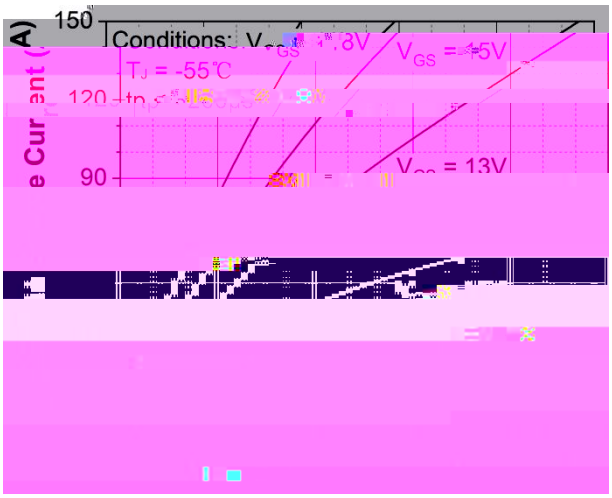
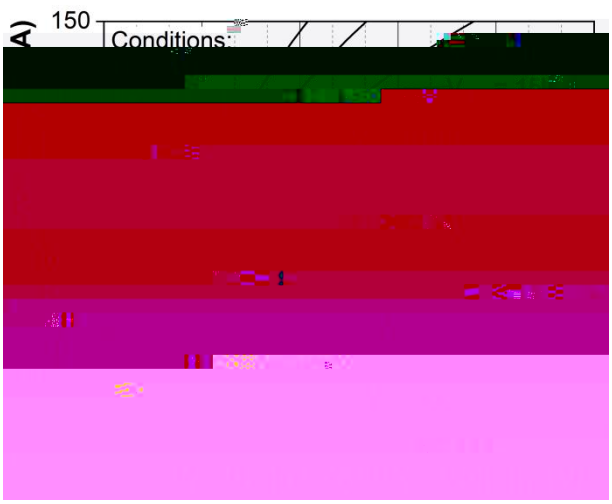

Drain
(Pin 1, TAB)
Gate
(Pin 4)
Driver
Source

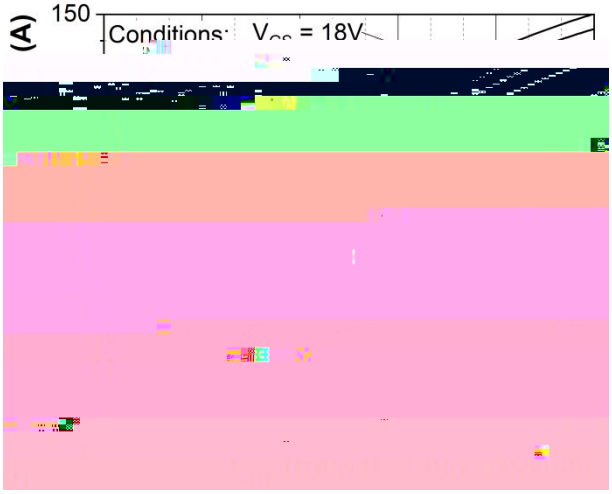

F
Cl
Halogen-Free
Br
I

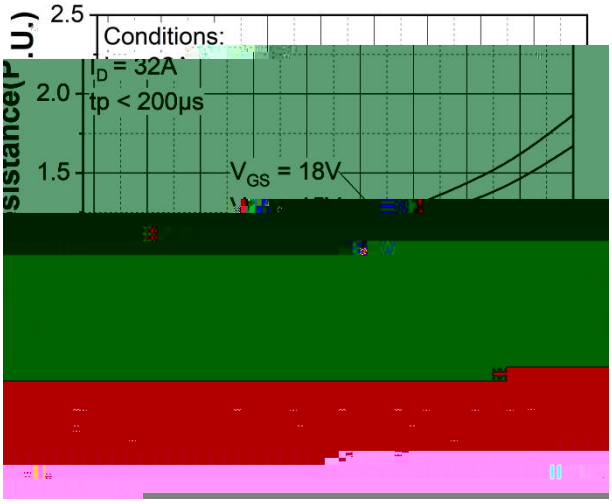

RoHS

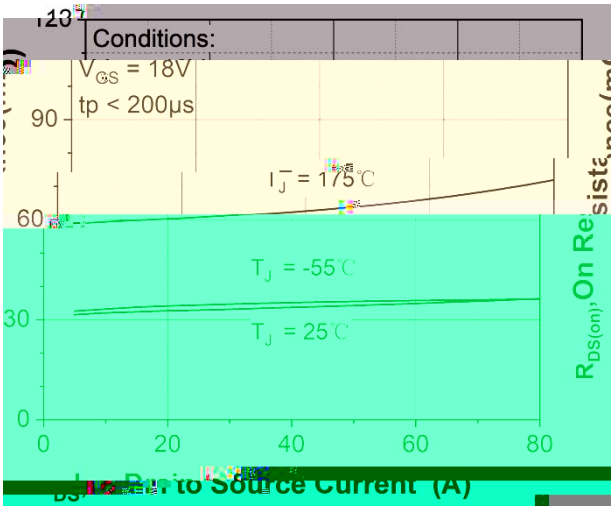
				≤	

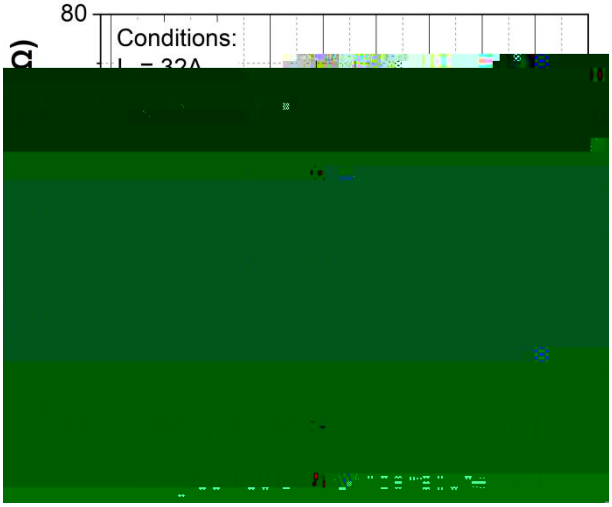

150
Conditions:
T_J = -55℃
V_{GS} = +5V
90

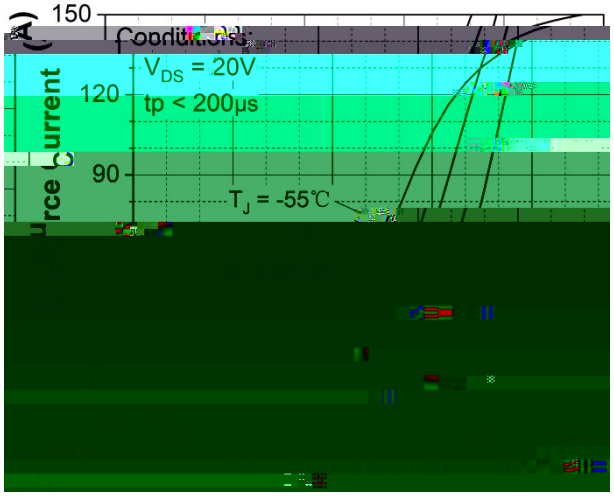

150
Conditions:

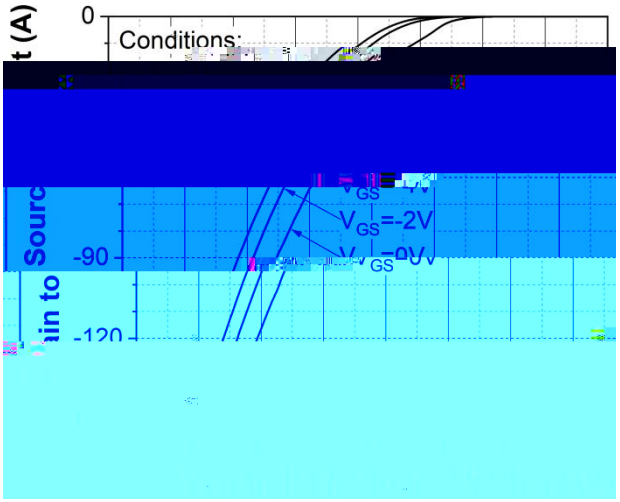

150
Conditions:
V_{GS} = 18V

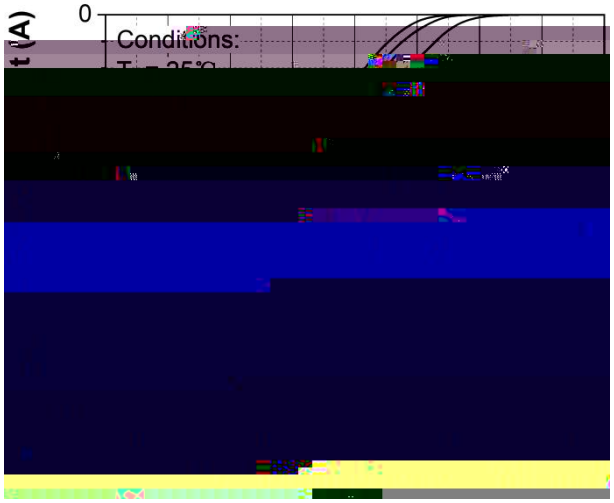

2.5
Conditions:
I_D = 32A
tp < 200μs
2.0
1.5
V_{GS} = 18V

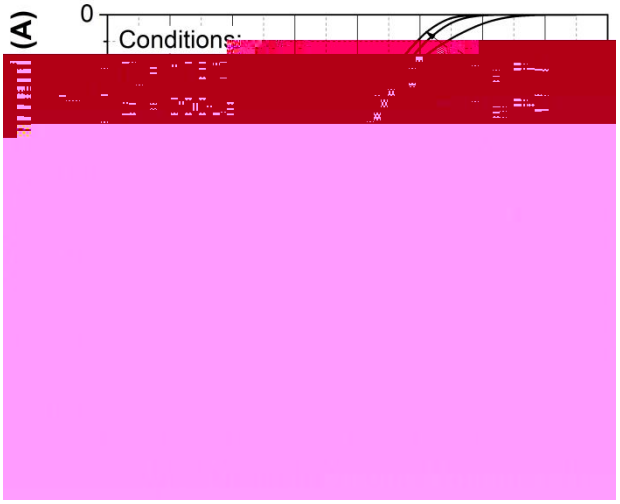

Conditions:
V_{GS} = 18V
tp < 200μs
90
60
30
0
T_J = 175℃
T_J = -55℃
T_J = 25℃
$R_{DS(on)}$, On Re
0
20
40
60
80
Source Current (A)

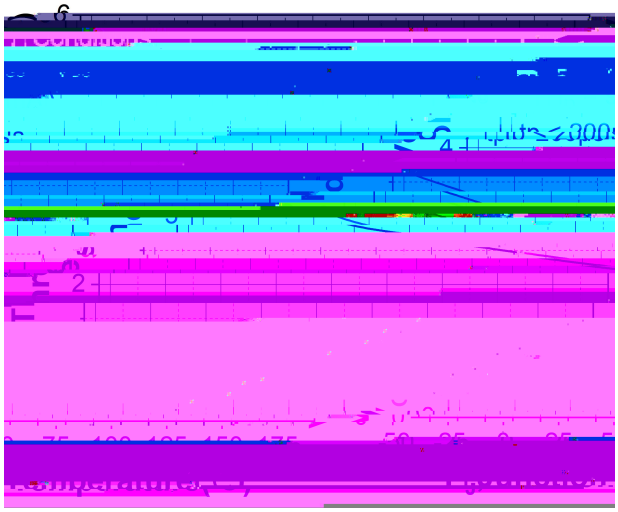

80
Conditions:

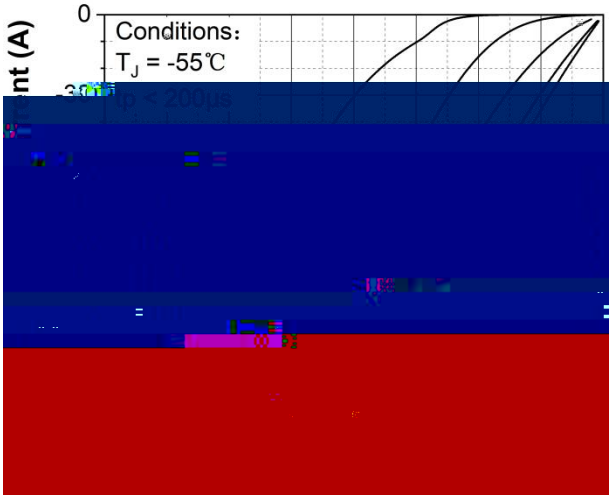

150
Conditions:
V_{DS} = 20V
tp < 200μs
120
90
T_J = -55℃

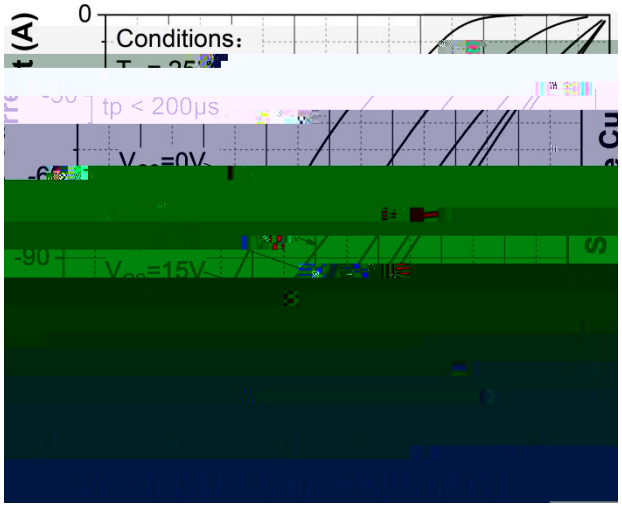

0
Conditions:
V_{GS}
V_{GS}=-2V
V_{GS}
-90
-120

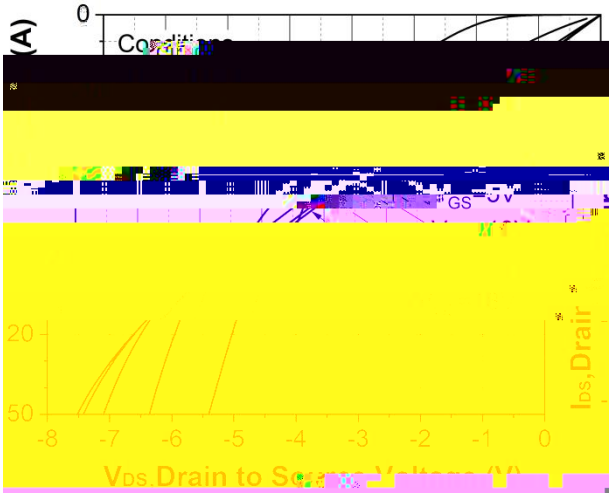

0
Conditions:

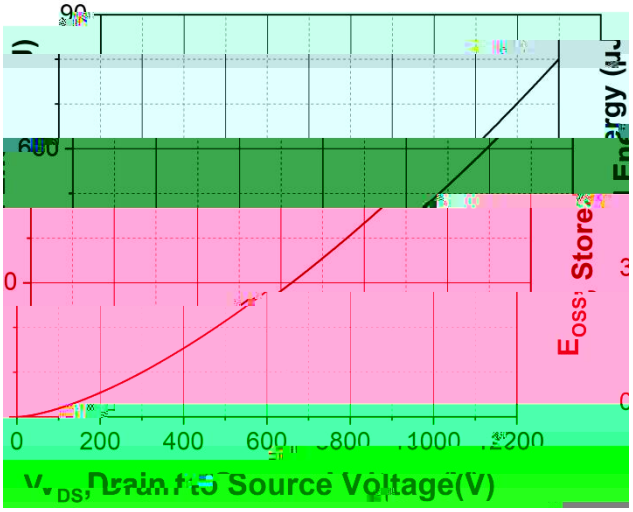

0
Conditions:

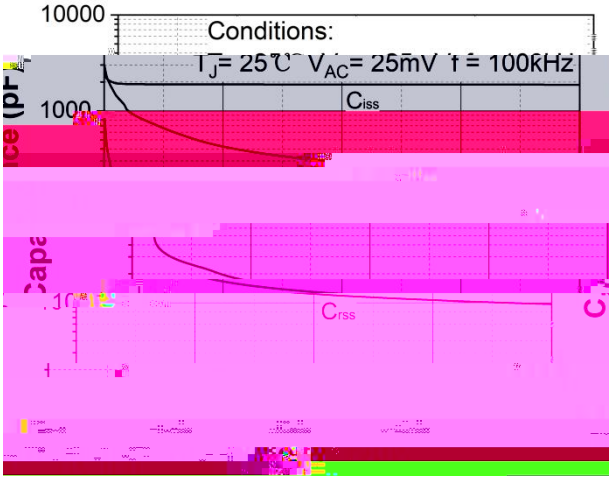


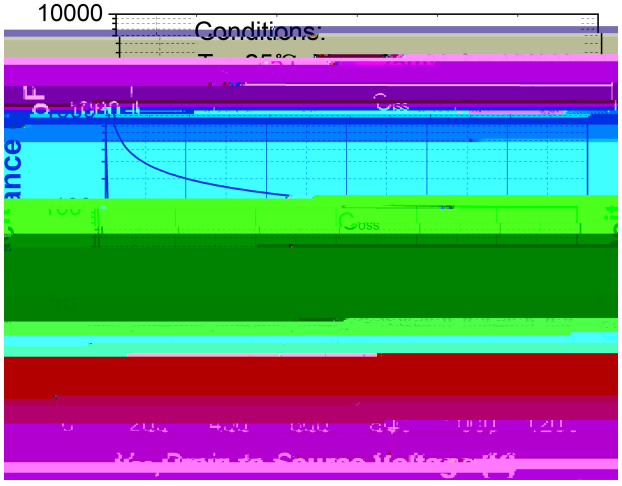

Conditions:
T_J = -55℃
tp < 200μs

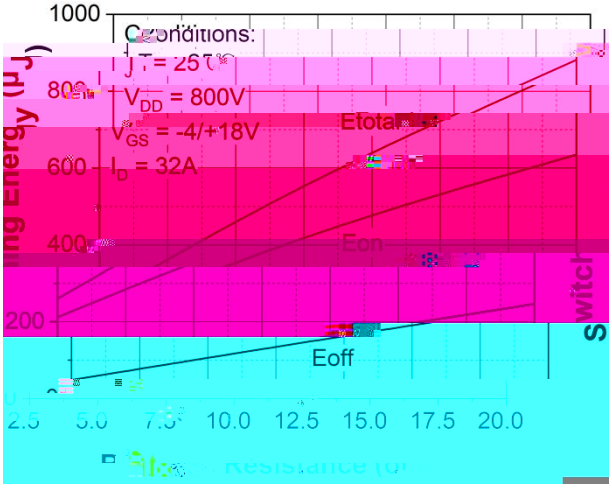

Conditions:
tp < 200μs

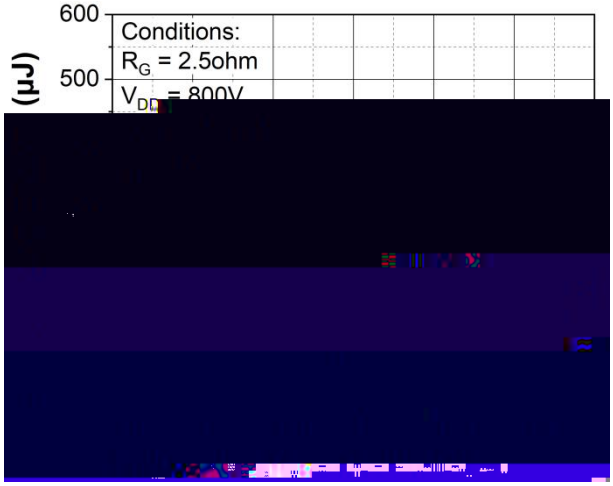

20
50
-8
-7
-6
-5
-4
-3
-2
-1
0

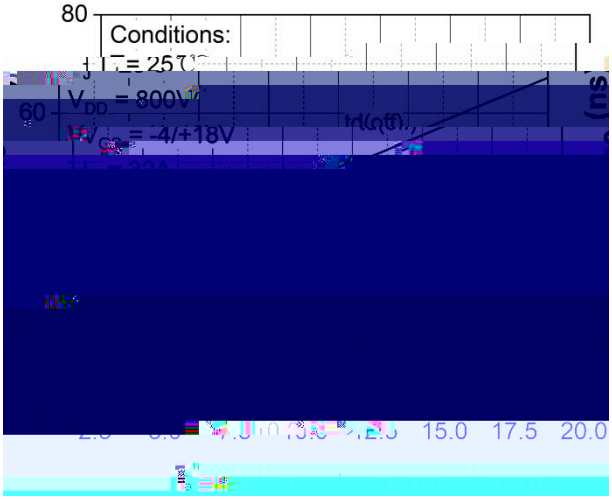

600
0
0
200
400
600
800
1000
1200
V_{DS}, Drain to Source Voltage(V)

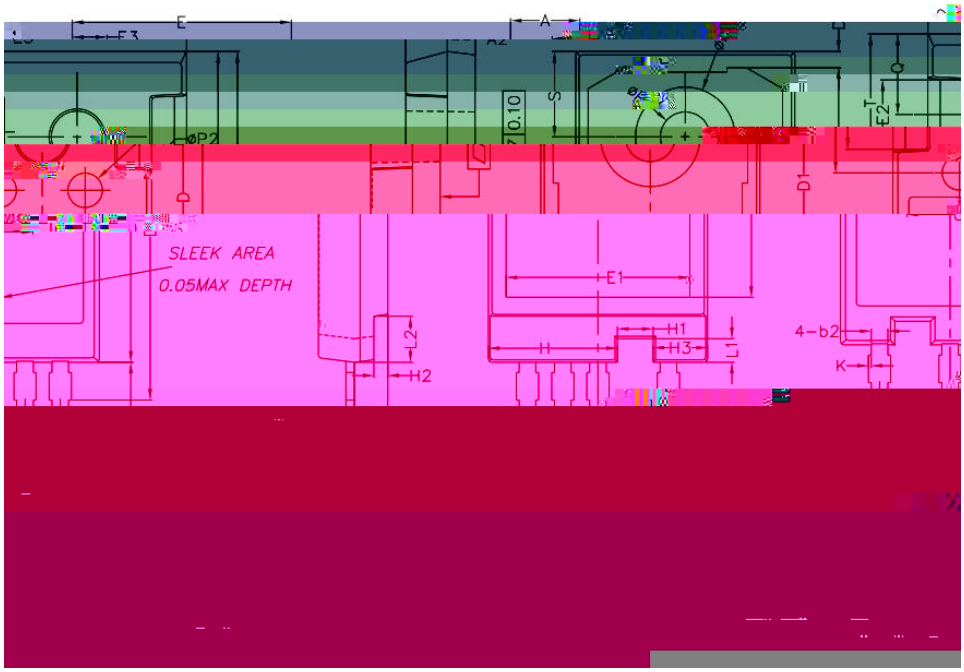

10000
Conditions:
T_J= 25℃ V_{AC}= 25mV f = 100kHz
1000
Ciss
Crss


10000
Conditions:
Ciss
Coss


1000
Conditions:
T_J = 25°C
V_{DD} = 800V
V_{GS} = -4/+18V
I_D = 32A
800
600
400
200
Etotal
Eon
Eoff
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0

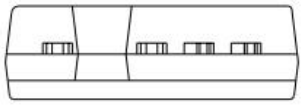

600
500
Conditions:
R_G = 2.5ohm
V_{DD} = 800V

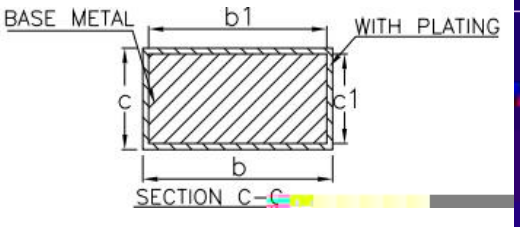

80
Conditions:
T_J = 25°C
V_{DD} = 800V
60
V_{GS} = -4/+18V
15.0
17.5
20.0

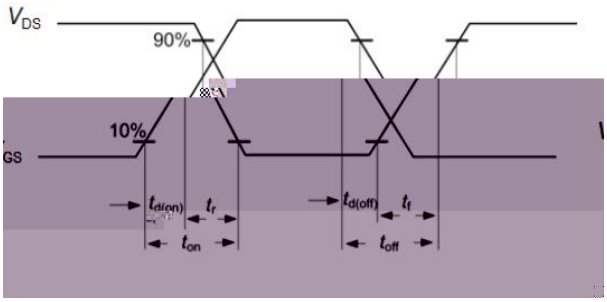


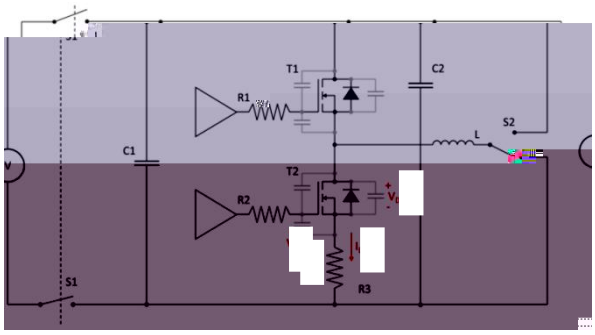
COMMON DIMENSIONS
(UNITS OF MEASURE=MILLIMETER)

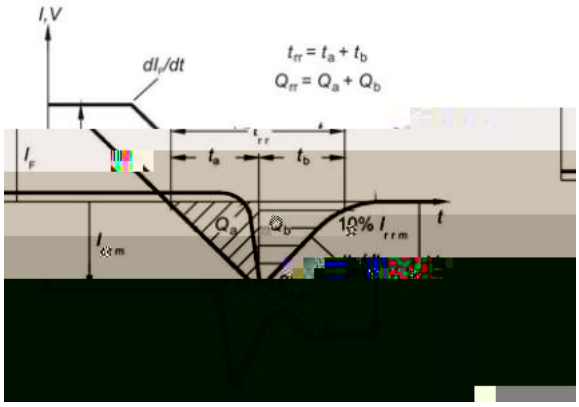
SYMBOL	MIN		MAX
A	4.90	5.00	5.10
A1	2.35	2.4	2.51
A2	1.90	2.00	2.10
b	1.16		1.29
b1	1.15	1.20	1.25
b2	1.16	-	1.29
c	0.59		0.66
c1	0.58	0.60	0.62
D	22.30	22.40	22.50
D1	16.25	16.55	16.85
D2	1.05	1.20	1.35
D3	24.97	25.12	25.27
E	15.70	15.80	15.90
E1	13.10	13.30	13.50
E2	4.90	5.00	5.10
E3	2.40	2.50	2.60
e	4.98	5.08	5.18
e1	2.44	2.54	2.64
H	9.20	9.30	






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


T1
C2
R1
S2
L
C1
T2
R2
S1
R3


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