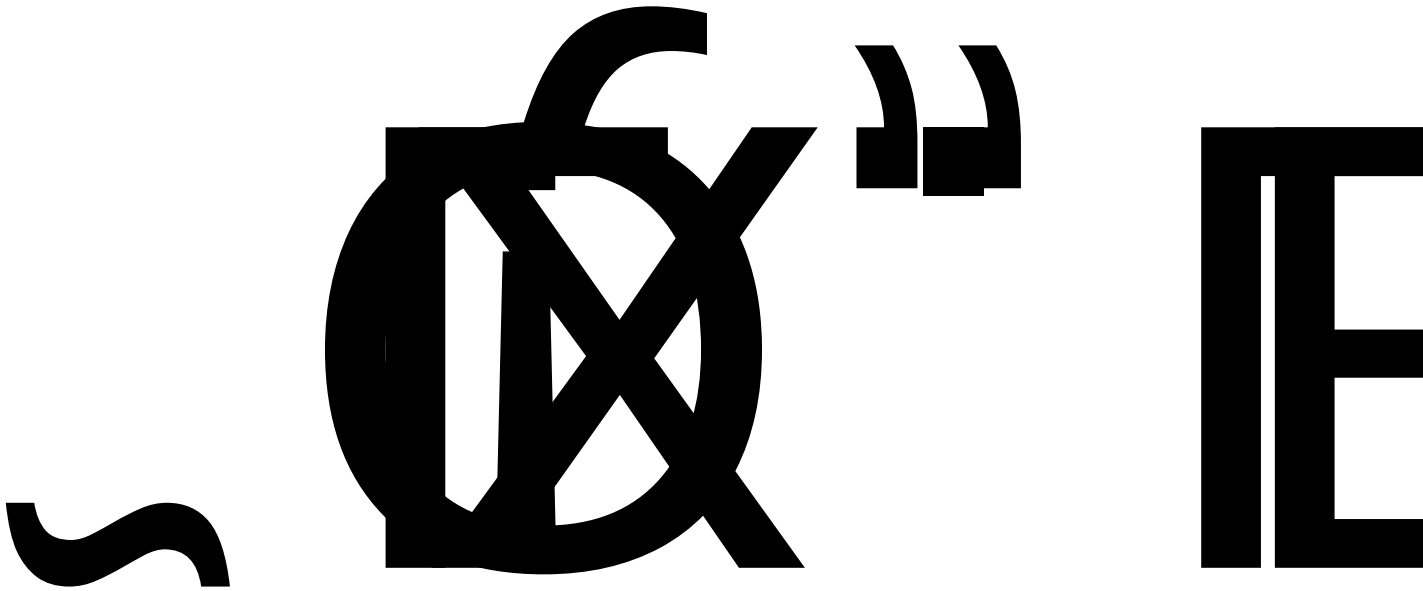


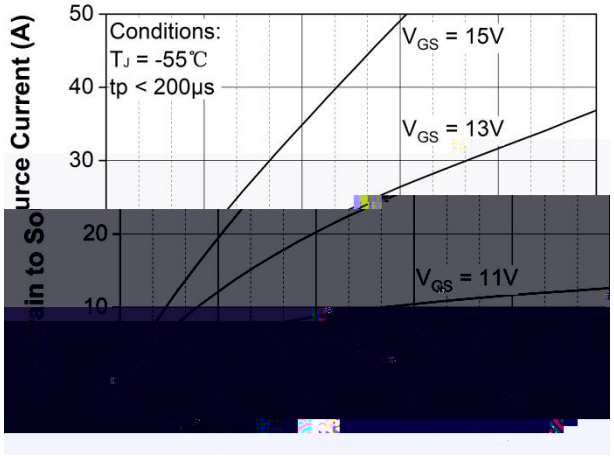
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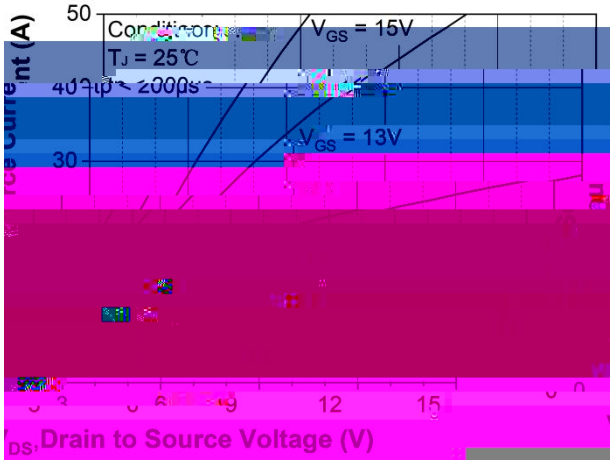
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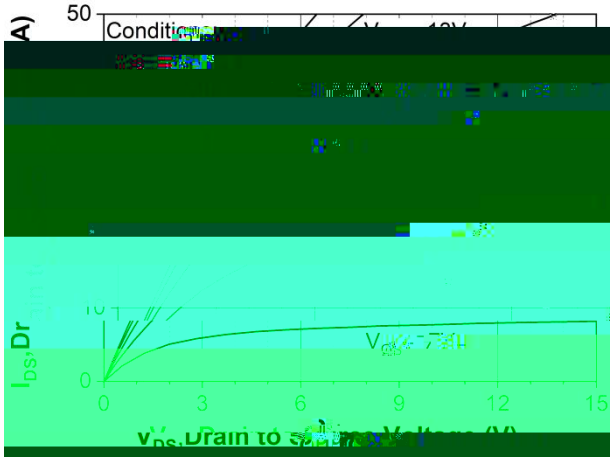
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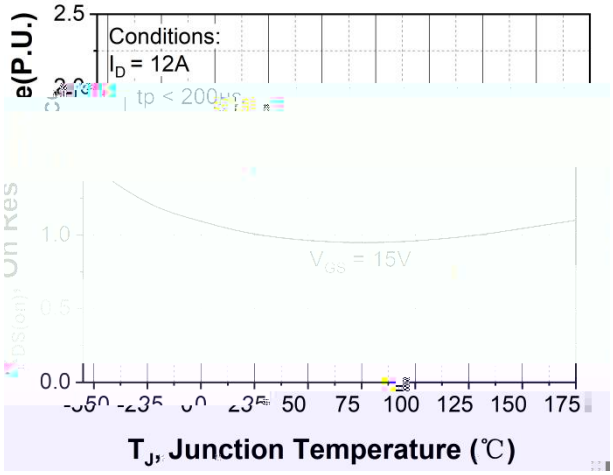

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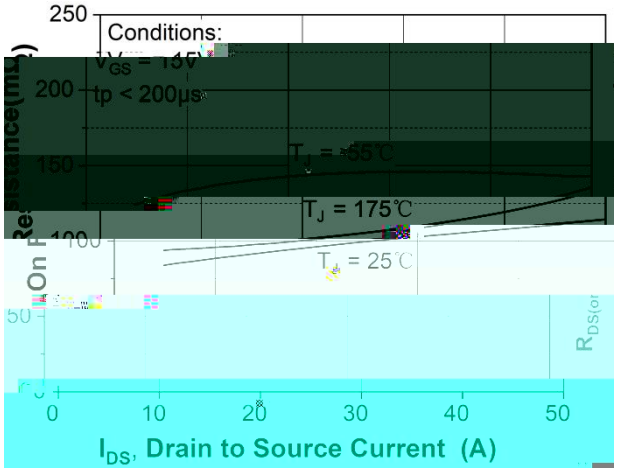


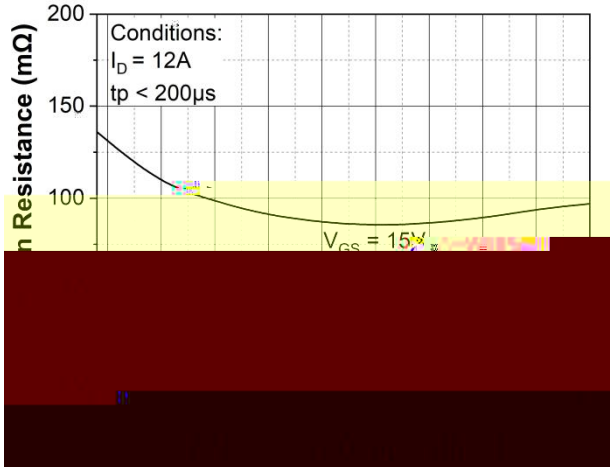

Conditions:
T_J = -55℃
tp < 200μs
V_{GS} = 15V
V_{GS} = 13V
V_{GS} = 11V
50
40
30
20
10

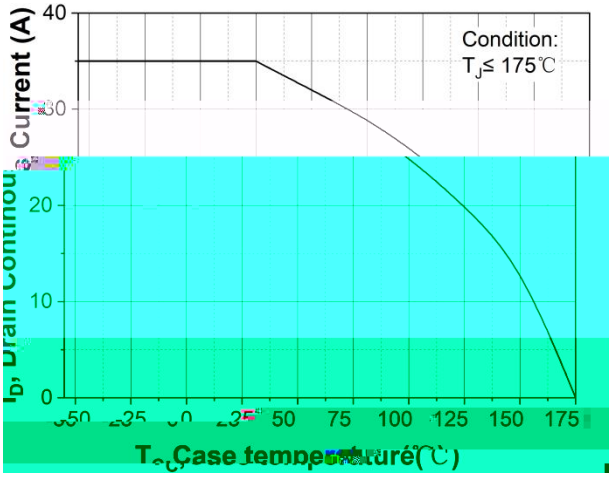

Conditions:
T_J = 25℃
tp < 200μs
V_{GS} = 15V
V_{GS} = 13V
50
40
30
12
15
Drain to Source Voltage (V)

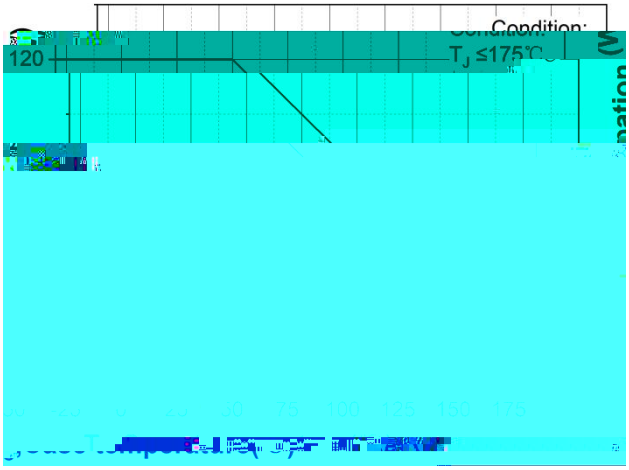

50
0
3
6
9
12
15

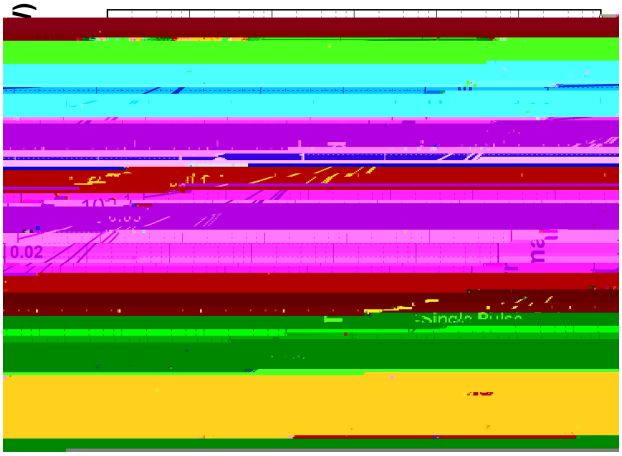

Conditions:
I_D = 12A
tp < 200μs
V_{GS} = 15V
2.5
1.0
0.0
50
75
100
125
150
175
T_J, Junction Temperature (℃)

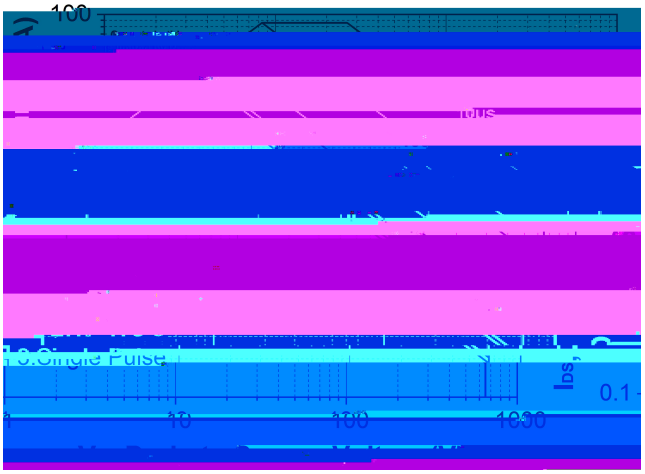

Conditions:
tp < 200μs
T_J = 175℃
T_J = 25℃
250
200
150
100
50
0
10
20
30
40
50
I_{DS}, Drain to Source Current (A)

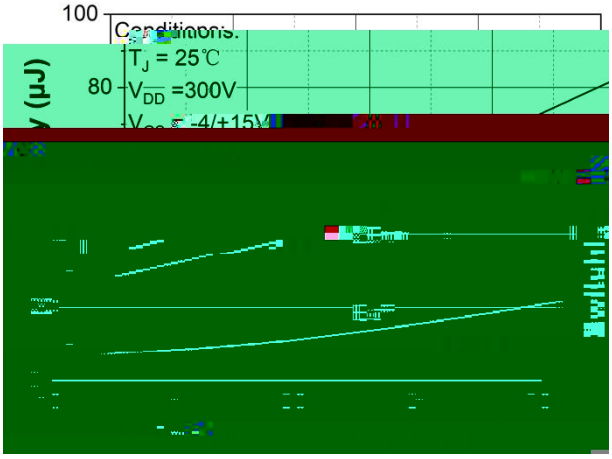

Conditions:
I_D = 12A
tp < 200μs
V_{GS} = 15V
200
150
100

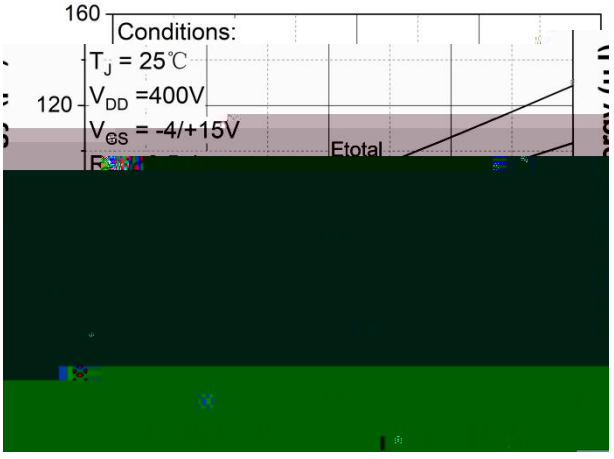

Condition:
$T_J \leq 175℃$
Current (A)
40
30
20
10
0
50
75
100
125
150
175
Case temperature(℃)

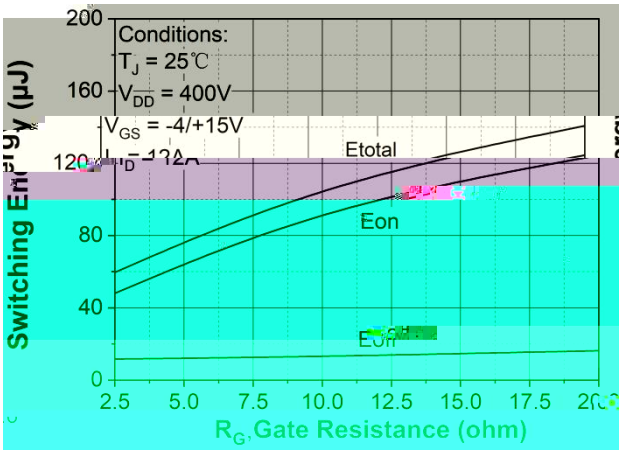

120

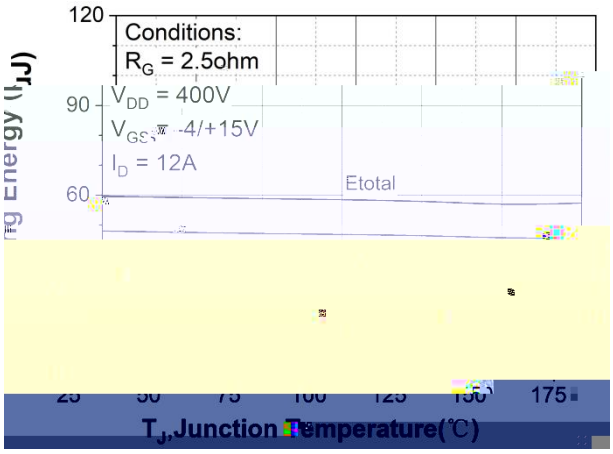

0.02

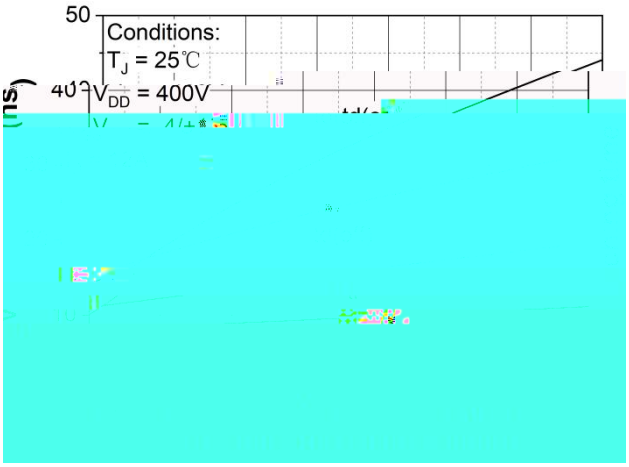

100
0.1
10
100

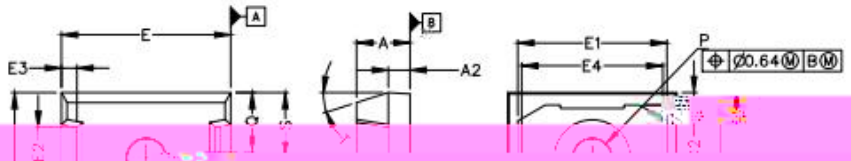

100
Conditions:
T_J = 25℃
80
V_{DD} =300V
V_{GS} = -4/+15V


160
Conditions:
T_J = 25℃
120
V_{DD} =400V
V_{GS} = -4/+15V
Etotal


Conditions:
T_J = 25℃
V_{DD} = 400V
V_{GS} = -4/+15V
I_D = 12A
Etotal
Eon
Eoff
Switching Energy (μJ)
R_G,Gate Resistance (ohm)


Conditions:
R_G = 2.5ohm
V_{DD} = 400V
V_{GS} = -4/+15V
I_D = 12A
Etotal
T_J,Junction Temperature(℃)


Conditions:
T_J = 25℃
V_{DD} = 400V



NOTE ;

1. ALL METAL SURFACES: TIN PLATED,EXCEPT AREA OF CUT
2. DIMENSIONING & TOLERANCING PER 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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