

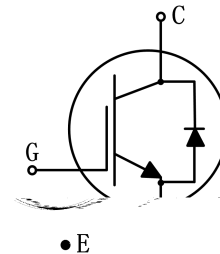
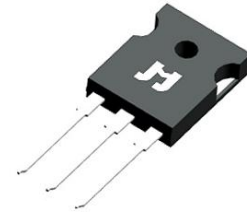
650V 30A Trench and Field Stop IGBT

JJT30N65SE

- $V_{CE} = 650V$
- $I_C = 30A @ T_C = 100^\circ C$
- $V_{CE(sat)} = 1.7V$

- H
- 10

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V_{CE}	C	-	$V_{GE}=0V, I_C=250\text{ A}$	650	-	-	V
V_{CE}	C	-	$V_{CE}=650V, I_{GE}$				



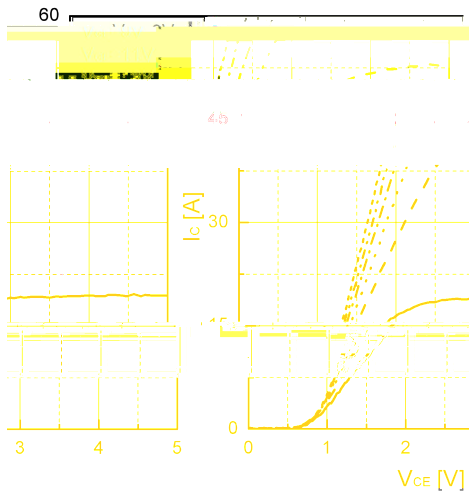
S

()	T -	$U_{CC}=400V$ $U_{GE}=0/15V$ $I_C=30A$ $R_G=10\Omega$ I	-	30	-	
	R		-	39	-	
()	T -		-	151	-	
	F		-	29	-	
	T -		-	0.95	-	J
	T -		-	0.60	-	J
	T		-	1.55	-	J
()	T -	$U_{CC}=400V$ $U_{GE}=0/15V$ $I_C=30A$ $R_G=10\Omega$ I $I_{B1}=175$	-	28	-	
	R		-	40	-	
()	T -		-	169	-	
	F		-	71	-	
	T -		-	1.5	-	J
	T -		-	0.8	-	J
	T		-	2.3	-	J

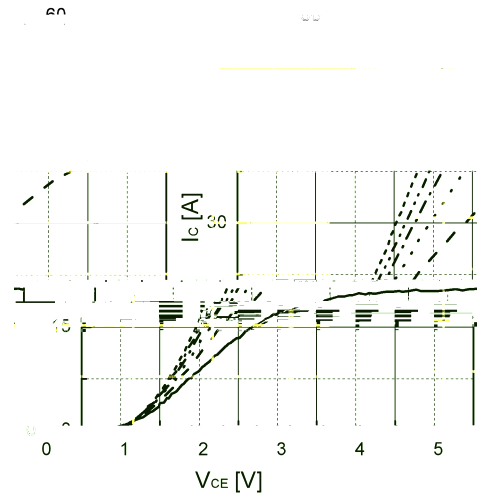


(=25)

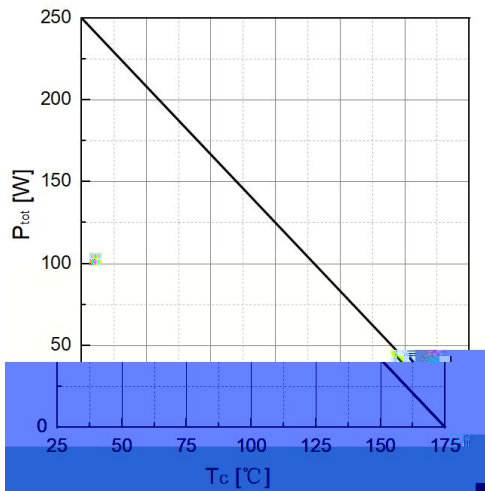
F	D	$F=30A$	-	1.7	-	V
		$F=30A, =175$	-	1.4	-	V
	D	$R=400V$ $F=30A$ $F/ =-550A/$	-	105	-	
	D		-	16	-	A
	D		-	876	-	C
	D	$R=400V$ $F=30A$ $F/ =-550A/$ $=175$	-	171	-	
	D		-	26	-	A
	D		-	2650	-	C



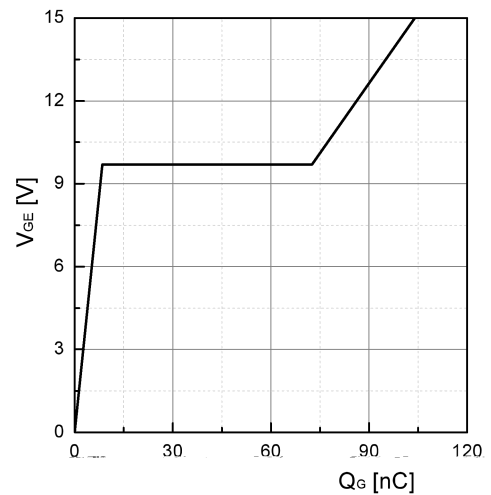
F 1. T ($I_B = 25$ A)



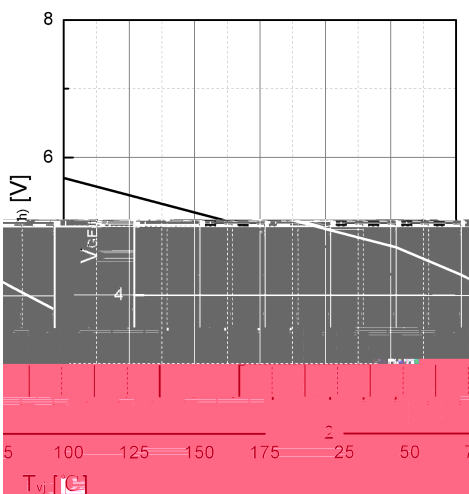
F 2. T ($I_B = 175$ A)



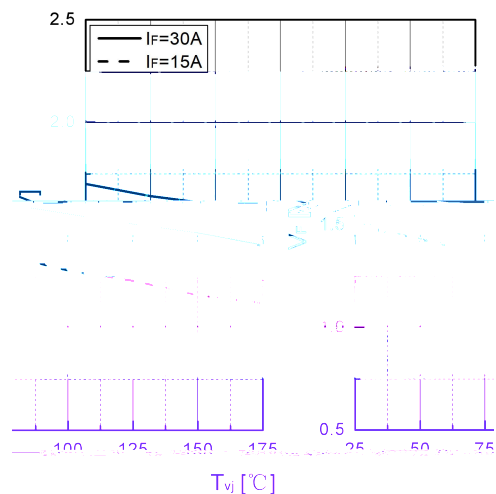
F 3. P



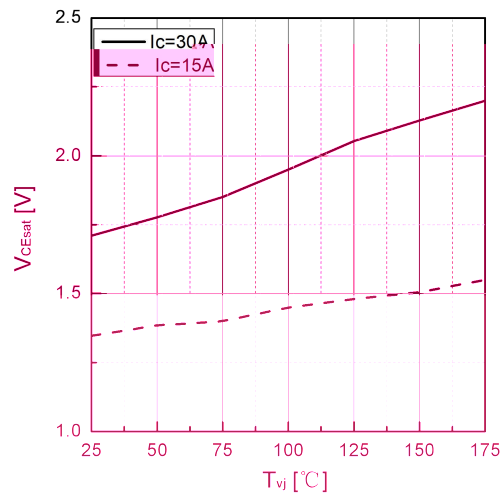
F 4. T G



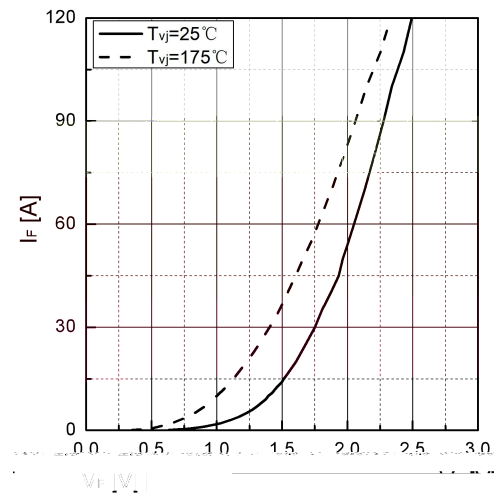
F 5. T $R_{DS(on)}$ ($I_C = 1$ A)

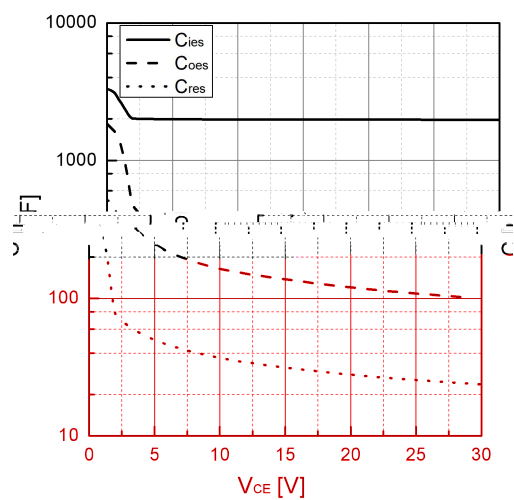


F 6. T F



F 7. T CE

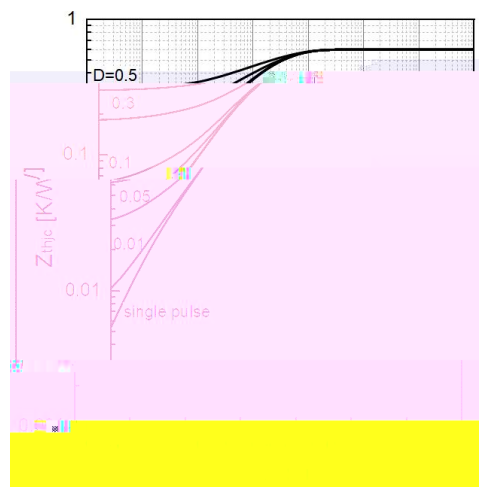




F 13. T

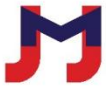
($I_{CE} = 1\text{M}$, $V_{GE} = 0\text{V}$)

CE

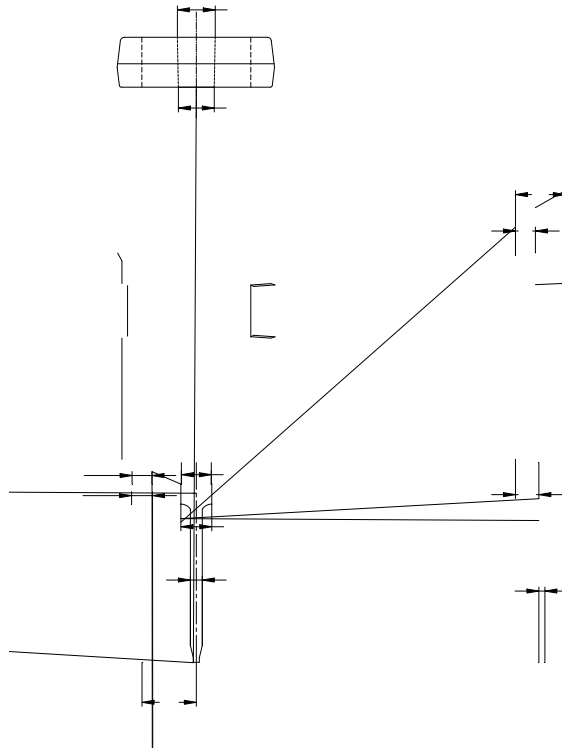


F 14. T

IGBT



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R .	D					
	M			I		
	M .	T .	M .	M .	T .	M .
A	15.50	15.80	16.10	0.610	0.622	0.634
B	20.80	21.00	21.20	0.819	0.827	0.835
C	19.70	20.00	20.30	0.776	0.787	0.799
D	1.80	2.00	2.20	0.071	0.079	0.087
E	1.90	2.10	2.30	0.075	0.083	0.091
F	1.00	1.20	1.40	0.039	0.047	0.055
G	5.25	-	5.65	0.207	-	0.222
H	4.80	5.00	5.20	0.189	0.197	0.205
J	1.90	2.00	2.10	0.075	0.079	0.083
K	2.20	2.35	2.50	0.087	0.093	0.098
L	0.41	0.60	0.79	0.016	0.024	0.031
M	2.80	3.00	3.20	0.110	0.118	0.126
N	2.90	3.10	3.30	0.114	0.122	0.130



D	R	C
2024-03-20	R 1.1	U
2024-05-17	R 1.2	U
2025-03-09	R 1.3	C
2026-06-25	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