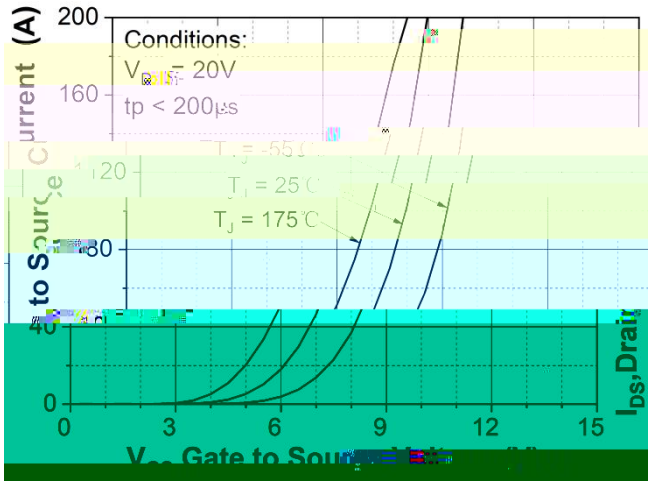
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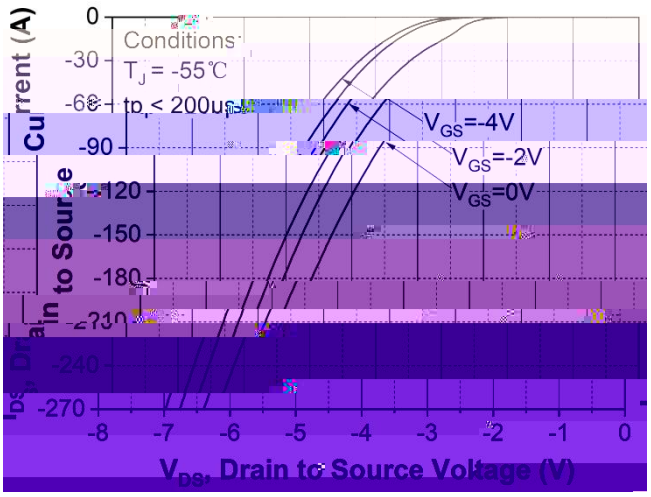
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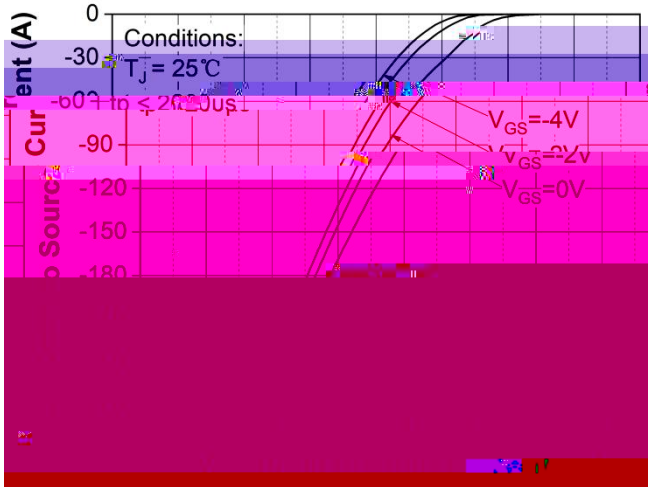

F
Cl
Halogen-Free
Br
I

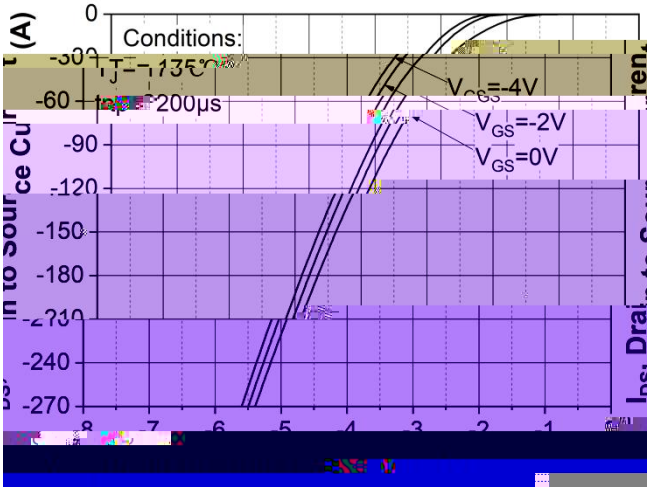
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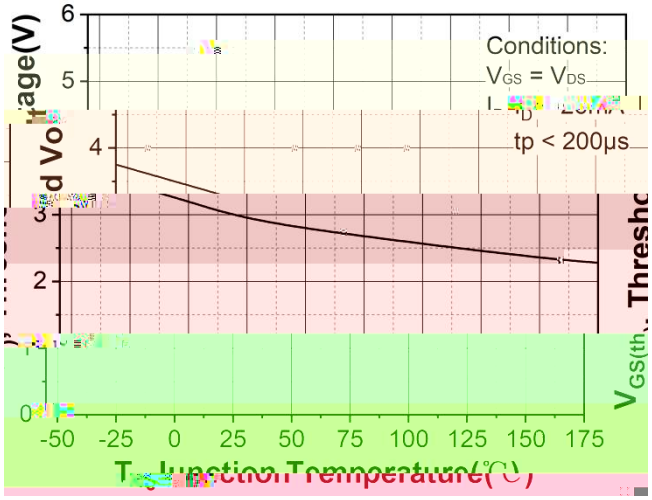
LWWURGXFWLRQ

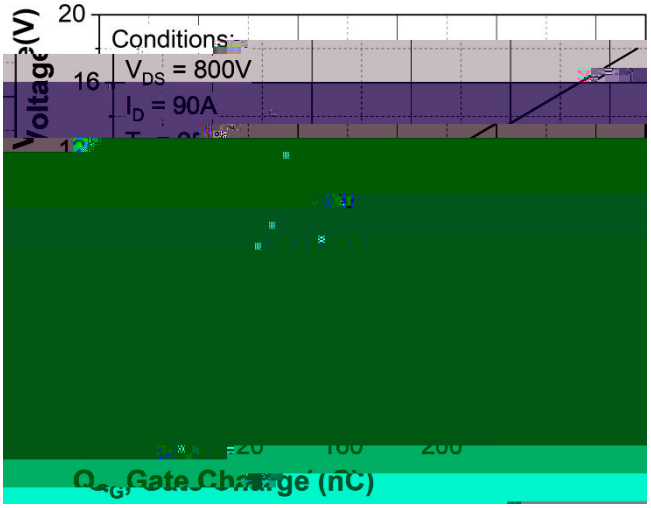

Conditions:
V_{DS} = 20V
tp < 200μs
T_J = -55℃
T_J = 25℃
T_J = 175℃
I_{DS},Drain to Source Current (A)
V_{GS}, Gate to Source Voltage (V)

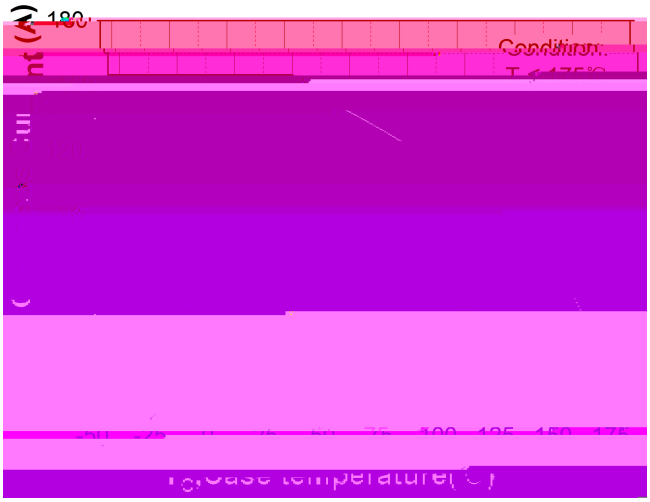

Conditions:
T_J = -55℃
tp < 200μs
V_{GS}=-4V
V_{GS}=-2V
V_{GS}=0V
I_{DS},Drain to Source Current (A)
V_{DS}, Drain to Source Voltage (V)

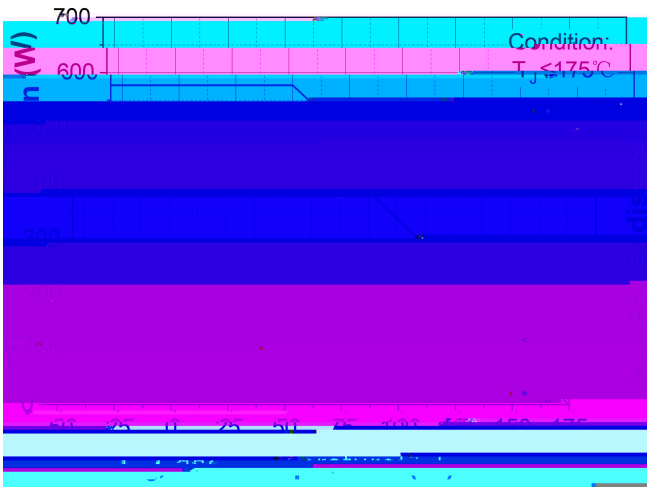

Conditions:
T_J = 25℃
tp < 200μs
V_{GS}=-4V
V_{GS}=-2V
V_{GS}=0V

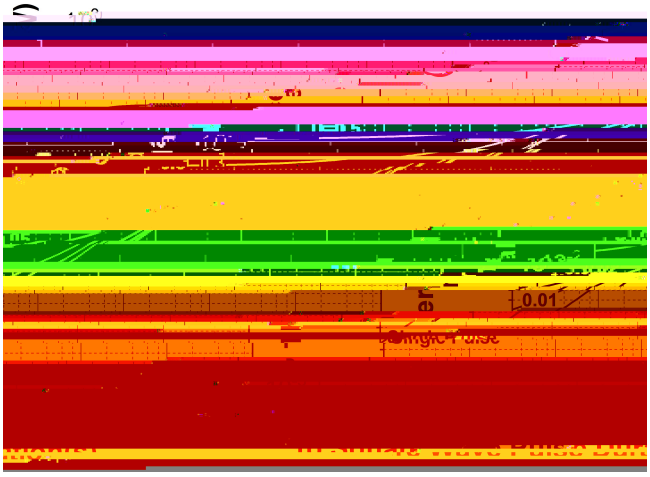

Conditions:
T_J = 175℃
tp < 200μs
V_{GS}=-4V
V_{GS}=-2V
V_{GS}=0V

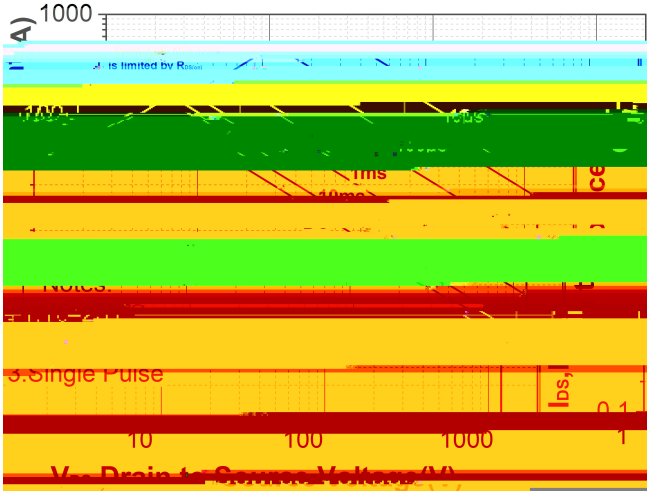

Conditions:
V_{GS} = V_{DS}
tp < 200μs
$V_{GS(th)}$, Threshold Voltage(V)
T_J, Junction Temperature(℃)

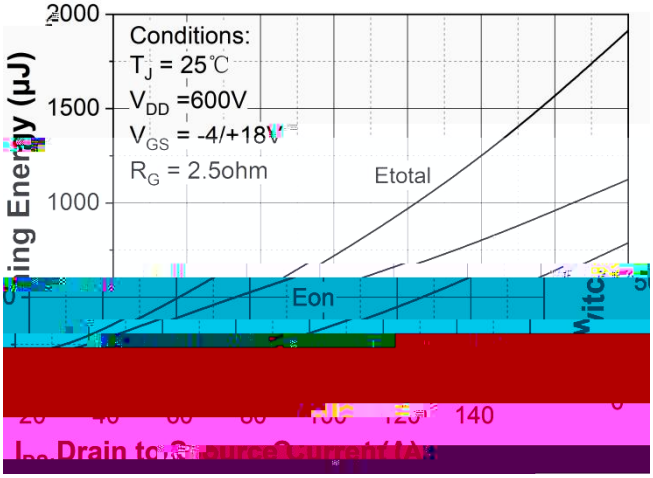

Conditions:
V_{DS} = 800V
I_D = 90A
V_{GS}, Gate to Source Voltage (V)
Q_G, Gate Charge (nC)

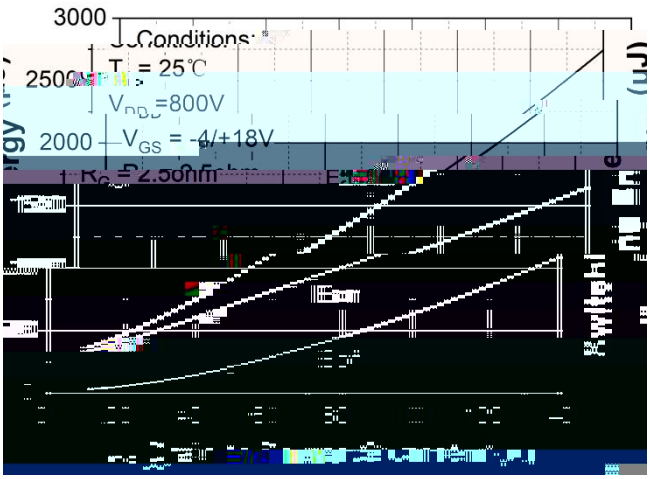


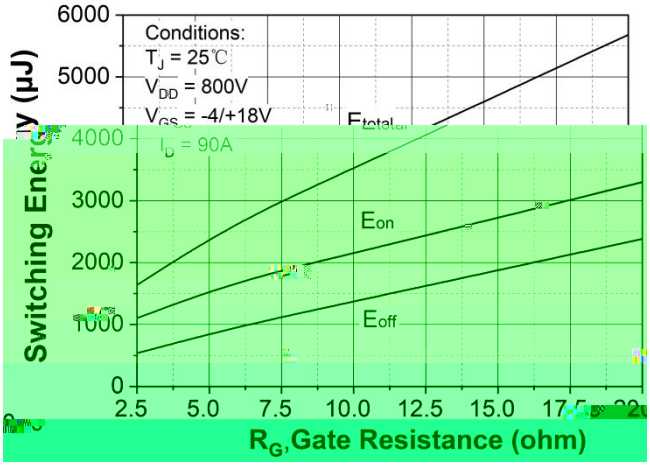

700
600
Condition:
T_J ≤175℃



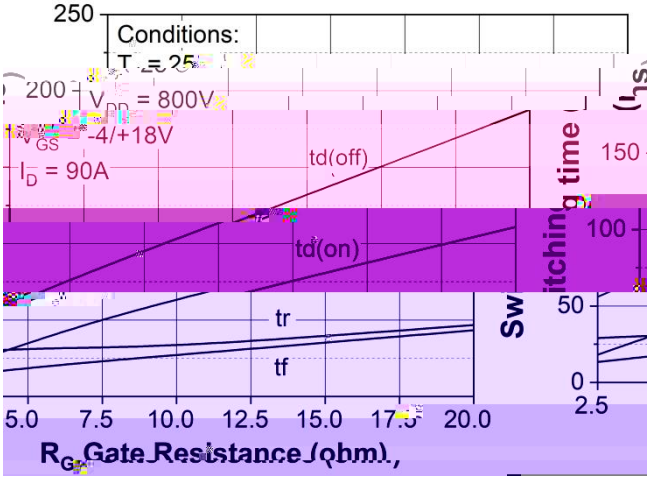

1000
1ms
10ms
3.Single Pulse
10
100
1000
1

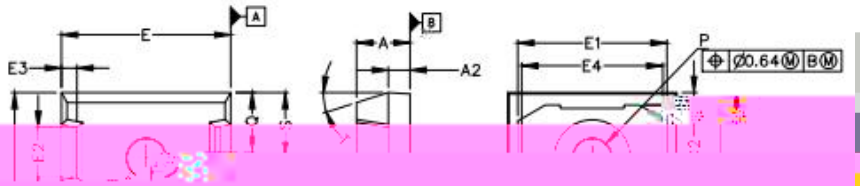

2000
1500
1000
Conditions:
T_J = 25℃
V_{DD} =600V
V_{GS} = -4/+18V
R_G = 2.5ohm
Etotal
Eon
140


3000
2500
2000
Conditions:
T_J = 25℃
V_{DD}=800V
V_{GS} = -4/+18V


Conditions:
T_J = 25℃
V_{DD} = 800V
V_{GS} = -4/+18V
I_D = 90A
E_{total}
E_{on}
E_{off}
Switching Energy (μJ)
6000
5000
4000
3000
2000
1000
0
2.5
5.0
7.5
10.0
12.5
15.0
R_G,Gate Resistance (ohm)


3000


250
Conditions:
200
V_{DD} = 800V
V_{GS} -4/+18V
I_D = 90A
td(off)
td(on)
tr
tf
150
100
50
0
2.5
5.0
7.5
10.0
12.5
15.0
20.0
R_G,Gate Resistance (ohm),



NOTE ;

1. ALL METAL SURFACES: TIN PLATED,EXCEPT AREA OF CUT.
2. DIMENSIONING & TOLERANCEING CONFIRM TO ASME Y14.5M-1994.
3. ALL DIMENSIONS ARE IN MILLIMETERS ANGLES ARE IN DEGREES

SYM	MILLIMETERS MIN	MAX
A	4.83	5.21
A1	2.29	2.54
A2	1.90	2.16
b	1.10	1.30
b1	0.65	0.80
b2	1.10	1.25
b3	1.34	1.44
b4	0.65	0.80
c	0.55	0.68
c1	0.55	0.65
D	20.80	21.10
D1	16.15	17.65
D2	0.95	1.35
E	15.70	16.13
E1	13.10	14.15
E2	4.32	5.10
E3	1.00	2.60
E4	12.38	13.50
e1	5.08 BSC	
e2	2.79 BSC	
e3	2.54 BSC	
L	19.72	20.32
L1	3.97	4.37
ø P	3.51	3.70
Q	5.49	6.00
S	6.04	6.30

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