JJMICROELECTRONICS

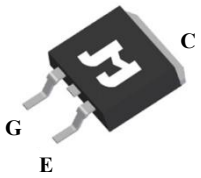
650V 20A Trench and Field Stop IGBT

JJT20N65SC

K :

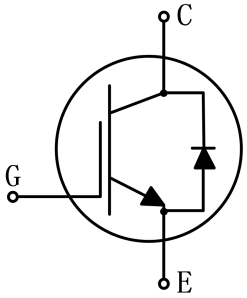
TO-263

- $_{CE}$=650V
- $_{C}$=20A@ $_{C}$=100
- $_{CE(\ )}$=1.6 V



F :

- H .
- 10 .
- P $_{CE(\ )}$.
- H .
- E .
- R HS .



A :

- H
- M
- G

T	M	P	P
JJT20N65SC	T2065SC	TO-263	T

All d c i f a i i c igh ed a d bjec legal di clai e .

M

CES	C -	650	V
GES	G -	20	V
C	C (C=25)	40	A
	C (C=100)	20	A
CM	P ,	80	A
F	D (C=100)	20	A
FM	D ,	80	A
	S	10	
	P (C=25)	188	
	P (C=100)	94	
	O	-40 +175	
	S	-55 +150	

		.	M .	
(-)	T , IGBT	-	0.8	K/
(-)	T , D	-	1.1	K/
(-)	T ,	-	40	K/

All d c i f ai i c igh ed a d bjec legal di clai e .

M . . M .

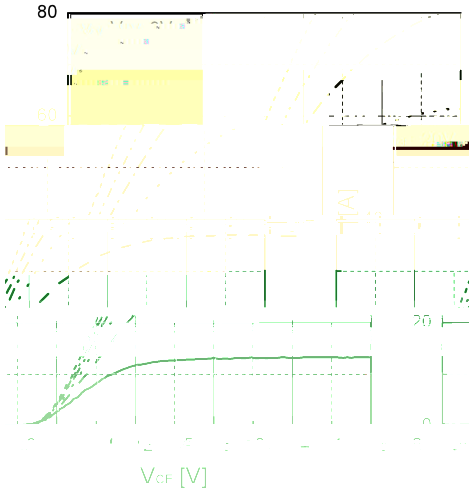
$_{CES}$ C - $_{GE}$=0V, $_{C}$=250 A 6□

All d c i f ai i c igh ed a d bjec legal di clai e .

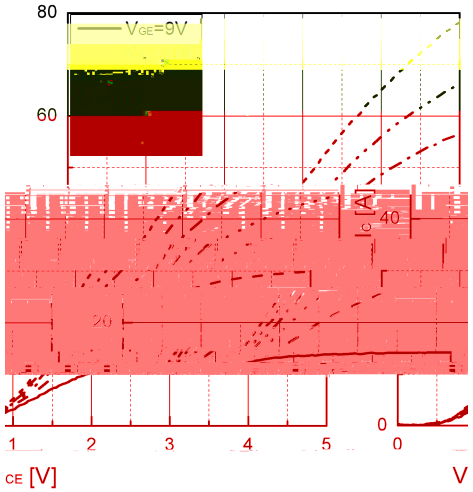
E **D** (=25)

			M .	**.**	**M .**	
F	D	F=20A	-	1.6	-	V
		F=20A, =175	-	1.2	-	V
	D	R=400V F=20A F/ =-500A/	-	62	-	
	D		-	12	-	A
	D		-	472	-	C
	D	R=400V F=20A F/ =-500A/ =175	-	90	-	
	D		-	19	-	A
	D		-	1130	-	C

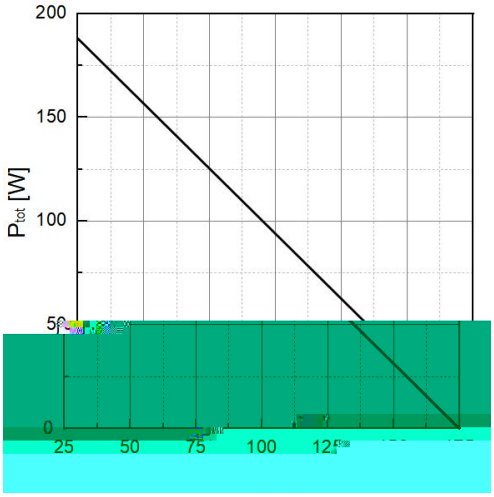
All d c i f ai i c igh ed a d bjec legal di clai e .



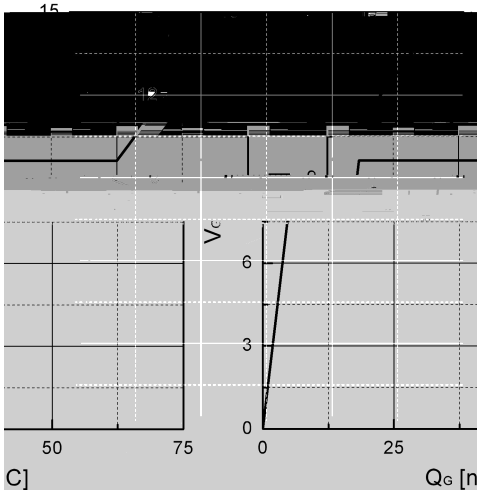
F 1. T (=25)



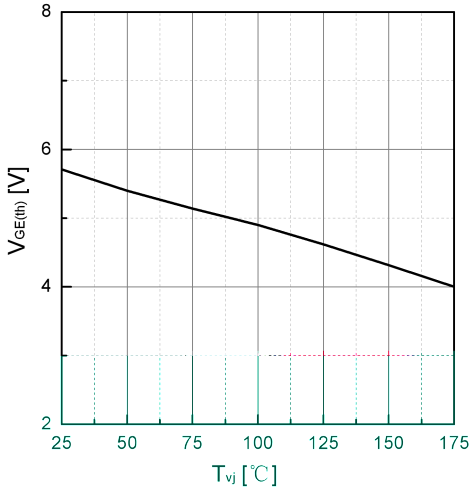
F 2. T (=175)



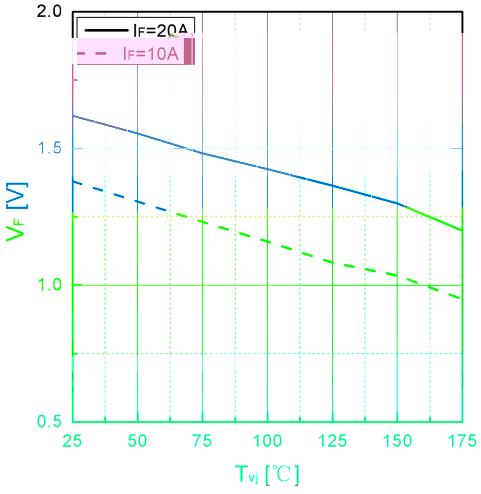
F 3. P



F 4. T G

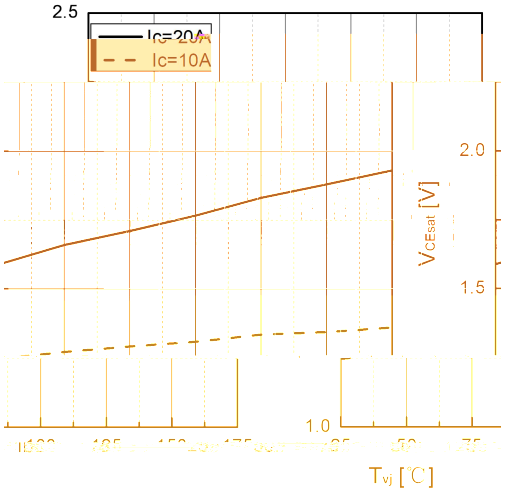


F 5. T GE( )
(C=1 A)

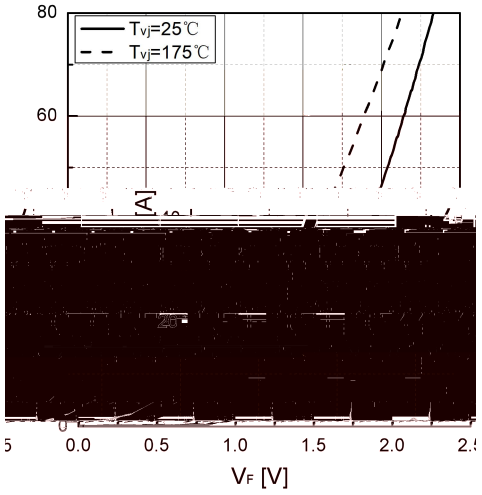


F 6. T F

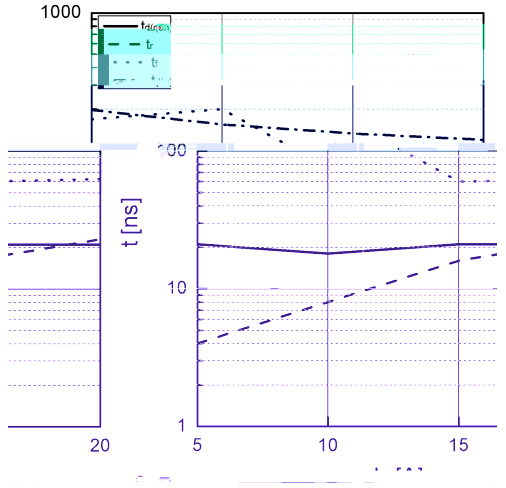
All d c i f ai i c igh ed a d bjec legal di clai e .



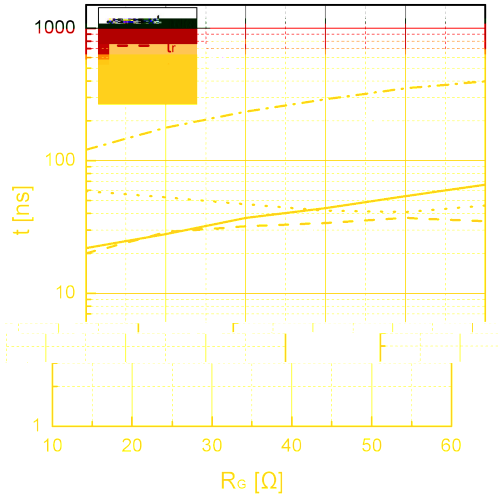
F 7. T CE



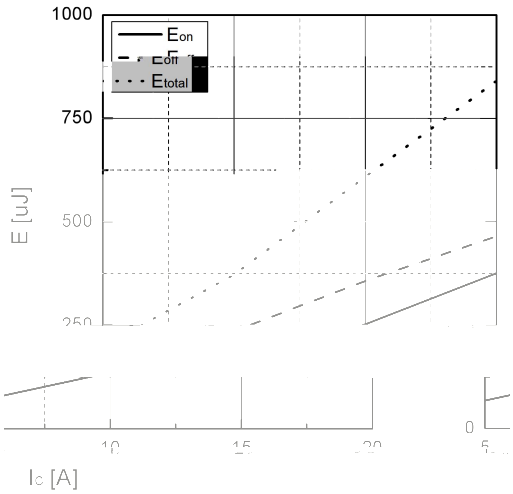
F 8. T F F



F 9. T C

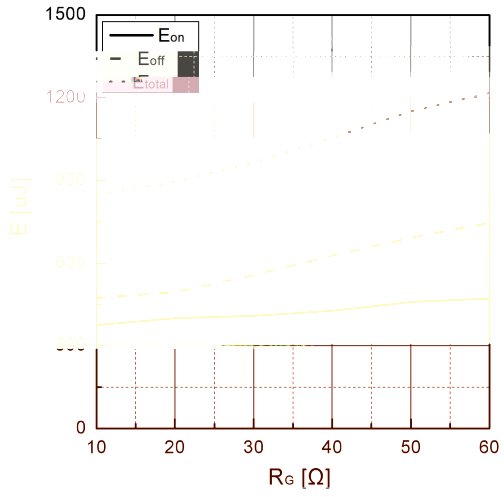


F 10. T G



F 11. T

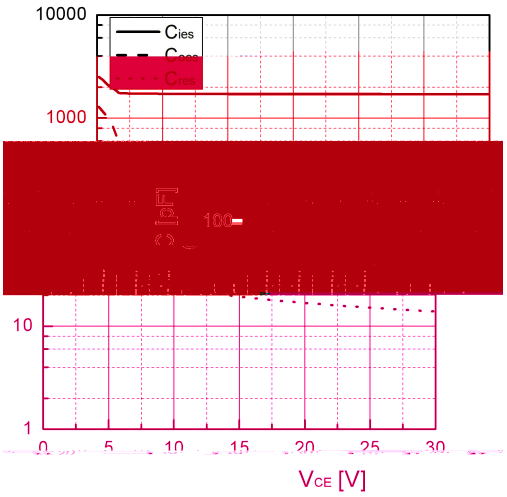
C



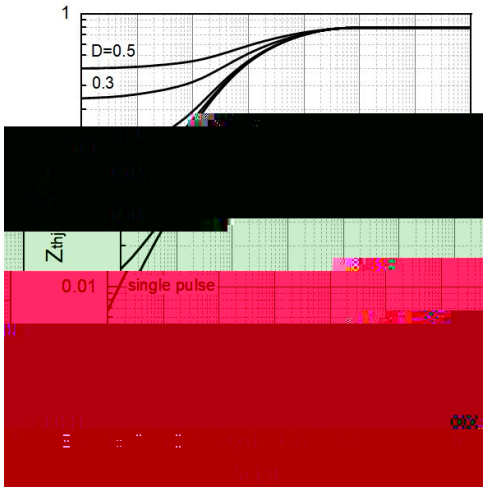
F 12. T

G

All d c i f ai i c igh ed a d bjec legal di clai e .



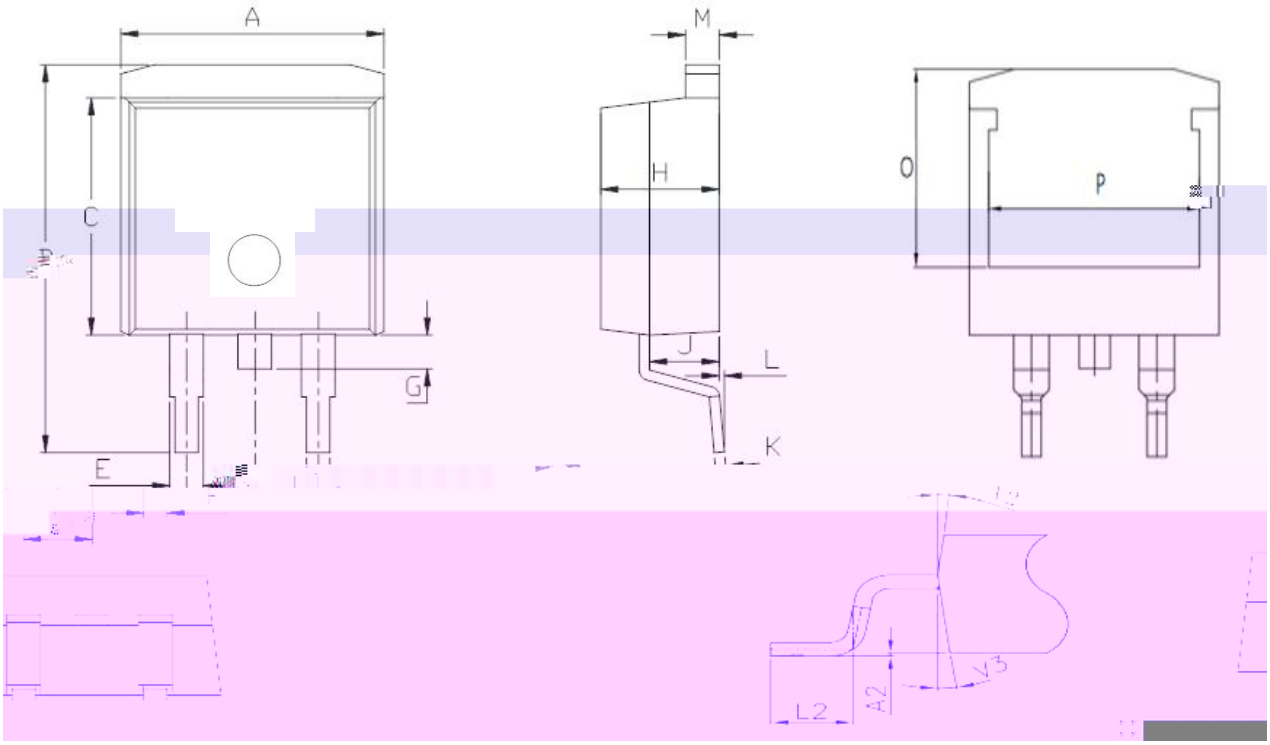
F 13. T CE
(=1M , GE=0V)



F 14. T , IGBT

All d c i f a i i c igh ed a d bjec legal di clai e .

TO-263



R .	D					
	M			I		
	M .	T .	M .	M .	T .	M .
A	9.90	-	10.20	0.390	-	0.402
B	14.70	-	15.80	0.579	-	0.622
C	8.8	-	9.4	0.346	-	0.370
D	-	2.54	-	-	0.100	-
E	1.37	-	1.57	0.054	-	0.062
F	0.75	-	0.85	0.029	-	0.033
G	-	-	1.75	-	-	0.069
H	4.30	-	4.70	0.169	-	0.185
J	2.30	-	2.70	0.091	-	0.106
K	0.38	-	0.55	0.015	-	0.022
L	0	0.15	0.25	0	0.006	0.010
M	1.25	-	1.35	0.049	-	0.053
O	7.4	7.65	7.9	0.291	0.301	0.311
P	8.3	8.6	8.9	0.327	0.339	0.350
L2	2.20	2.35	2.50	0.087	0.093	0.098

All d c i f a i i c igh ed a d bjec legal di clai e .

D	R	C
2024-05-20	R 1.1	U
2024-06-21	R 1.2	U
2025-03-06	R 1.3	C
2026-03-12	R 1.4	U POD
2026-06-23	R 1.5	U

D

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
. 2025 JJM - A

All d c i f a i i c igh ed a d bjec legal di clai e .