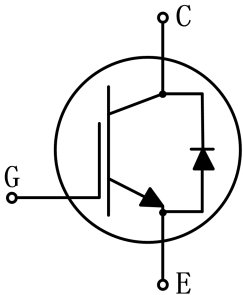


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- $V_{CE}=650V$
- $I_C=30A@T_C=100^{\circ}C$
- $V_{CE(sat)}=1.7V$

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

- H
- M
- G



T	M	P	P
JJT30N65SC	T3065SC	TO-263	T



CES	C -	650	V
GES	G -	20	V
C	C (c=25)	60	A
	C (c=100)	30	A
CM	P ,	120	A
F	D (c=100)	30	A
FM	D ,	80	A
	S	10	μ
	P (c=25)	250	
	P (c=100)	125	
	O	-40 +175	
	S	-55 +150	

(-)	T , IGBT	-	0.6	K/
(-)	T , D	-	1.1	K/
(-)	T ,	-	40	K/



($\beta = 25$)

S

CES	C -	$U_{GE}=0V, I_C=250\mu A$	650	-	-	V
CES	C -	$U_{CE}=650V, U_{GE}=0V$	-	-	50	μA
GES	G ,	$U_{GE}=20V, U_{CE}=0V$	-	-	100	A
	G ,	$U_{GE}=-20V, U_{CE}=0V$	-	-	-100	A
$U_{GE}(\beta)$	G -	$U_{GE}=U_{CE}, I_C=1 A$	5.2	5.7	6.2	V
$U_{CE}(\beta)$	C -	$U_{GE}=15V, I_C=30A$	-	1.7	-	V
		$U_{GE}=15V, I_C=30A, \beta=175$	-	2.2	-	V

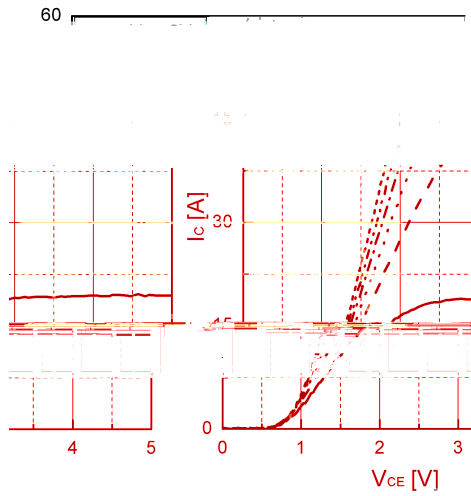
D

	I	$U_{CE}=30V$ $U_{GE}=0V$ $\beta=1MH$	-	1978	-	F
	O		-	100	-	F
	R		-	23	-	F
	T	$U_{CC}=520V$ $U_{GE}=15V$ $I_C=30A$	-	103	-	C

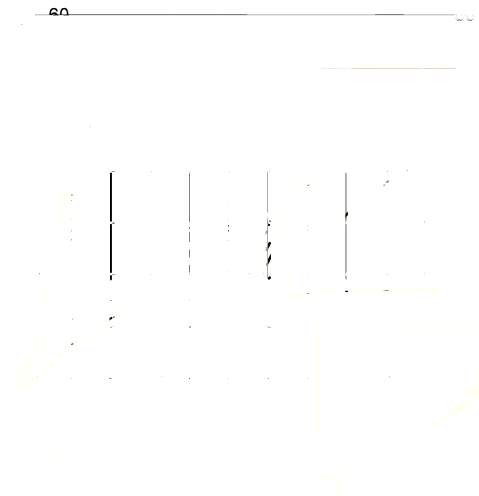


($\alpha = 25^\circ$)

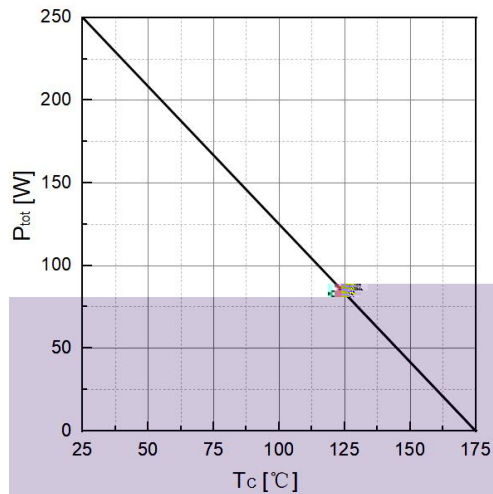
F	D	$F=30A$	-	1.7	-	V
		$F=30A, \alpha=175^\circ$	-	1.4	-	V
	D	$R=400V$ $F=30A$ $F/\alpha=-550A/\mu$	-	105	-	
	D		-	16	-	A
	D		-	876	-	C
	D	$R=400V$ $F=30A$ $F/\alpha=-550A/\mu$ $\alpha=175^\circ$	-	171	-	
	D		-	26	-	A
	D		-	2650	-	C



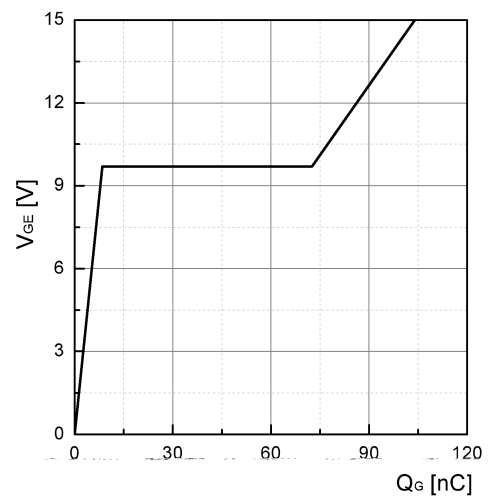
F 1. T ($I_B = 25$)



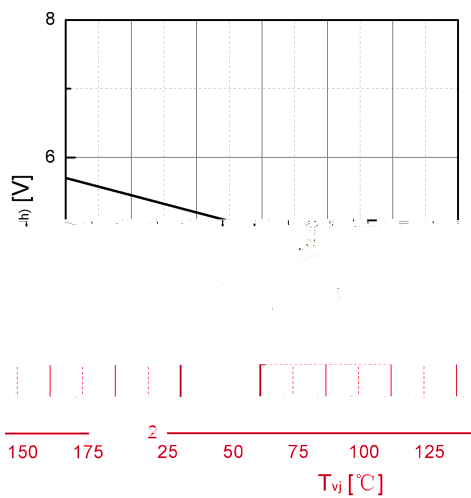
F 2. T ($I_B = 175$)



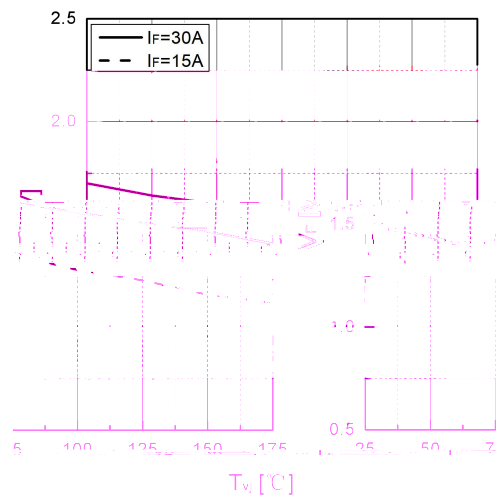
F 3. P



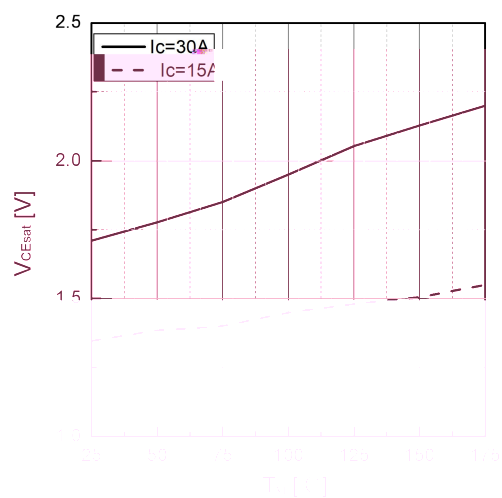
F 4. T G



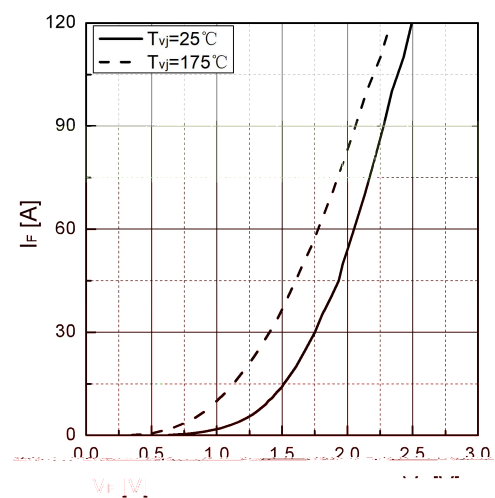
F 5. T $V_{GE}(\text{)}$
($c=1$ A)

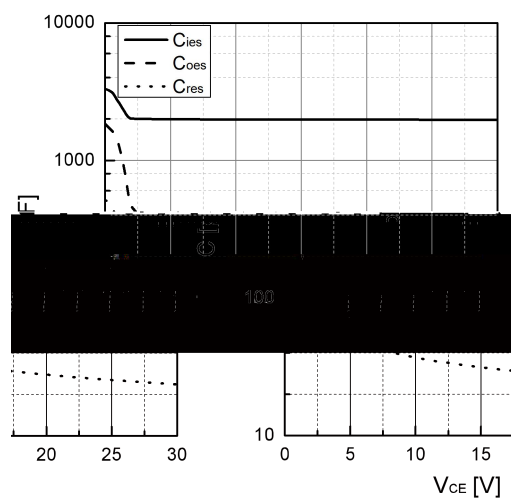


F 6. T F

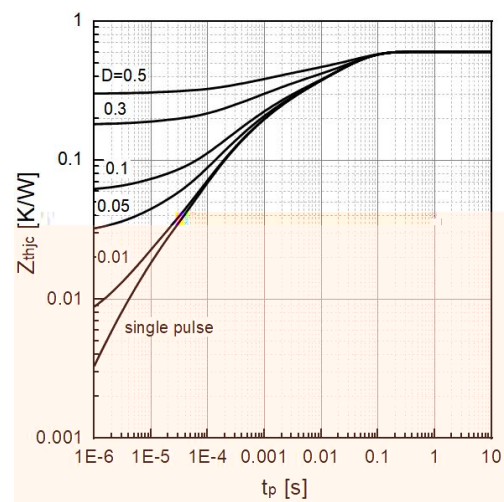


F 7. T CE



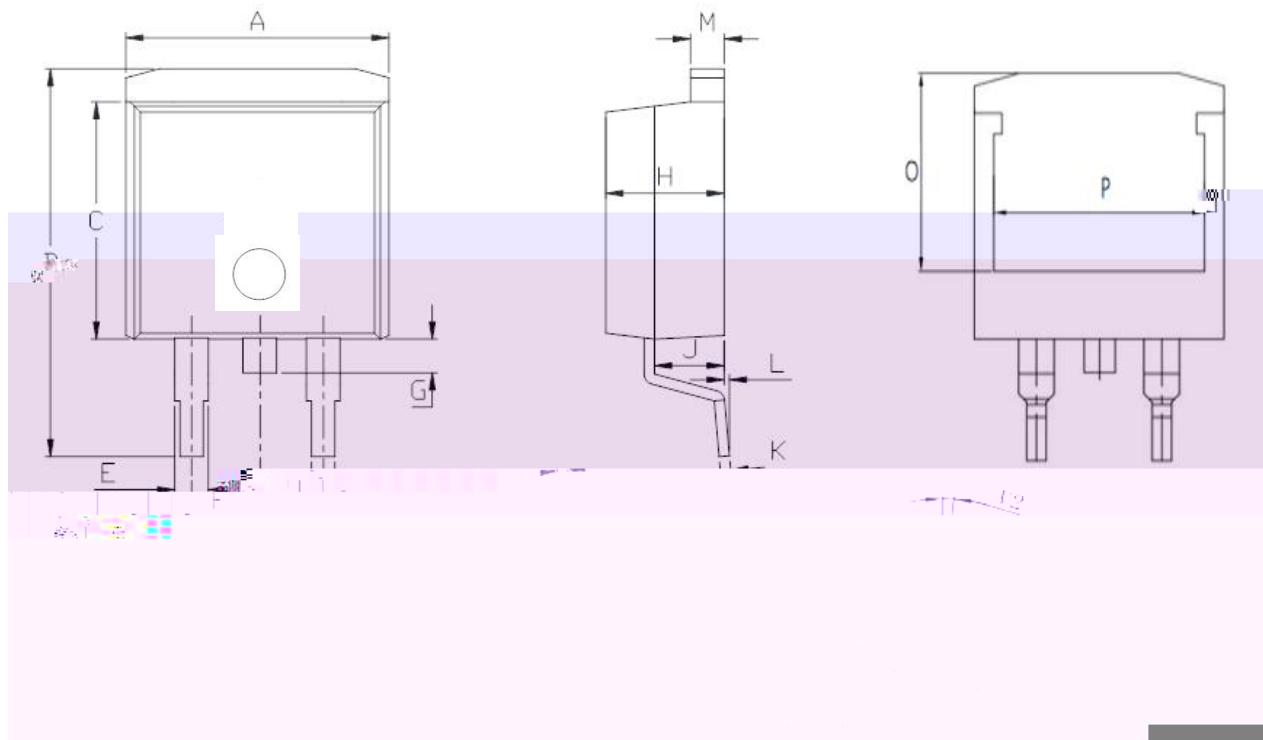


F 13. T
CE
($=1\text{M}$, $V_{GE}=0\text{V}$)



F 14. T
, IGBT

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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

