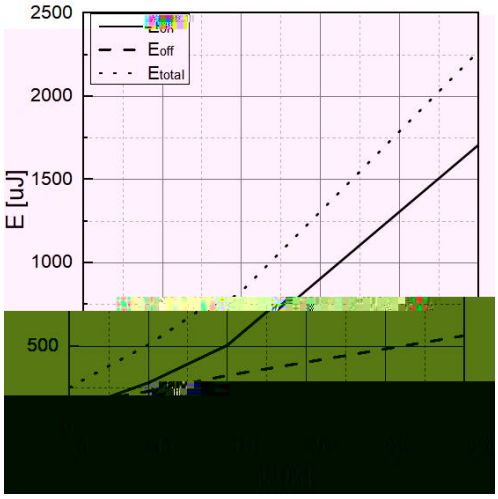


F 9. T CE

(=1M , GE=0V)

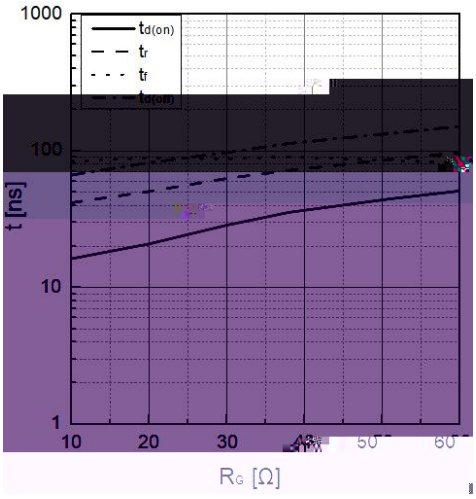


F 10. T C



F 11. T

C



F 12. T G

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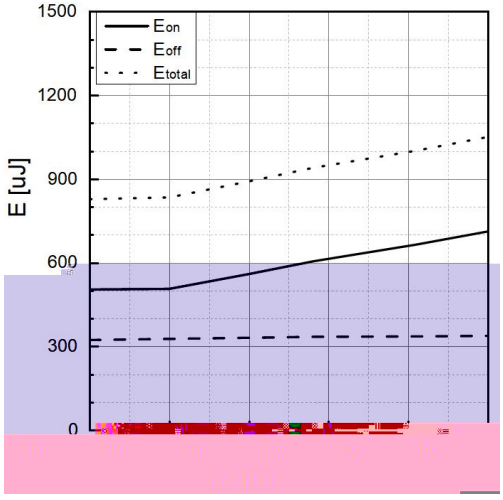
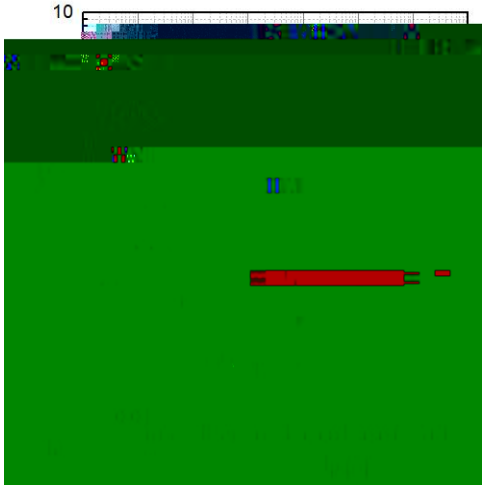


F 13. T

G



F 14. T , IGBT

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D	R	C
2025-12-04	R 1.0	I R
2026-06-24	R 1.1	U
2026-09-10	R 1.2	U

PLEASE NOTE - J J J M C ., L ("JJM") , ,
/ . I
, . T
JJM JJM'
JJM'
. P JJM
, , JJM' . A JJM
. T JJM
J J J M C ., L . T
. 2026 JJM - A

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