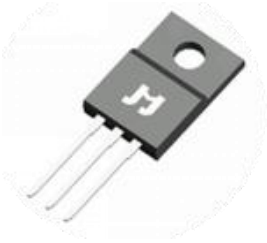
JJMICROELECTRONICS

650V 10A Trench and Field Stop IGBT

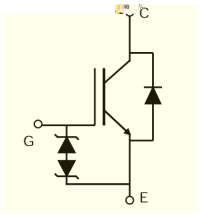
JJT10N65SSD

TO-220F

- $_{CE}$=650V
- $_{C}$=10A@ $_{C}$=100
- $_{CE(\ )}$=1.6 V



- H
- 8
- P $_{CE(\ )}$
- H
- E
- R HS
- HBM 2000V



- H
- M

T	M	P	P
JJT10N65SSD	T1065SSD	TO-220F	T

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CES	C -	650	V
GES	G -	20	V
C	C (C=25)	20	A
	C (C=100)	10	A
CM	P ,	40	A
F	D (C=100)	10	A
FM	D ,	40	A
	S	8	
	P (C=25)	60	
	P (C=100)	30	
	O	-40 +175	
	S	-55 +150	

(-)	T , IGBT	-	2.5	K/
(-)	T , D	-	5.0	K/
(-)	T ,	-	70	K/

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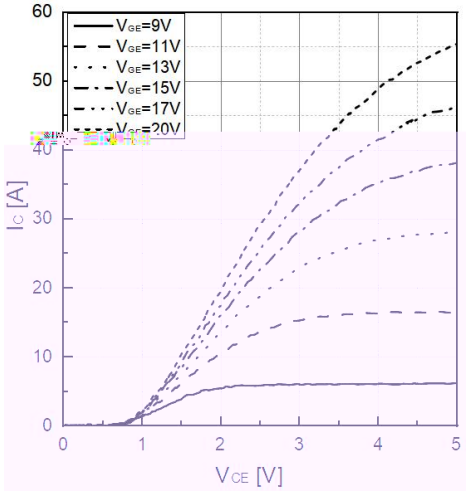
$_{CES}$	C	-	$_{GE}$=0V, $_{C}$=250 A	650	-	-	V
$_{CES}$	C	-	$_{CE}$=650V, $_{GE}$=0V	-	-	50	A
$_{GES}$	G	,	$_{GE}$=20V, $_{CE}$=0V	-	-	100	A
	G	,	$_{GE}$=-20V, $_{CE}$=0V	-	-	-100	A
$_{GE(\ )}$	G	-					

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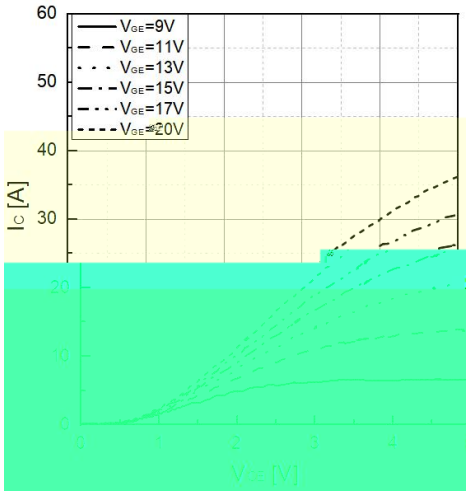
S

( )	T -		-	11	-	
	R		-	14	-	
( )	T -	CC=400V	-	105	-	
	F	GE=0/15V	-	75	-	
	T -	C=10A	-	0.18	-	J
	T -	G=10Ω	-	0.23	-	J
	T	I	-	0.41	-	J
( )	T -		-	11	-	
	R	CC=400V	-	16	-	
( )	T -	GE=0/15V	-	165	-	
	F	C=10A	-	96	-	
	T -	G=10Ω	-	0.20	-	J
	T -	I	-	0.34	-	J
	T	=175	-	0.54	-	J

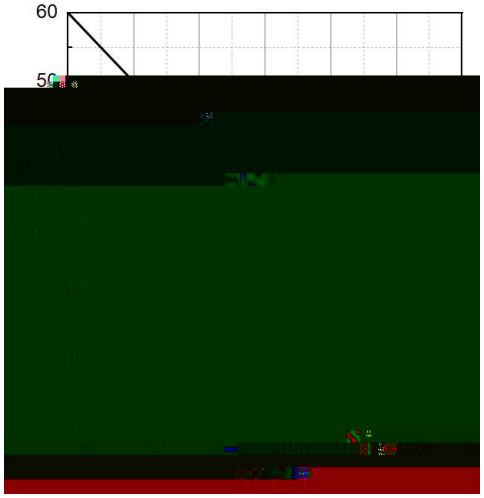
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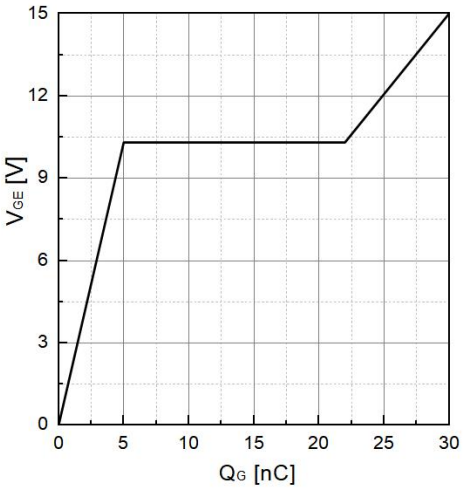
F 1. T (=25)



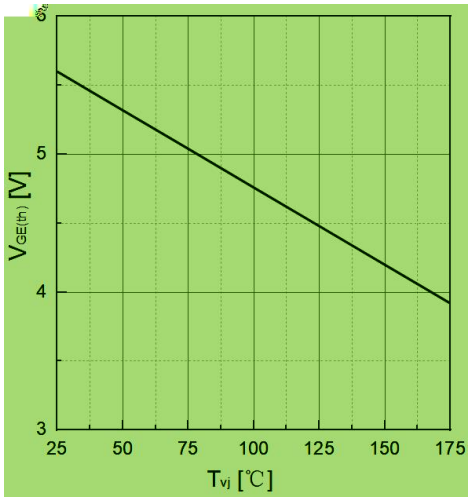
F 2. T (=175)



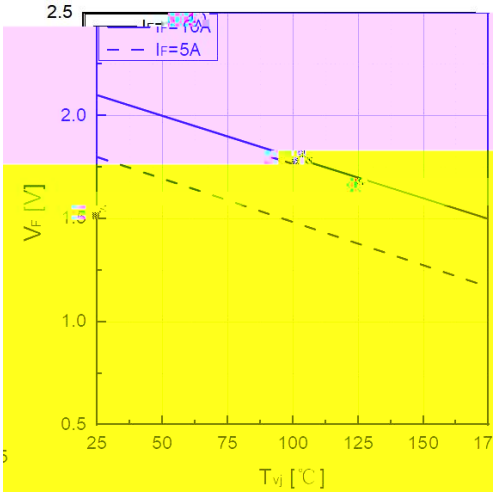
F 3. P



F 4. T G

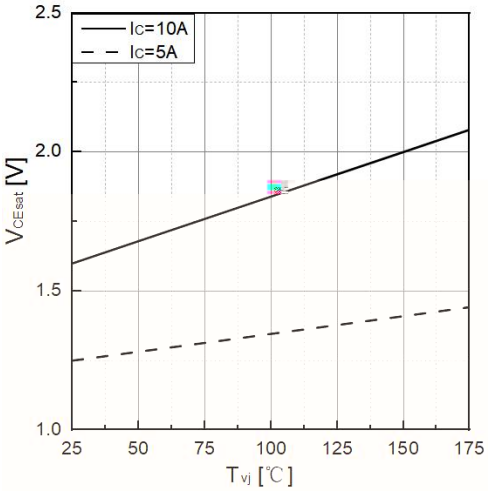


F 5. T GE( )
(C=1 A)

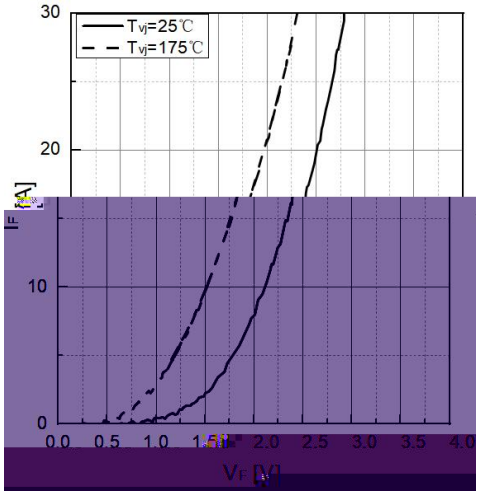


F 6. T F

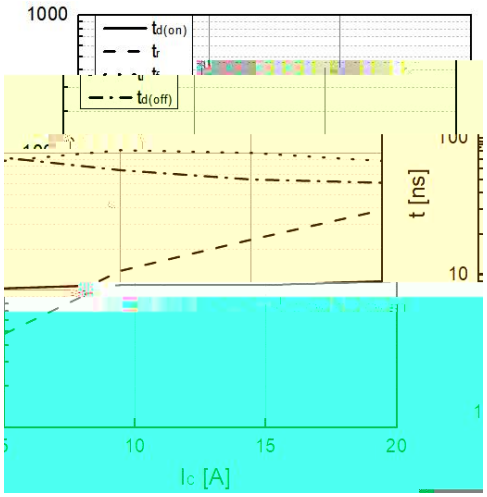
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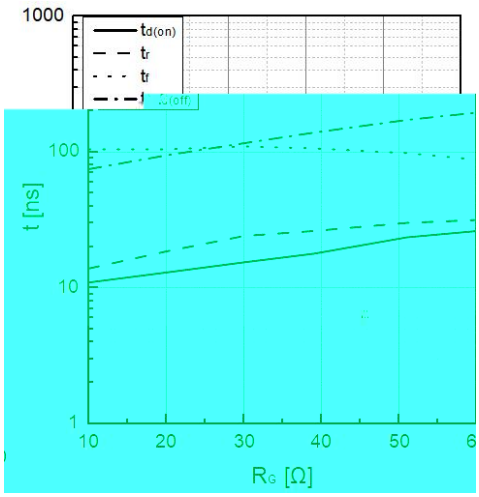
F 7. T CE



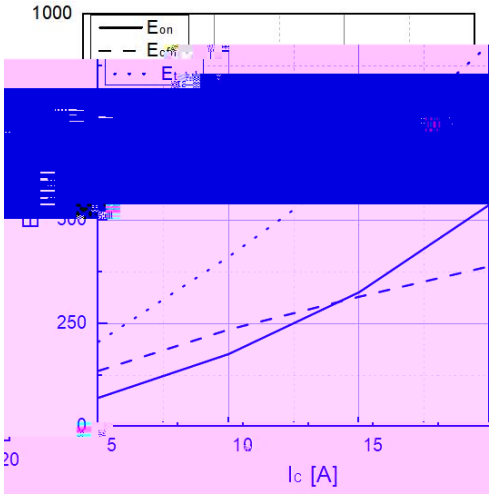
F 8. T F F



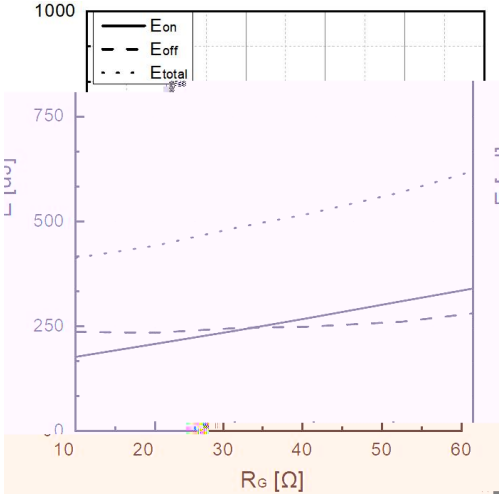
F 9. T C



F 10. T G

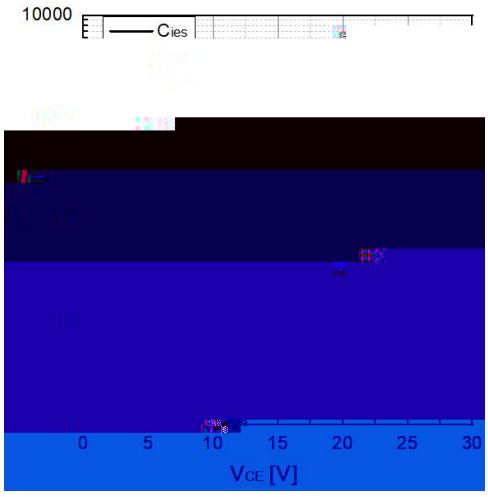


F 11. T C

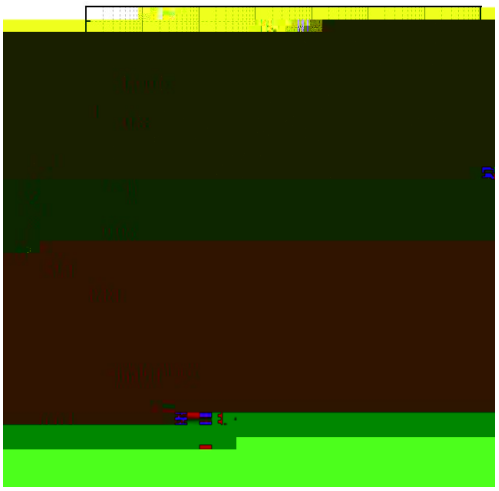


F 12. T G

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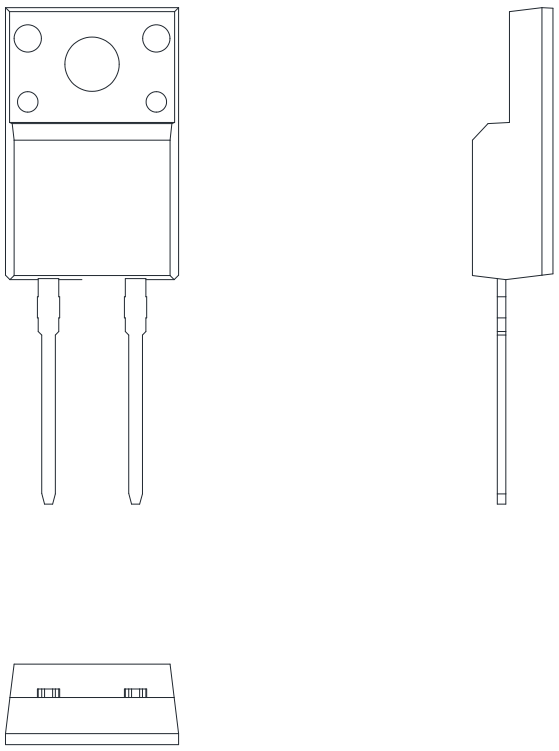
F 13. T CE
(=1M , GE=0V)



F 14. T IGBT

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TO-220F



R .	D					
	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
C	0.47	-	0.66	0.019	-	0.026
C2	2.45	-	2.75	0.096	-	0.108
C3	2.60	-	3.00	0.102	-	0.118
D	8.80	-	9.30	0.346	-	0.366
E	9.80	-	10.40	0.386	-	0.410
F	6.40	-	6.80	0.252	-	0.268
G	2.40	-	2.70	0.094	-	0.106
H	28.0	-	29.80	1.102	-	1.173
L1	-	3.63	-	-	0.143	-
L2	1.14	-	1.70	0.045	-	0.067
L3	-	3.30	-	-	0.130	-
V1	-	45	-	-	45	-

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D	R	C
2026-8-27	R 1.0	I R
2026-9-10	R 1.1	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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