

650V 15A T c a d F d S IGBT

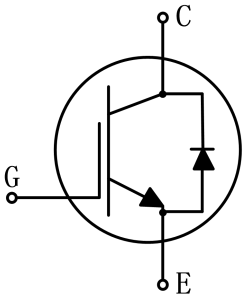
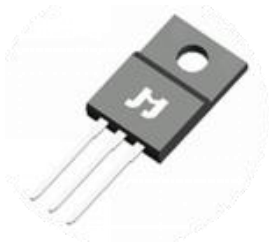
JST15N65SS

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

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

- H
- M
- G

TO-220F



T	M	P	P
JST15N65SS	S1565SS	TO-220F	T



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)		





($\beta = 25$)

S

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

D

	I	$V_{CE}=30V$ $V_{GE}=0V$ $\beta=1MH$	-	955	-	F
	O		-	51	-	F
	R		-	6	-	F
	T	$V_{CC}=520V$ $V_{GE}=15V$ $I_C=15A$	-	32	-	C

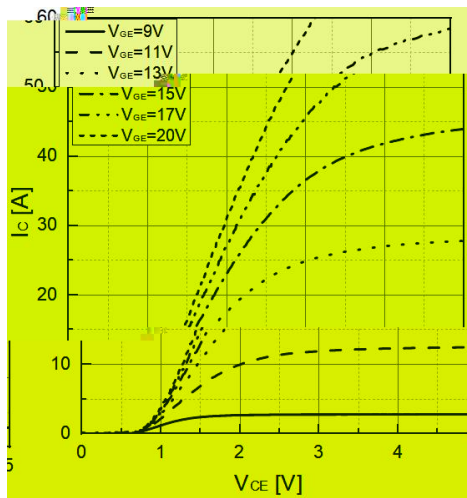


()	T	-	-	16	-	
	R		-	21	-	
()	T	-	$U_{CC}=400V$	-	67	-
	F		$U_{GE}=0/15V$	-	86	-
	T	-	$I_C=15A$	-	0.45	- J
	T	-	$R_G=10\Omega$	-	0.32	- J
	T			-	0.77	- J
()	T	-		-	16	-
	R			-	21	-
()	T	-	$U_{CC}=400V$	-	83	-
	F		$U_{GE}=0/15V$	-	144	-
	T	-	$I_C=15A$	-	0.48	- J
	T	-	$R_G=10\Omega$	-	0.46	- J
	T		$I_{max}=175$	-	0.9	-

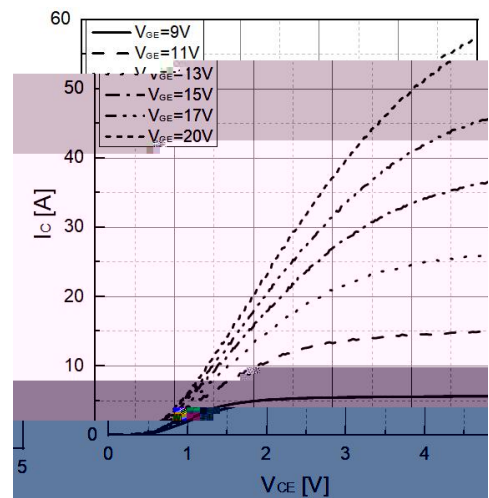


($\epsilon = 25$)

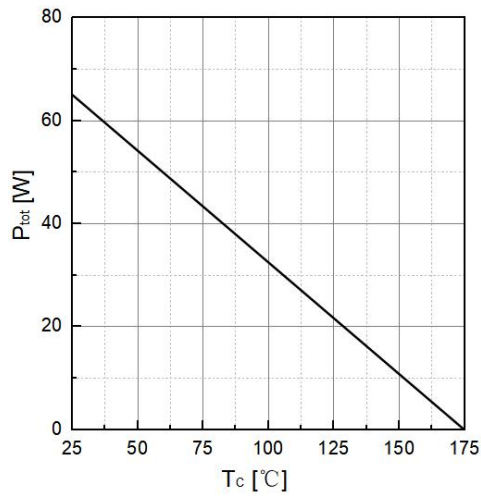
F	D	$F=15A$	-	1.4	-	V
		$F=15A, \epsilon=175$	-	1.1	-	V
	D	$R=400V$ $F=15A$ $F/\epsilon=-600A/$	-	160	-	
	D		-	7.5	-	A
	D		-	500	-	C
	D	$R=400V$ $F=15A$ $F/\epsilon=-600A/$ $\epsilon=175$	-	250	-	
	D		-	12.5	-	A
	D		-	1340	-	C



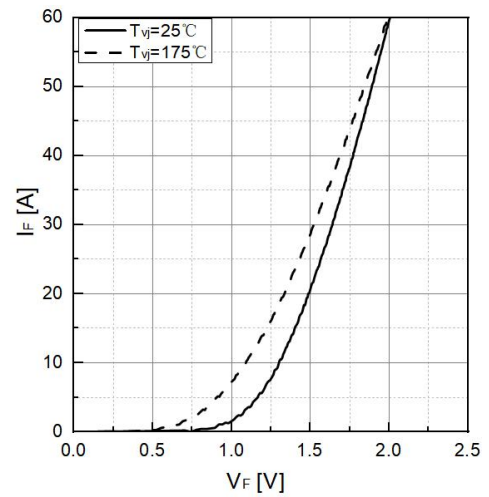
F 1. T ($T_{vj} = 25^\circ\text{C}$)



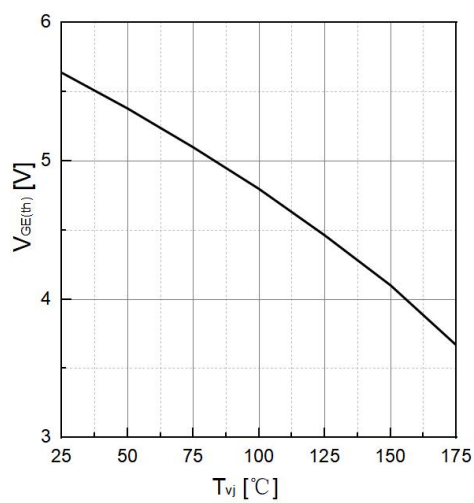
F 2. T ($T_{vj} = 175^\circ\text{C}$)



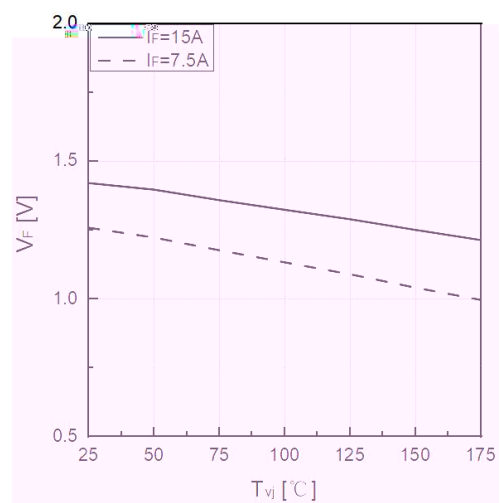
F 3. P



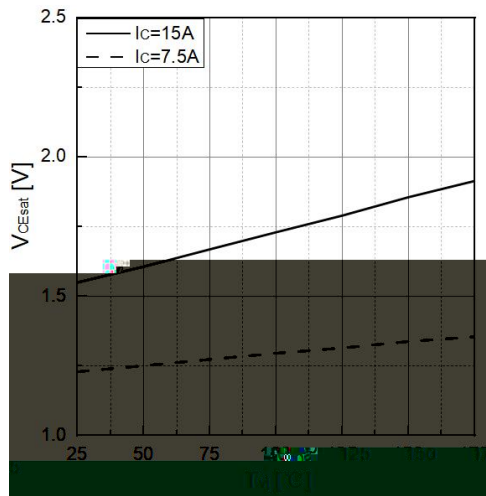
F 4. T F F



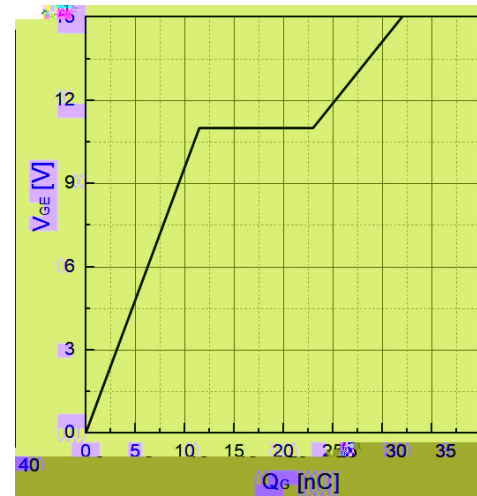
F 5. T $V_{GE(th)}$ ($I_C = 1\text{ A}$)



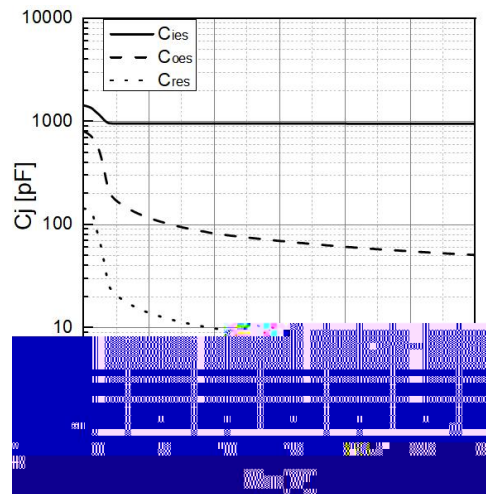
F 6. T F



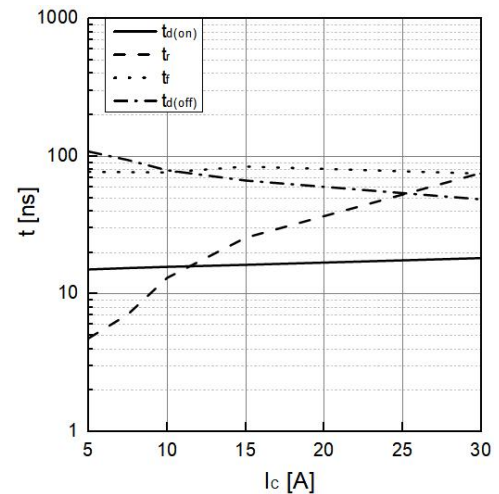
F 7. T CE



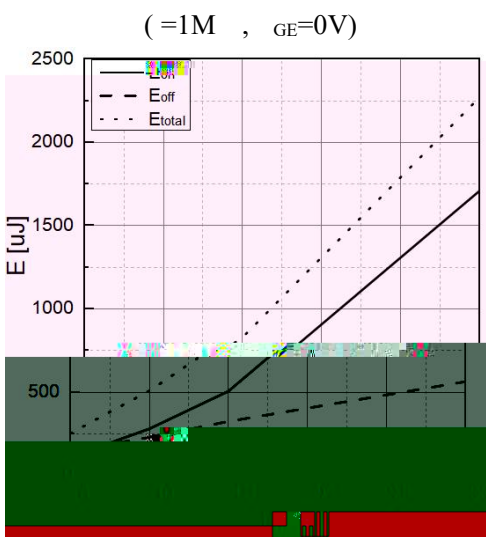
F 8. T G



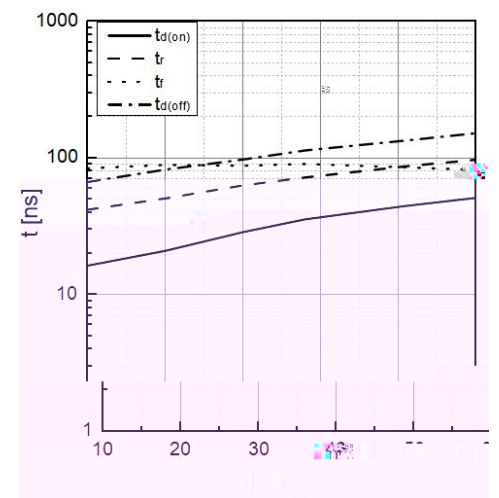
F 9. T CE



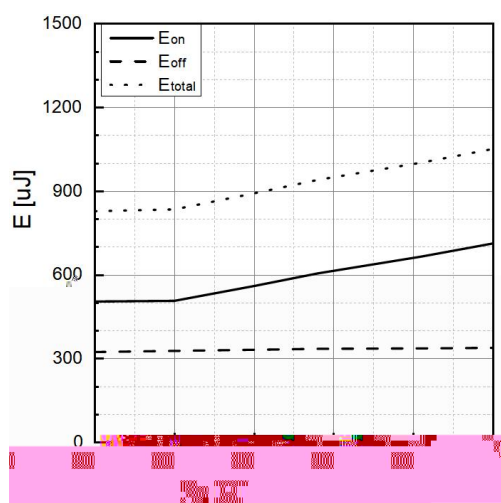
F 10. T C



F 11. T C

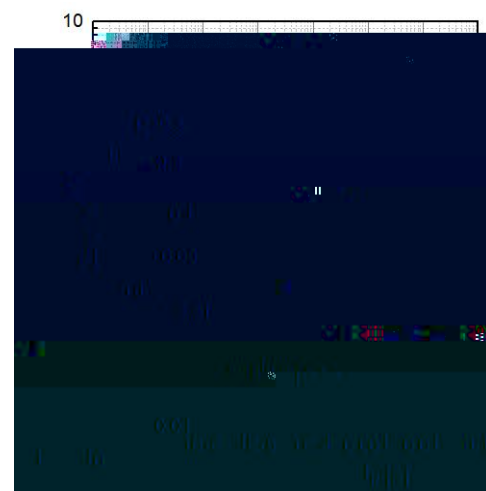


F 12. T G



F 13. T

G



F 14. T

, IGBT





D	R	C
2025-12-04	R 1.0	I R
2026-06-24	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