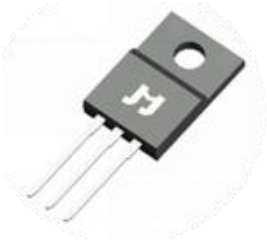
JJMICROELECTRONICS

650V 15A Trench and Field Stop IGBT

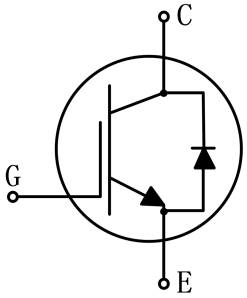
JJT15N65SS

- $_{CE}$=650V
- $_{C}$=15A@ $_{C}$=100
- $_{CE(\ )}$=1.6 V

TO-220F



- H .
- 10 .
- P $_{CE(\ )}$.
- H .
- E .
- R HS .



- H
- M
- G

T	M	P	P
JJT15N65SS	T1565SS	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)		

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(=25)

S

CES	C -	GE=0V, C=250μA	650	-	-	V
CES	C -	CE=650V, GE=0V	-	-	50	μA
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	-	1055	-	F
	O		-	57	-	F
	R		-	15	-	F
	T	CC=520V GE=15V C=15A	-	55	-	C

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S

( )	T -		-	15	-	
	R		-	17	-	
( )	T -		-	110	-	
	F		-	73	-	
	T -		-	0.38	-	J
	T -		-	0.37	-	J
	T		-	0.75	-	J
( )	T -		-	14	-	
	R		-	18	-	
( )	T -		-	146	-	
	F		-	158	-	
	T -		-	0.44	-	J
	T -		-	0.64	-	J
	T		-	1.08	-	J

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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/μ	-	55	-	
	D		-	9.5	-	A
	D		-	220	-	C
	D	R=400V F=15A F/ =-600A/μ =175	-	77	-	
	D		-	15	-	A
	D		-	481	-	C

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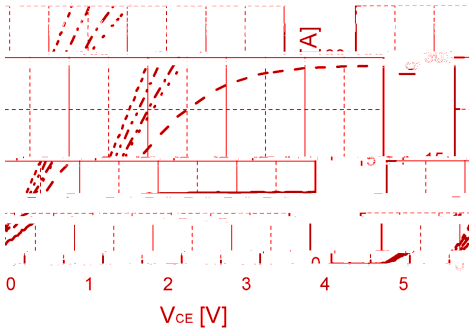
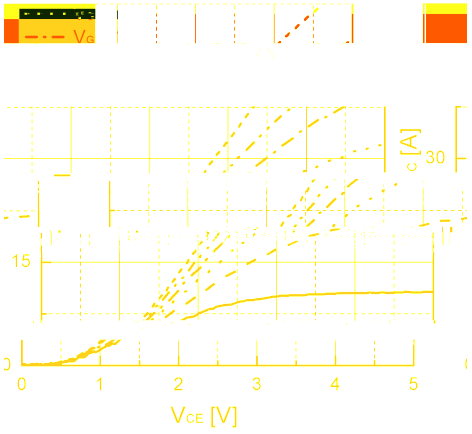
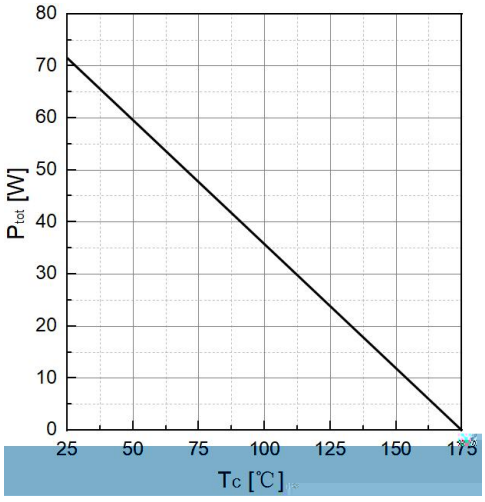


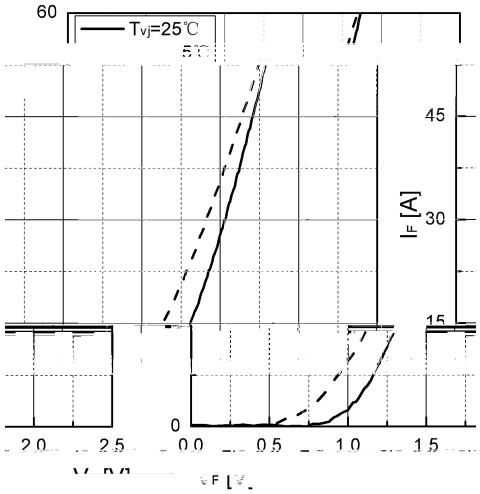
F 1. T (=25)



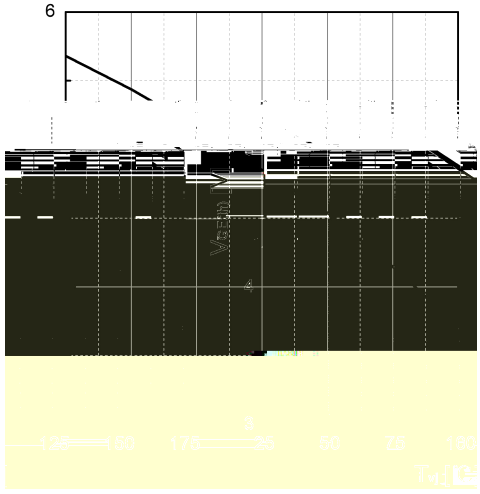
F 2. T (=175)



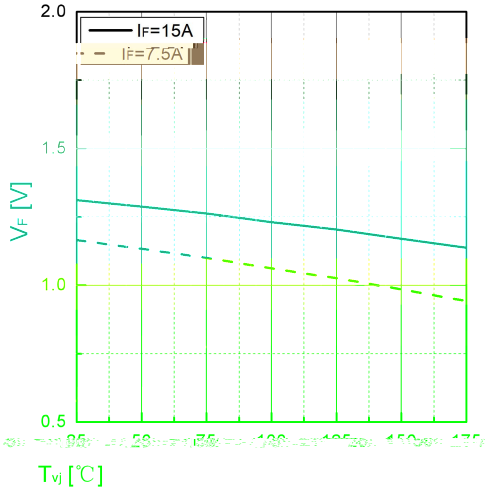
F 3. P



F 4. T F F



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



F 6. T F

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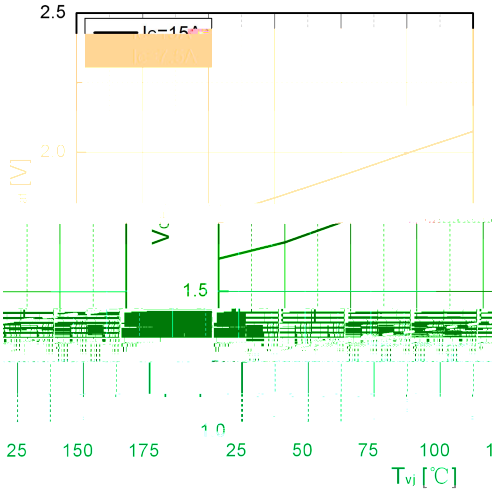
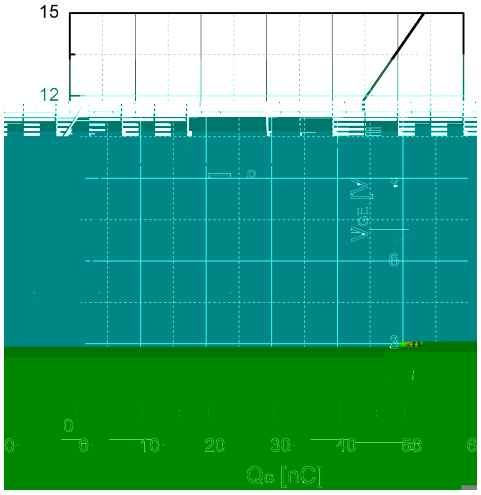
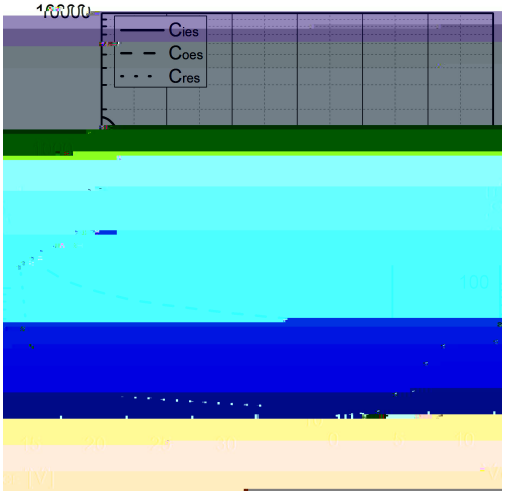


F 7. T CE

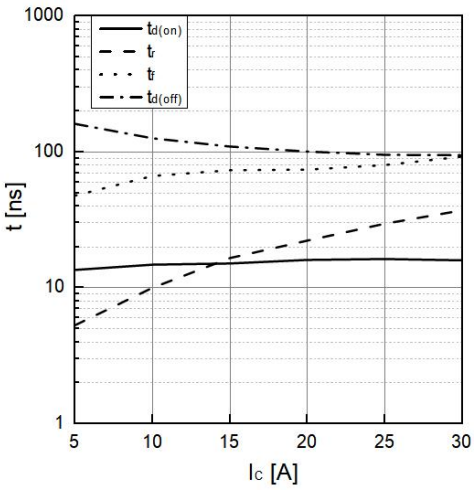


F 8. T G

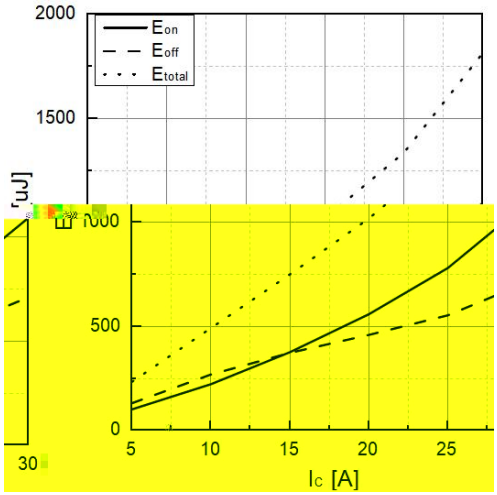


F 9. T CE

(=1M , GE=0V)

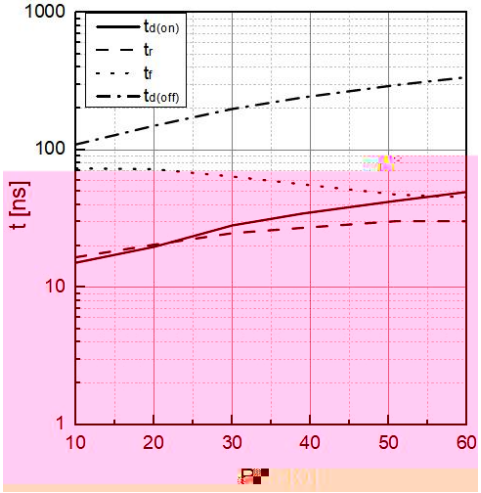


F 10. T C



F 11. T

C



F 12. T G

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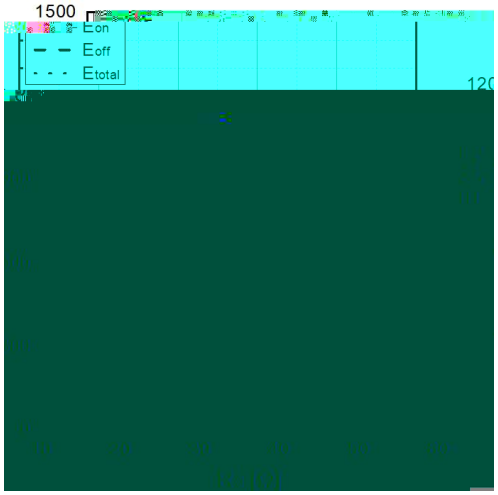
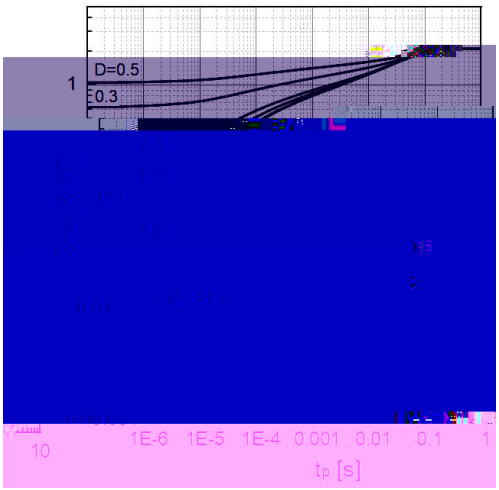


F 13. T



F 14. T , IGBT

G

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D

R .	M			I		
	M .	T .	M .	M .	T .	M .
A	4.50	-	4.90	0.177	-	0.193
B	0.74	0.80	0.83	0.029	0.031	0.033

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D	R	C
2023-11-27	R 1.1	U
2024-03-18	R 1.2	U
2025-04-08	R 1.3	C U
2026-06-24	R 1.4	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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