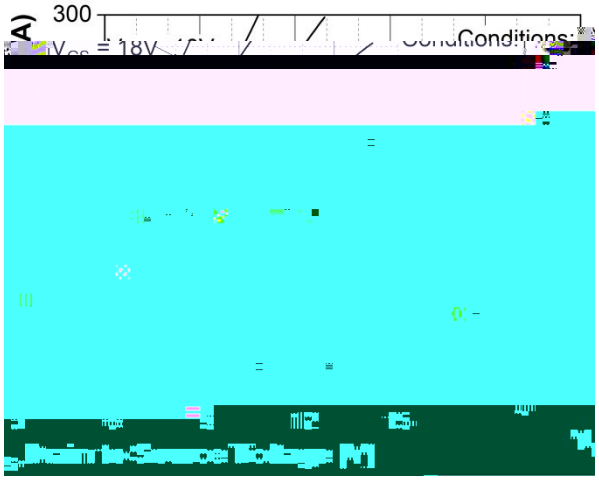
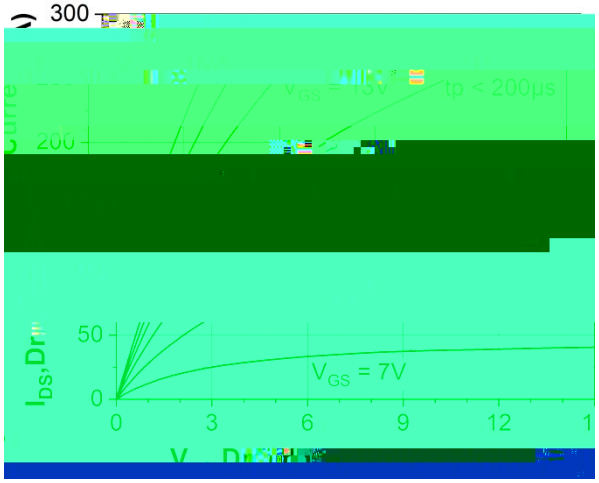
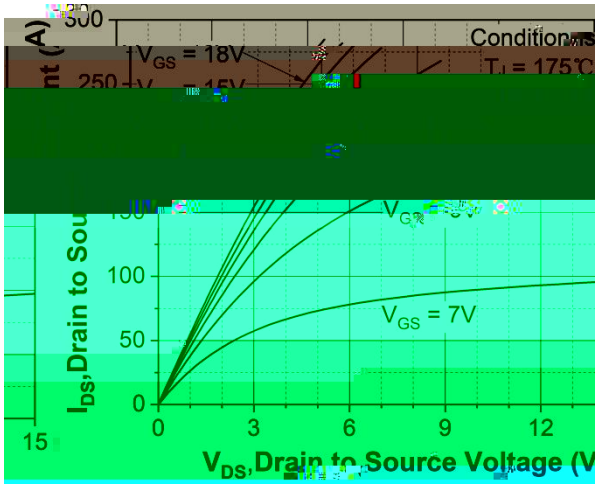
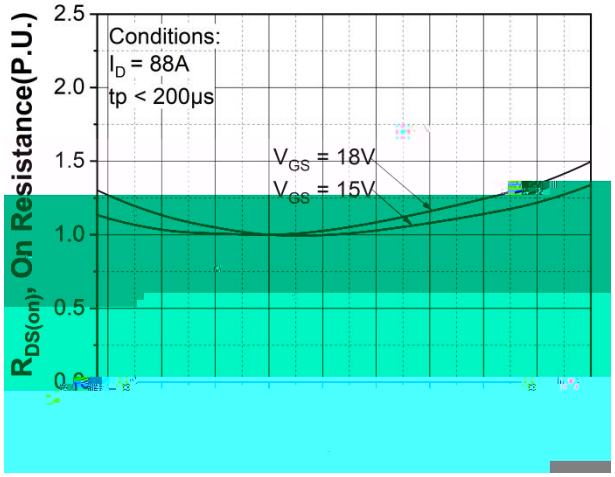
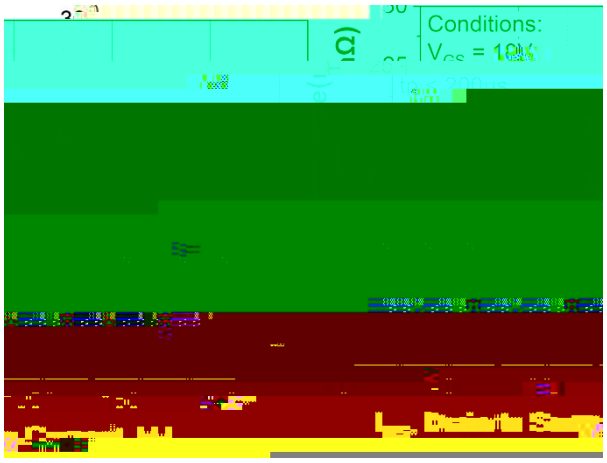
≤

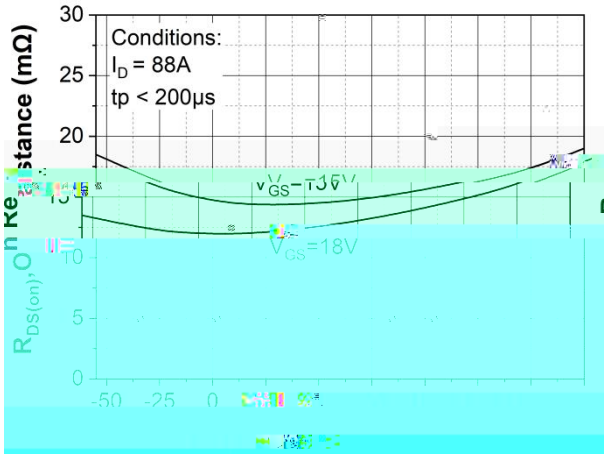

300
Conditions:
50
0
0
3
6
9
12

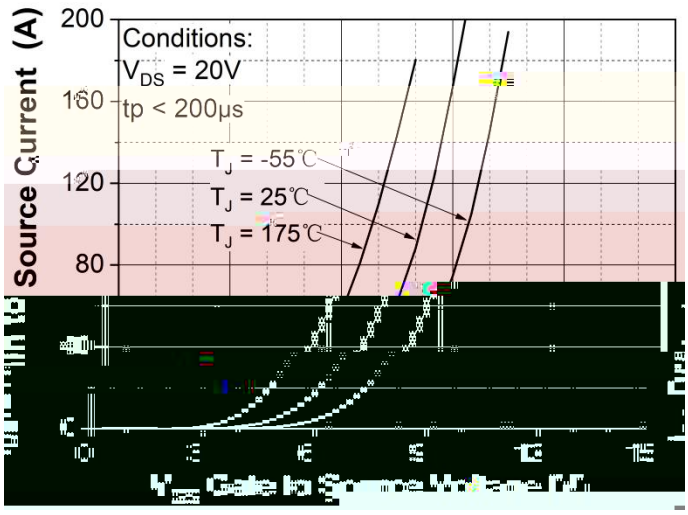

300
200
50
0
0
3
6
9
12

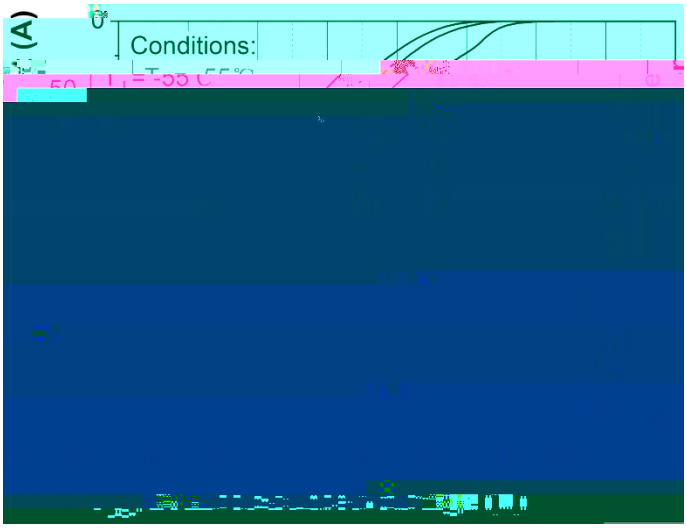

300
Conditions:
V_{GS} = 18V
250
100
50
0
0
3
6
9
12
15
V_{DS},Drain to Source Voltage (V

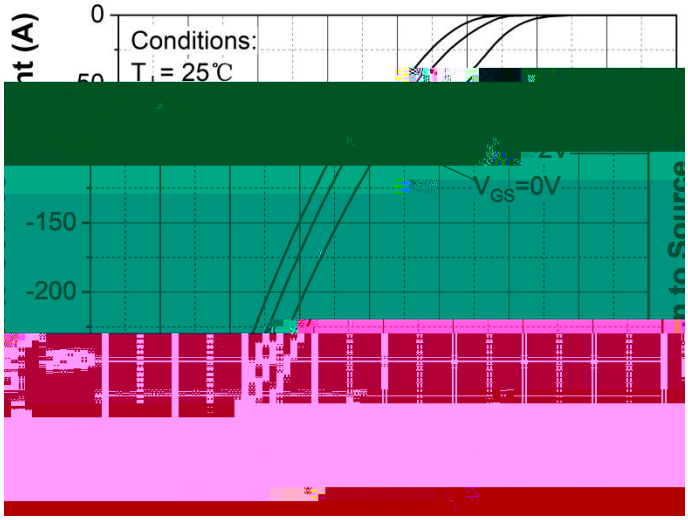

2.5
2.0
1.5
1.0
0.5
0.0
Conditions:
I_D = 88A
tp < 200μs
V_{GS} = 18V
V_{GS} = 15V
$R_{DS(on)}$, On Resistance(P.U.)

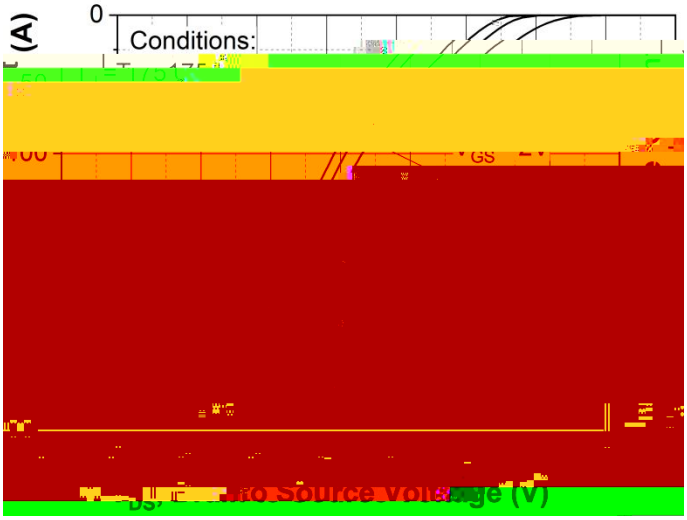

Conditions:

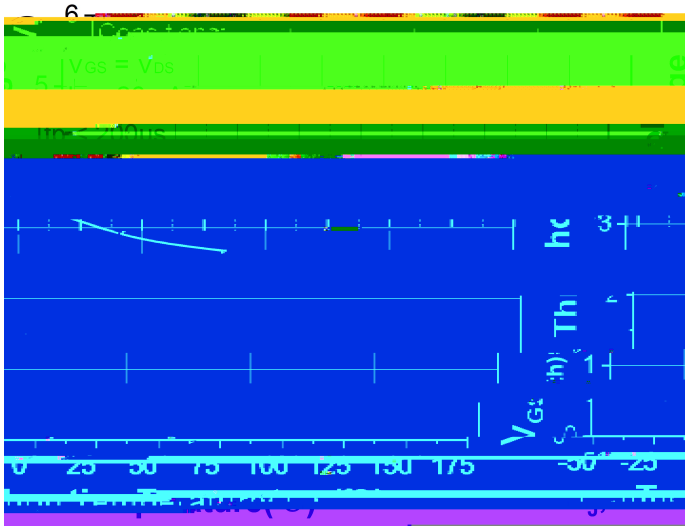

30
25
20
10
5
0
Conditions:
I_D = 88A
tp < 200μs
V_{GS}=18V

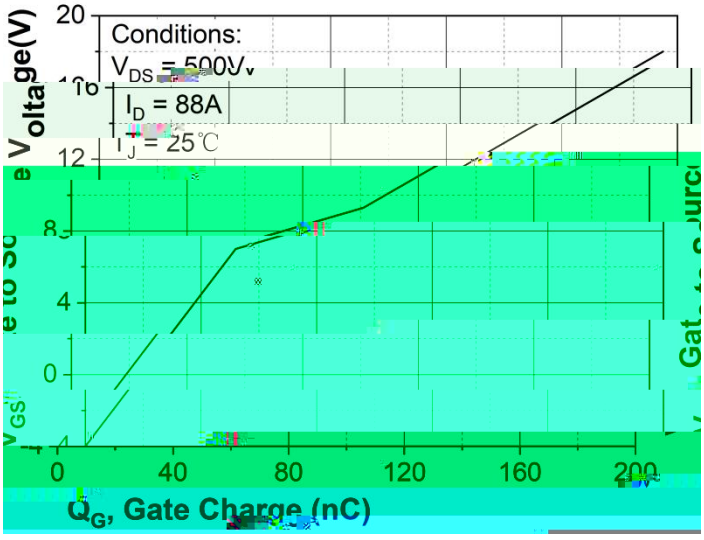

Source Current (A)
200
160
120
80
Conditions:
V_{DS} = 20V
tp < 200μs
T_J = -55℃
T_J = 25℃
T_J = 175℃

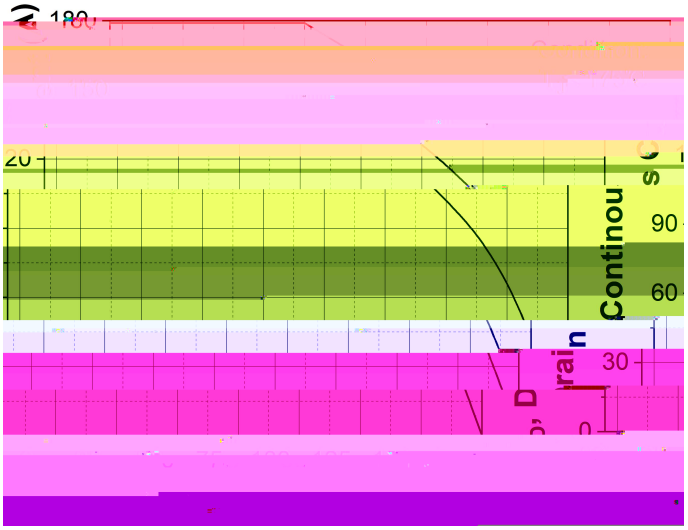

(A)
Conditions:

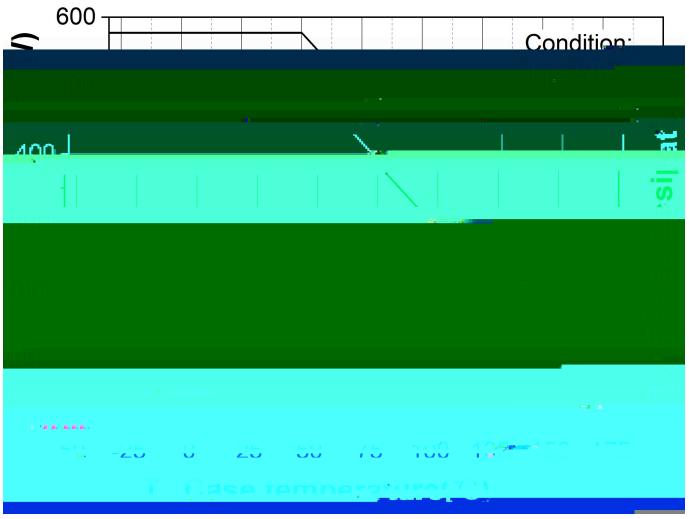

0
Conditions:
T_J = 25℃
V_{GS}=0V
-150
-200

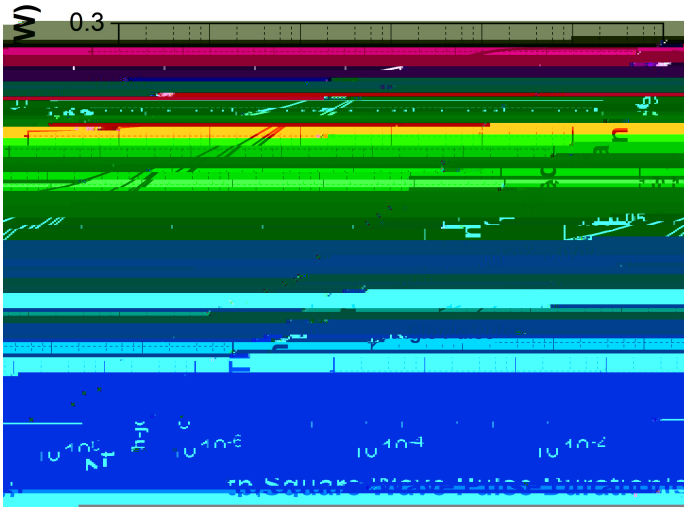

0
Conditions:

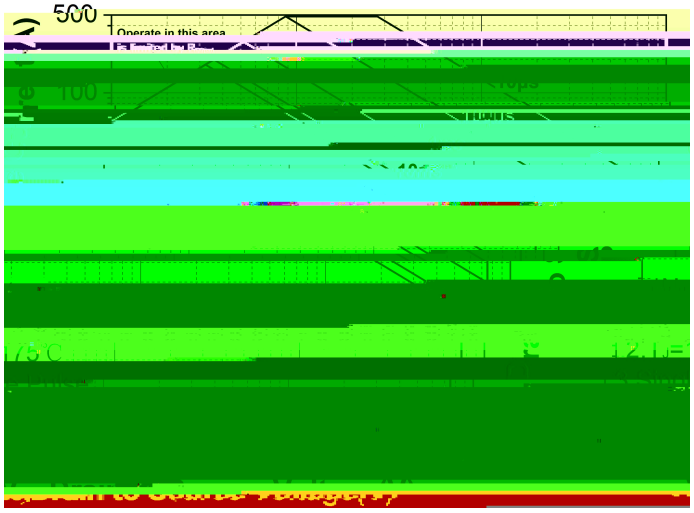

6
V_{GS} = V_{DS}
0
25
50
75
100
125
150
175

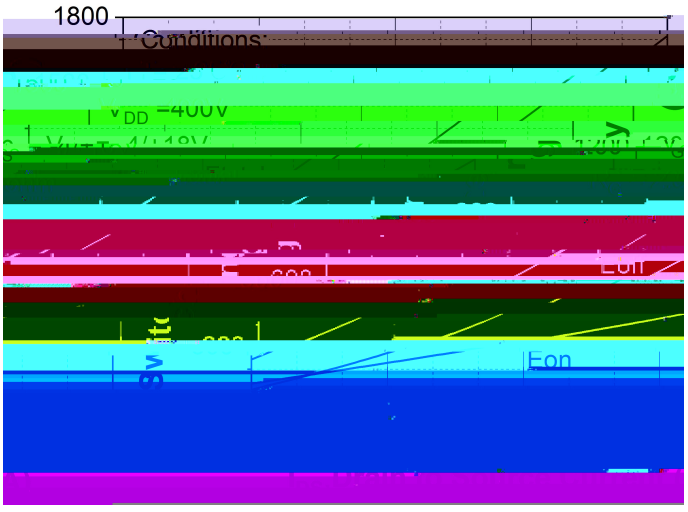

20
Conditions:
V_{DS} = 500V
I_D = 88A
T_J = 25℃
12
8
4
0
0
40
80
120
160
200
Q_G, Gate Charge (nC)

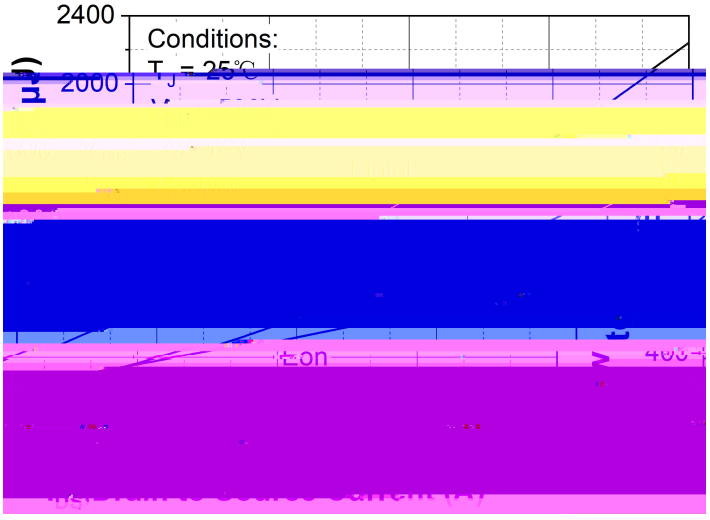

180
20
90
60
30
0

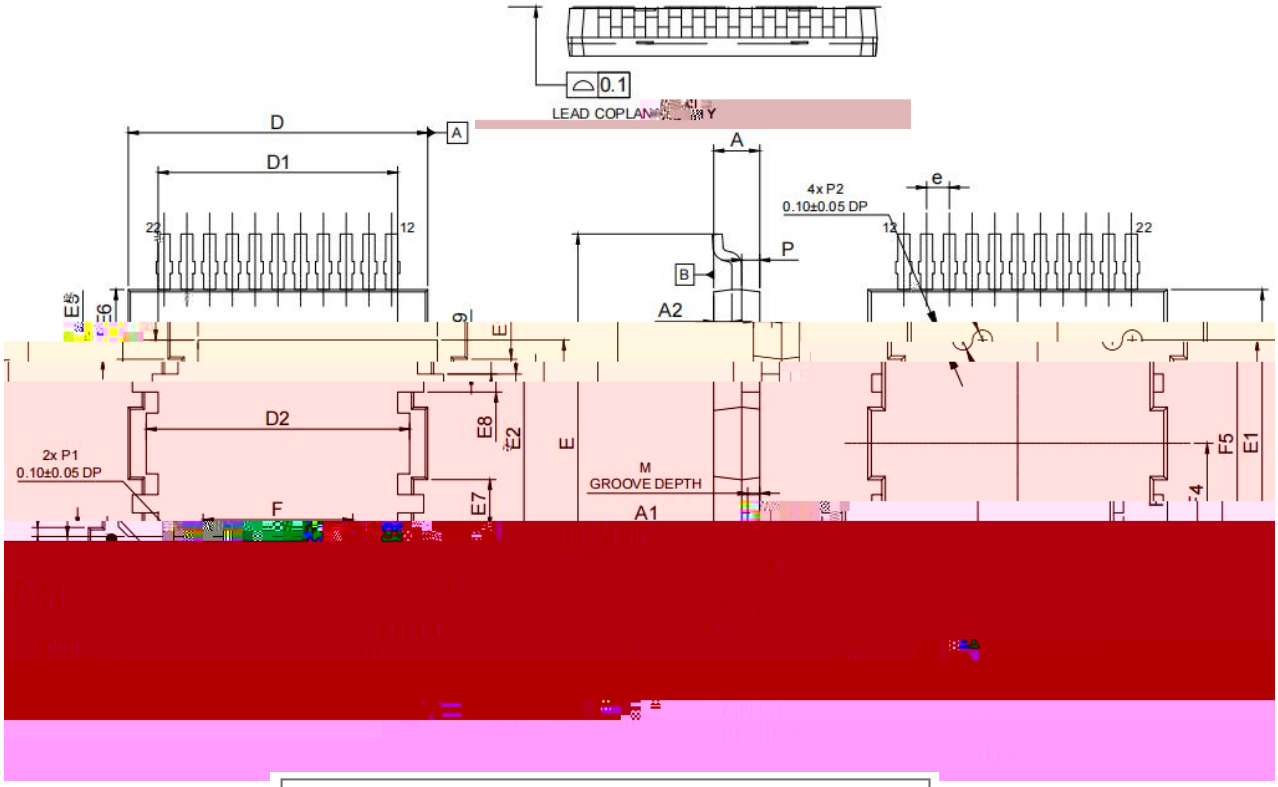

600
Condition:


0.3

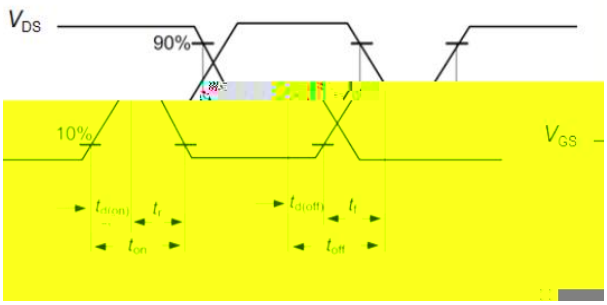

500
Operate in this area

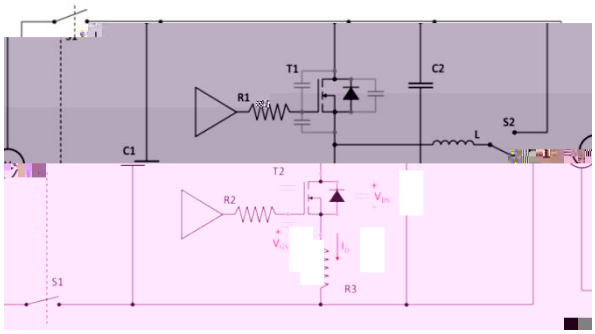

1800
Conditions:
VDD =400V
Eon

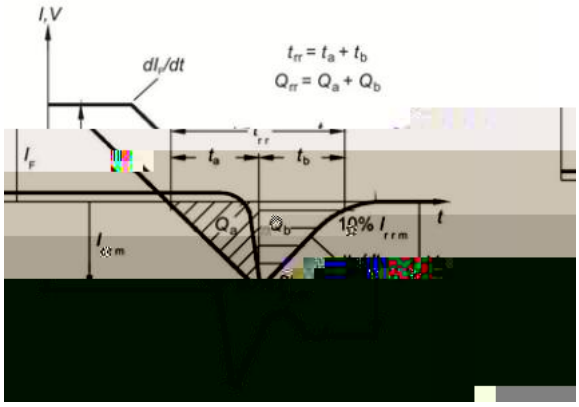

2400
Conditions:
TJ = 25°C
2000
ton



CONTROLLING DIMENSION :MILLIMETERS					
SYMBOL	MIN	MAX	SYMBOL	MIN	MAX
A	2.25	2.35	E9	0.75	
A1	0.000	0.15	e	1.14	
A2	0.90		e1	11.4	
A3	0.50		F	7.40	7.60
b	0.50	0.70	F1	1.47	1.67
b1	-	0.15	F2	7.40	7.60
c	0.46	0.58	F3	3.65	3.85
D	14.90	15.10	F4	5.07	5.27
D1	12.00		F5	10.24	10.44
D2	13.20		L	1.30	
D3	14.50	14.70	M	0.60	
E	20.81	21.11	N	22	
E1	15.30	15.50	O	0°	8°
E2	9.83		P	0.90	
E3	0.625		P1	0.70	0.90
E4	0.45		P2	0.90	1.10
E5	0.95		Q	1.60	
E6	2.53		R	1.70	
E7	2.40		S	0.631	
E8	0.90				


V_{DS}
90%
10%
V_{GS}
$t_{d(on)}$
t_r
t_{on}
$t_{d(off)}$
t_f
t_{off}


T1
C2
R1
S2
L
C1
T2
R2
R3
S1


I,V
dI_F/dt
$t_{rr} = t_a + t_b$
$Q_{rr} = Q_a + Q_b$
I_F
t_a
t_b
Q_a
Q_b
10% I_{rrm}
t
I_{rrm}

		——	——
			——