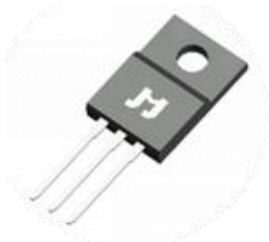


650V 15A Trench and Field Stop IGBT

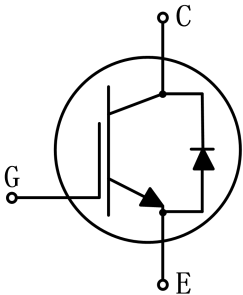
JJT15N65SS

- $V_{CE}=650V$
- $I_C=15A@T_C=100^{\circ}C$
- $V_{CE(sat)}=1.6V$

TO-220F



- H
- 10
- P $V_{CE(sat)}$
- H
- E
- R HS



- H
- M
- G

T	M	P	P
JJT15N65SS	T1565SS	TO-220F	T



CES	C	-	650	V
GES	G	-	20	V
	C	(c=25)	30	A
C	C	(c=100)	15	A
CM	P	, "	60	A
F	D	(c=100)		



($\tau = 25$)

S

CES	C -	$V_{GE}=0V, I_C=250\text{ A}$	650	-	-	V
CES	C -	$V_{CE}=650V, V_{GE}=0V$	-	-	50	A
GES	G ,	$V_{GE}=20V, V_{CE}=0V$	-	-	100	A
	G ,	$V_{GE}=-20V, V_{CE}=0V$	-	-	-100	A
GE()	G -	$V_{GE}=V_{CE}, I_C=1\text{ A}$	5.1	5.6	6.1	V
CE()	C -	$V_{GE}=15V, I_C=15A$	-	1.6	-	V
		$V_{GE}=15V, I_C=15A, \tau=175$	-	2.1	-	V

D

	I	$V_{CE}=30V$ $V_{GE}=0V$ $\tau=1MH$	-	1055	-	F
	O		-	57	-	F
	R		-	15	-	F
	T	$V_{CC}=520V$ $V_{GE}=15V$ $I_C=15A$	-	55	-	C



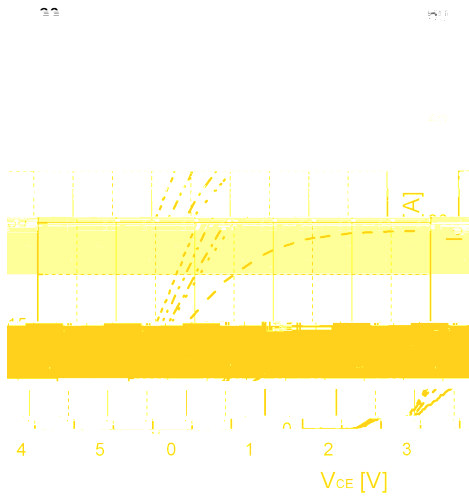
S

()	T -	$CC=400V$ $GE=0/15V$ $C=15A$ $G=10\Omega$ I	-	15	-	
	R		-	17	-	
()	T -		-	110	-	
	F		-	73	-	
	T -		-	0.38	-	J
	T -		-	0.37	-	J
	T		-	0.75	-	J
()	T -	$CC=400V$ $GE=0/15V$ $C=15A$ $G=10\Omega$ I =175	-	14	-	
	R		-	18	-	
()	T -		-	146	-	
	F		-	158	-	
	T -		-	0.44	-	J
	T -		-	0.64	-	J
	T		-	1.08	-	J

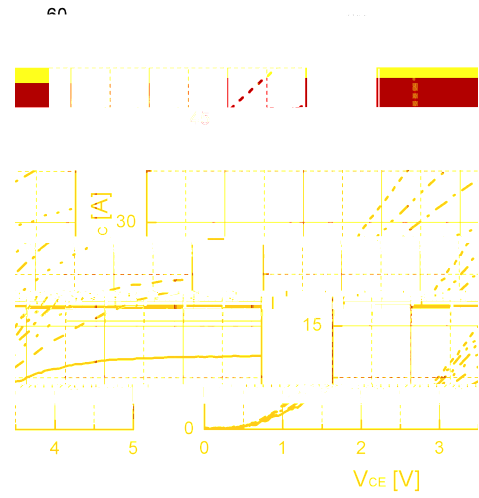


(=25)

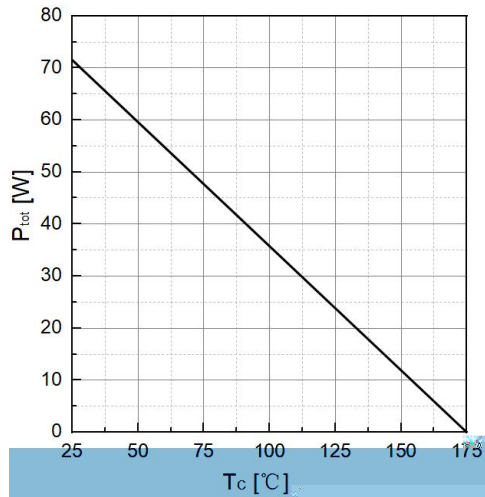
F	D	F=15A	-	1.4	-	V
		F=15A, =175	-	1.1	-	V
	D	R=400V F=15A F/ =-600A/	-	55	-	
	D		-	9.5	-	A
	D		-	220	-	C
	D	R=400V F=15A F/ =-600A/ =175	-	77	-	
	D		-	15	-	A
	D		-	481	-	C



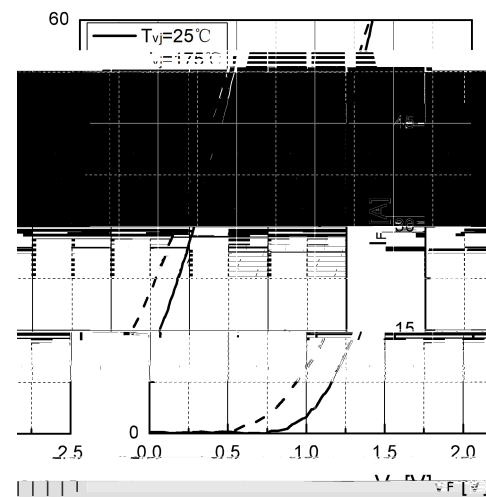
F 1. T ($T_j = 25^\circ\text{C}$)



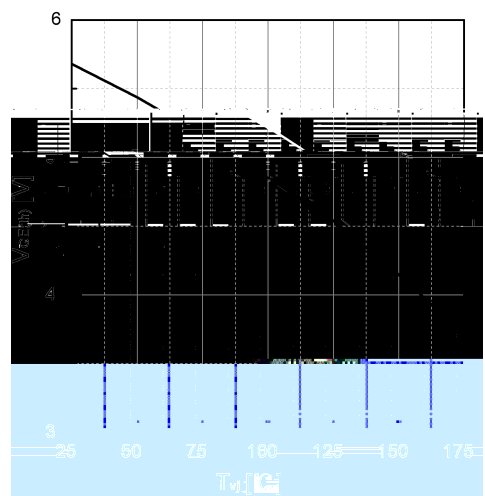
F 2. T ($T_j = 175^\circ\text{C}$)



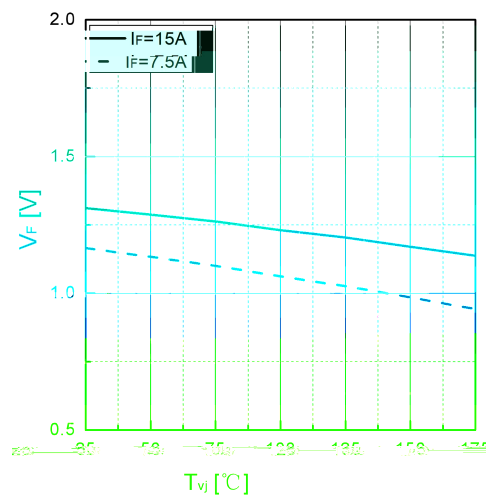
F 3. P



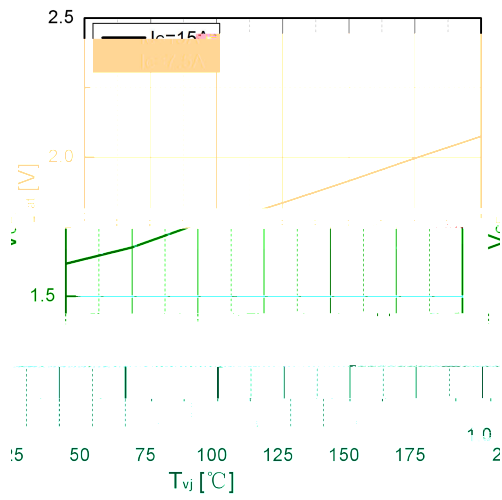
F 4. T



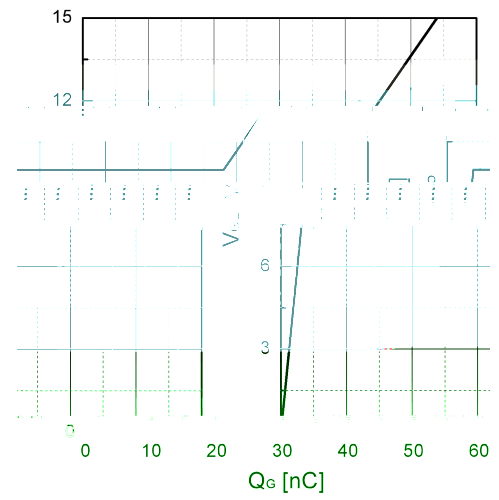
F 5. T
GE ()
($c = 1 \text{ A}$)



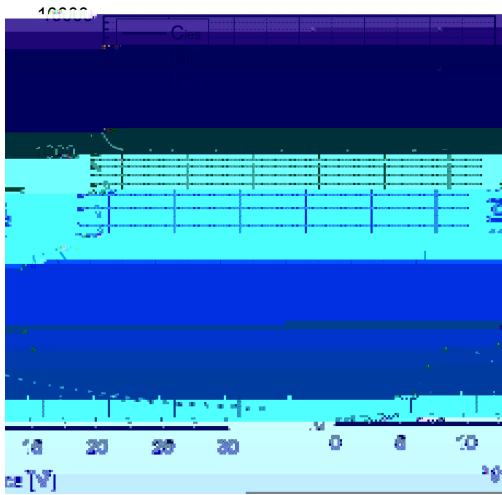
F 6. T



F 7. T CE

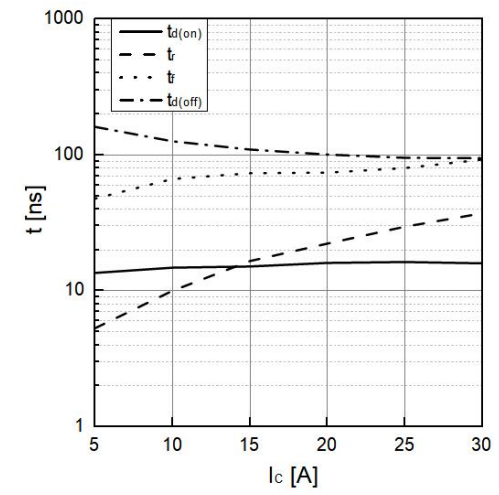


F 8. T G

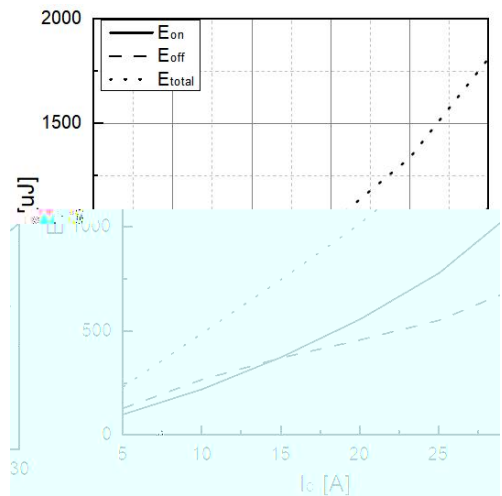


F 9. T CE

($I_c=15A$, $V_{GE}=0V$)

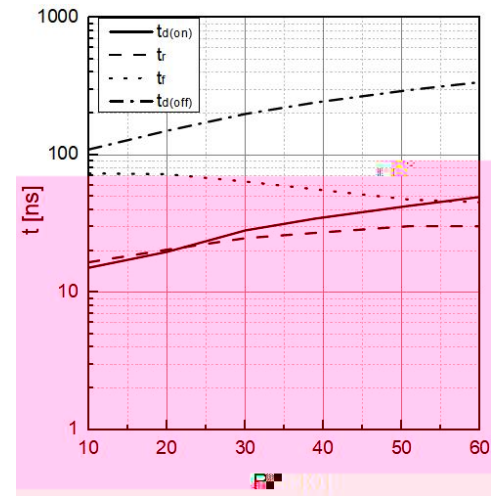


F 10. T C



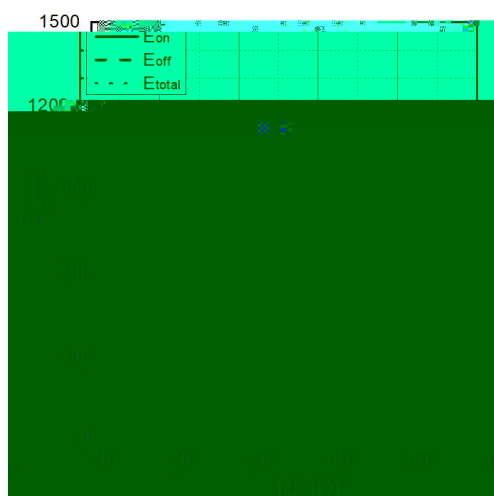
F 11. T

C



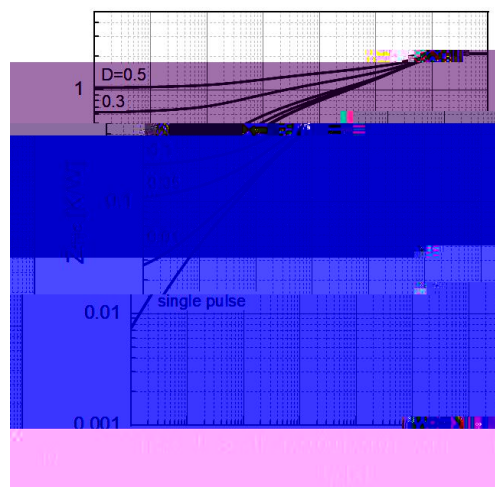
F 12. T

G



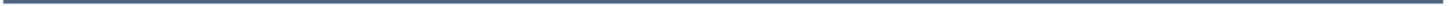
F 13. T

G



F 14. T

, IGBT



値

値 (〇)

D

R .	M		D		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

0B%

All product information is copyrighted and subject to legal disclaimers.





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