

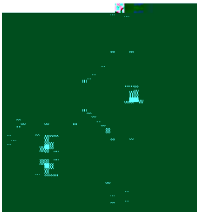
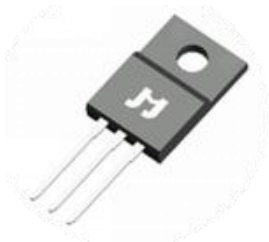
650V 10A Trench and Field Stop IGBT

JJT10N65SSD

TO-220F

- $V_{CE}=650V$
- $I_C=10A@T_C=100^{\circ}C$
- $V_{CE(sat)}=1.6V$

- $R_{DS(on)}$
- $R_{th(j-a)}$
- $P_{tot}(T_C=25^{\circ}C)$
- $t_{CE(sat)}$
- $t_{CE(off)}$
- $R_{th(j-c)}$
- HBM 2000V



- H
- M

T	M	P	P
JJT10N65SSD	T1065SSD	TO-220F	T



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	μ
	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/



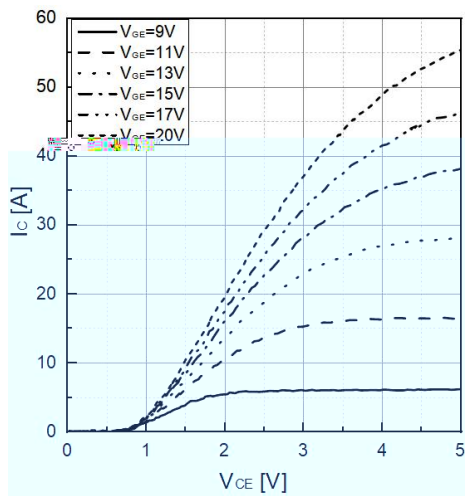
I_{CES}	C	-	$V_{GE}=0V, I_C=250\mu A$	650	-	-	V
I_{CES}	C	-	$V_{CE}=650V, V_{GE}=0V$	-	-	50	μA
I_{GES}	G	,	$V_{GE}=20V, V_{CE}=0V$	-	-	100	μA
	G	,	$V_{GE}=-20V, V_{CE}=0V$	-	-	-100	μA
$I_{GE()}$	G	-					



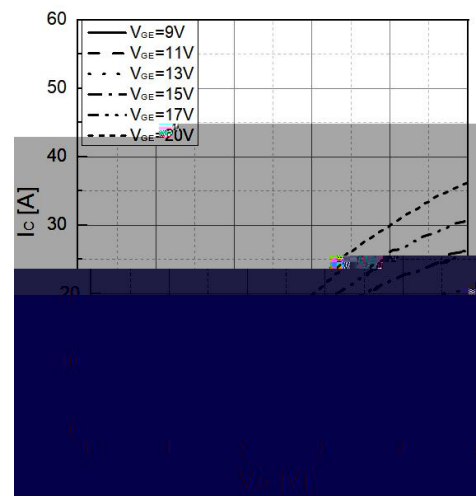
S

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

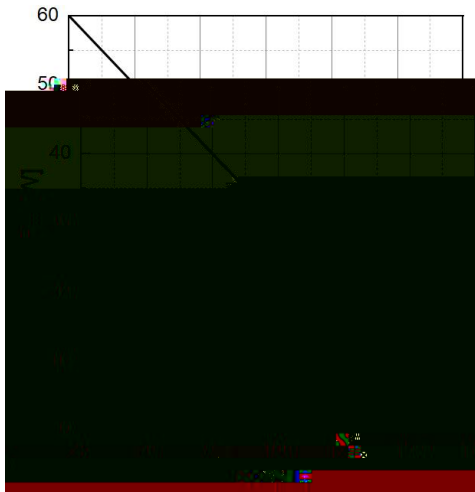




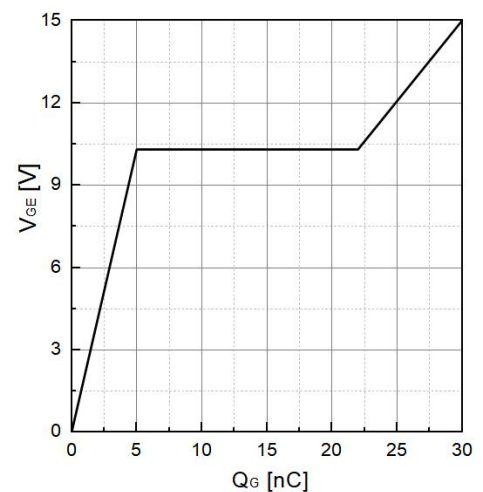
F 1. T ($I_D = 25$)



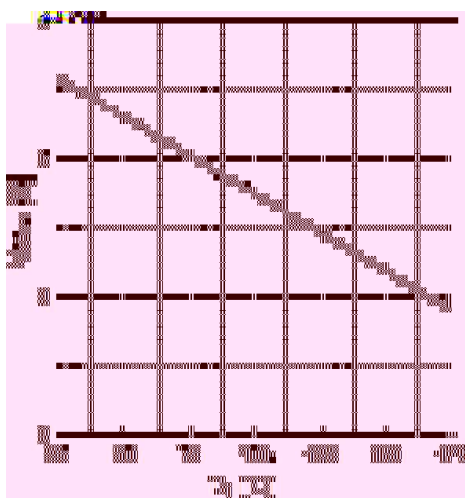
F 2. T ($I_D = 175$)



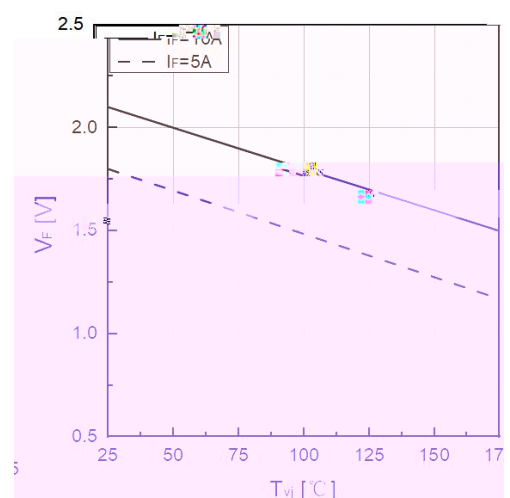
F 3. P



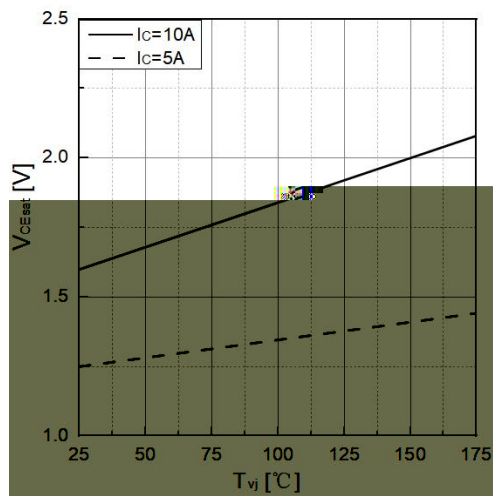
F 4. T G



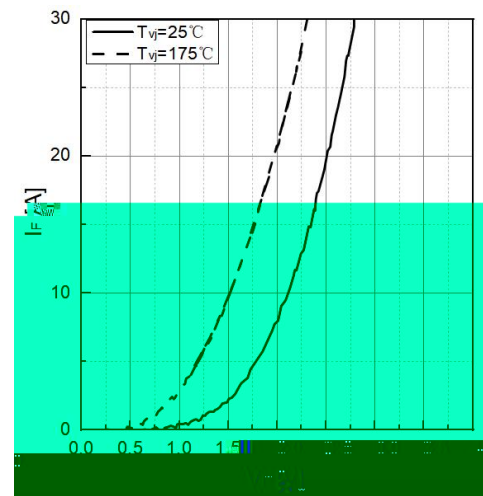
F 5. T
GE ()
($c = 1$ A)



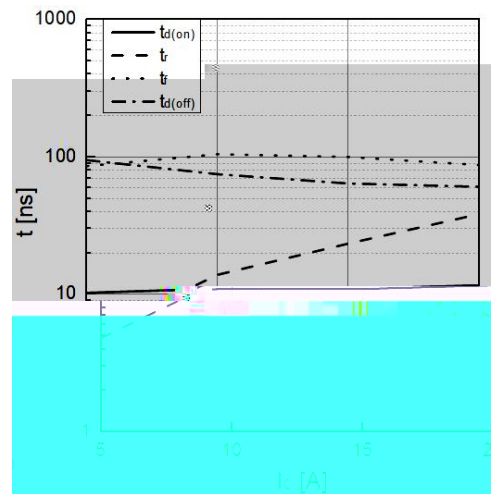
F 6. T F



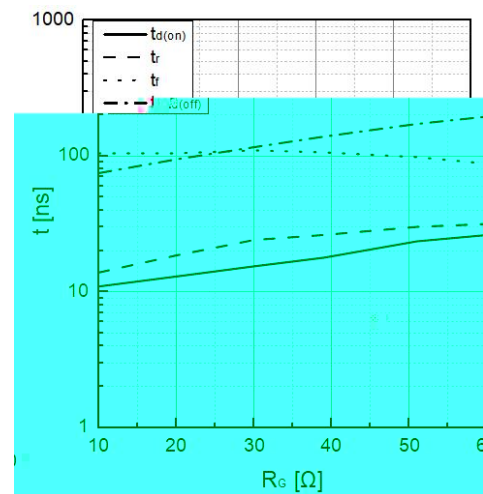
F 7. T CE



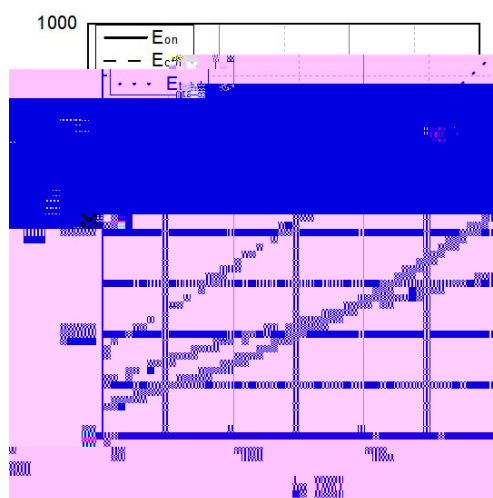
F 8. T F F



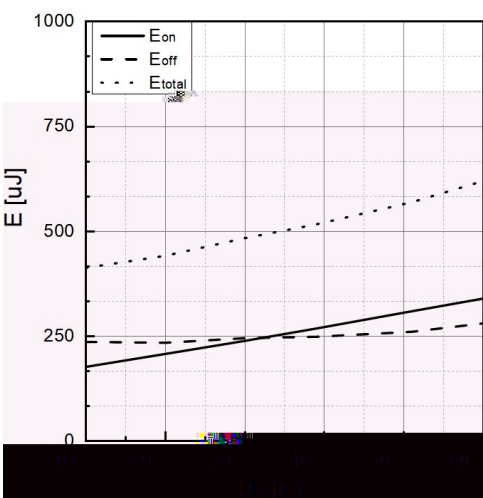
F 9. T C



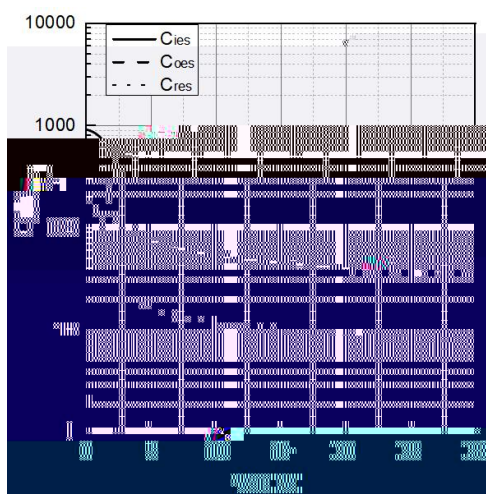
F 10. T G



F 11. T C



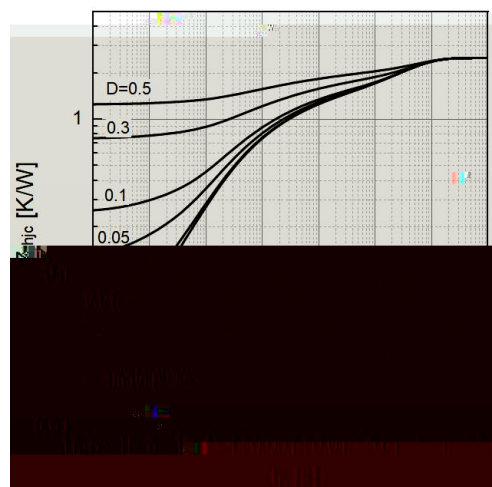
F 12. T G



F 13. T

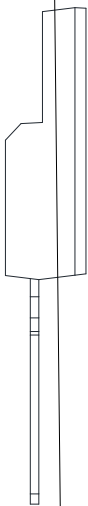
CE

(=1M , $V_{GE}=0V$)



F 14. T

IGBT



				D			
						I	
				M .	M .	T .	M .
				4.90	0.177	-	0.193
				0.83	0.029	0.031	0.033
				0.66	0.019	-	0.026
				2.75	0.096	-	0.108
				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	-



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