TO-262 N MOS N-CHANNEL MOSFET in a TO-262 Plastic Package.

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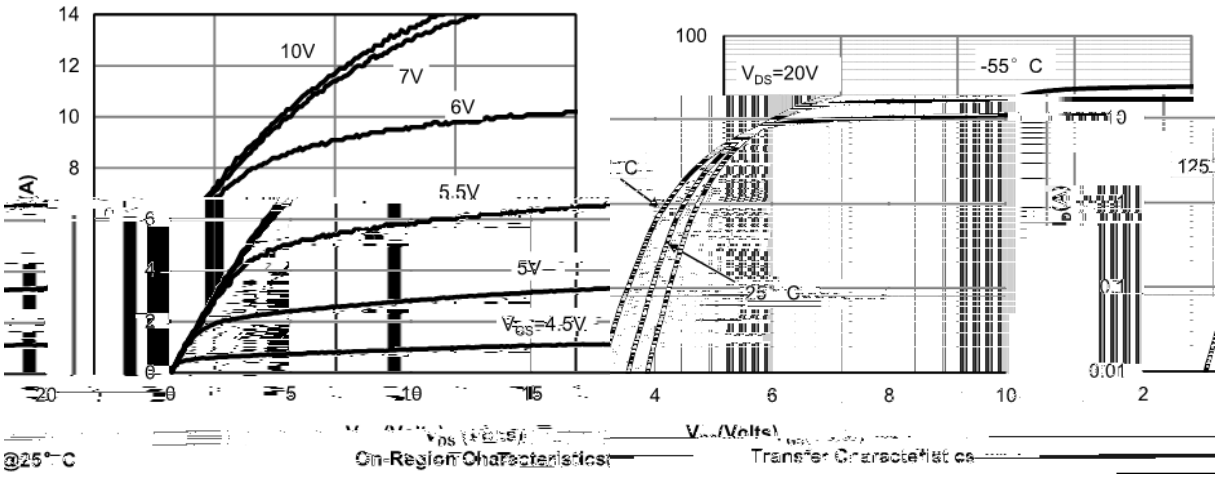
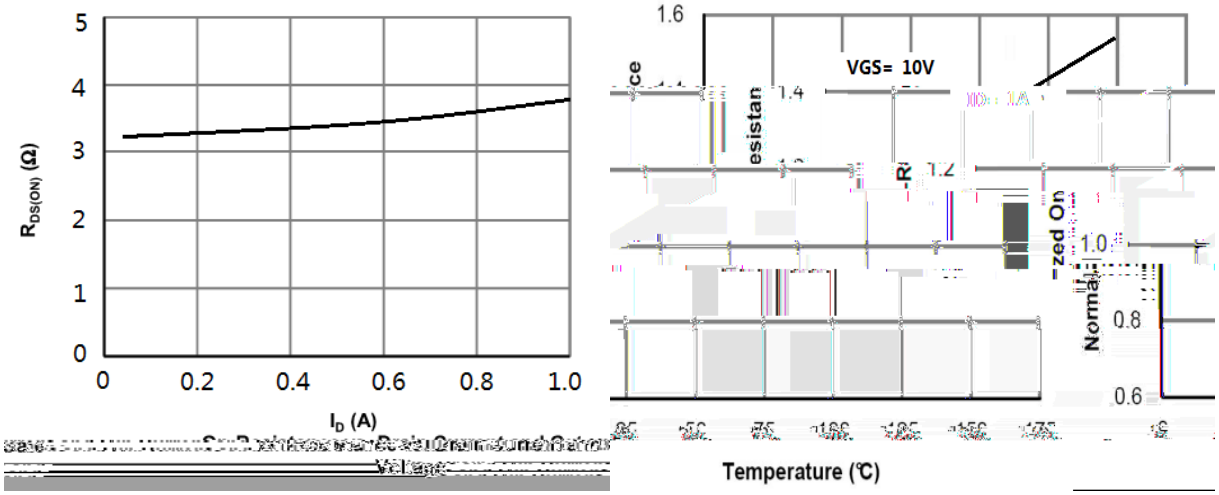
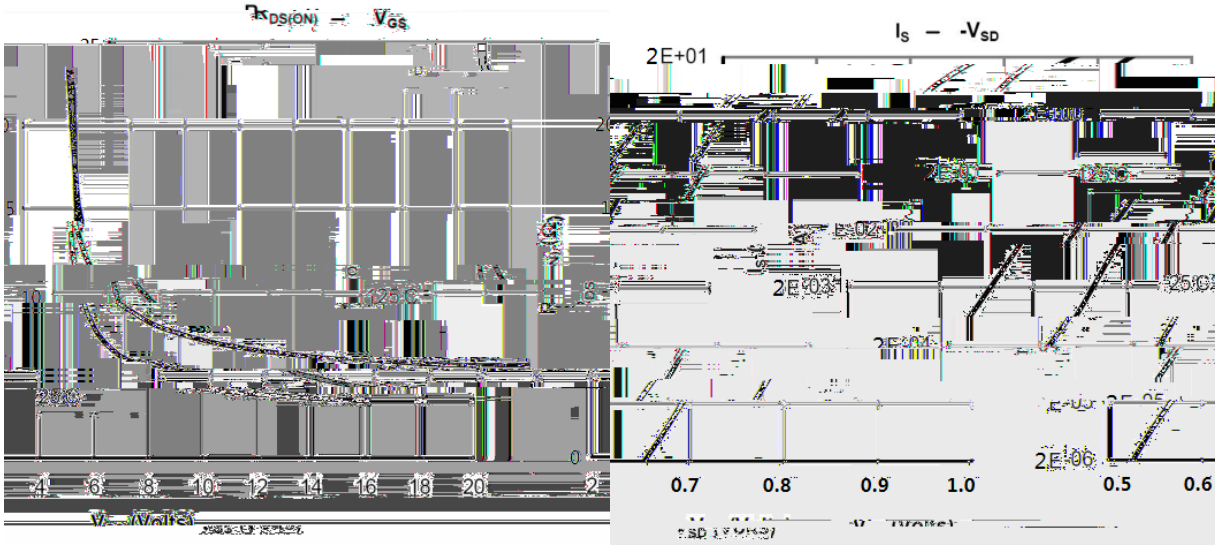
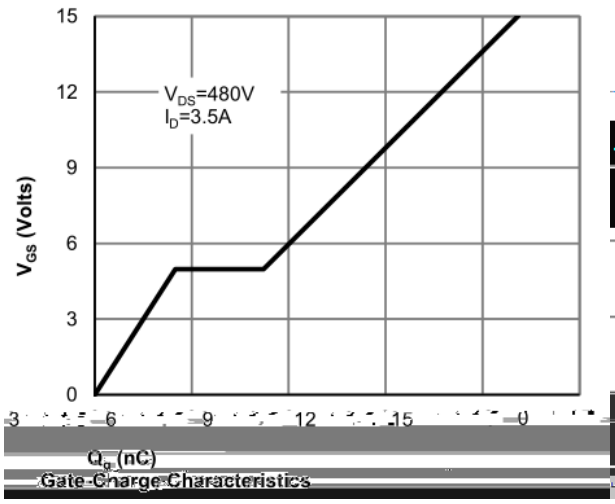
Rev.A Sep.-2018

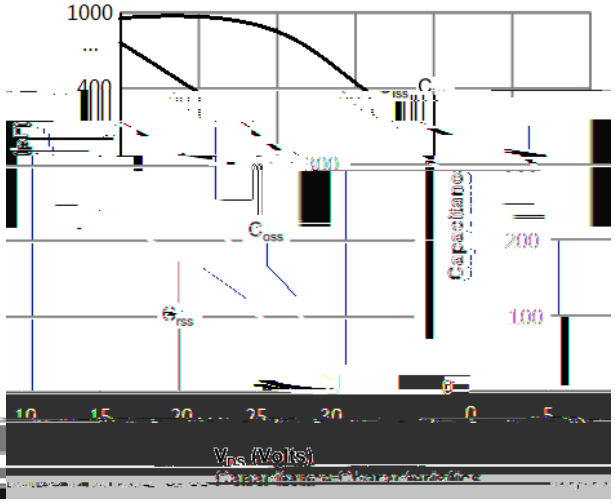

10V
7V
6V
5.5V
5V
V_{GS}=4.5V
V_{DS}=20V
-55° C
25° C
On-Region Characteristics
Transfer Characteristics


$R_{DS(ON)}$ (Ω)
I_D (A)
VGS= 10V
Temperature (℃)

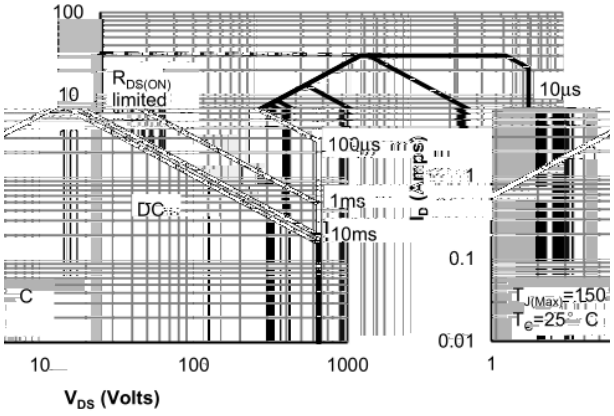

$R_{DS(ON)}$ – V_{GS}
I_S – $-V_{SD}$



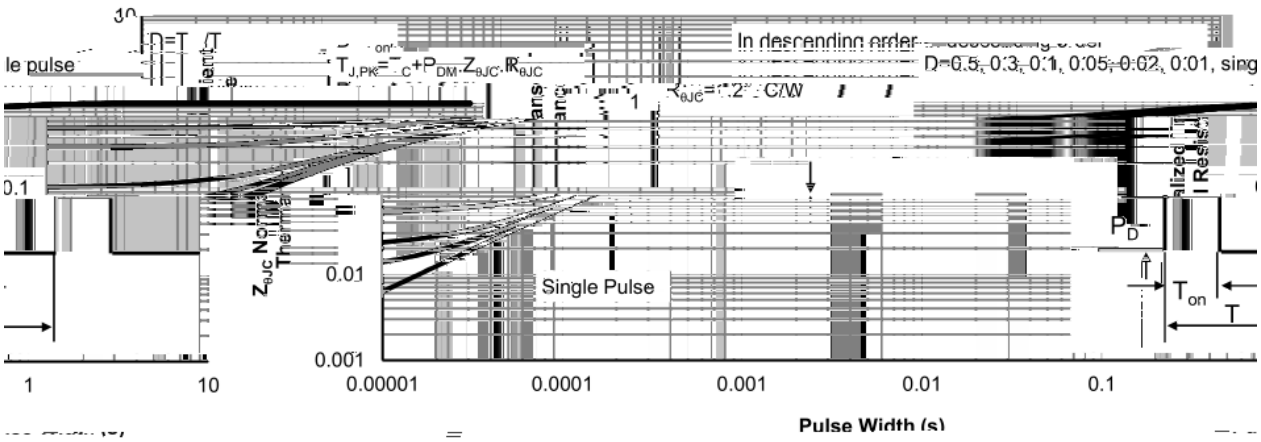
15
12
9
6
3
0
V_{DS}=480V
I_D=3.5A
V_{GS} (Volts)
3
6
9
12
15
0
Q_g (nC)
Gate-Charge Characteristics



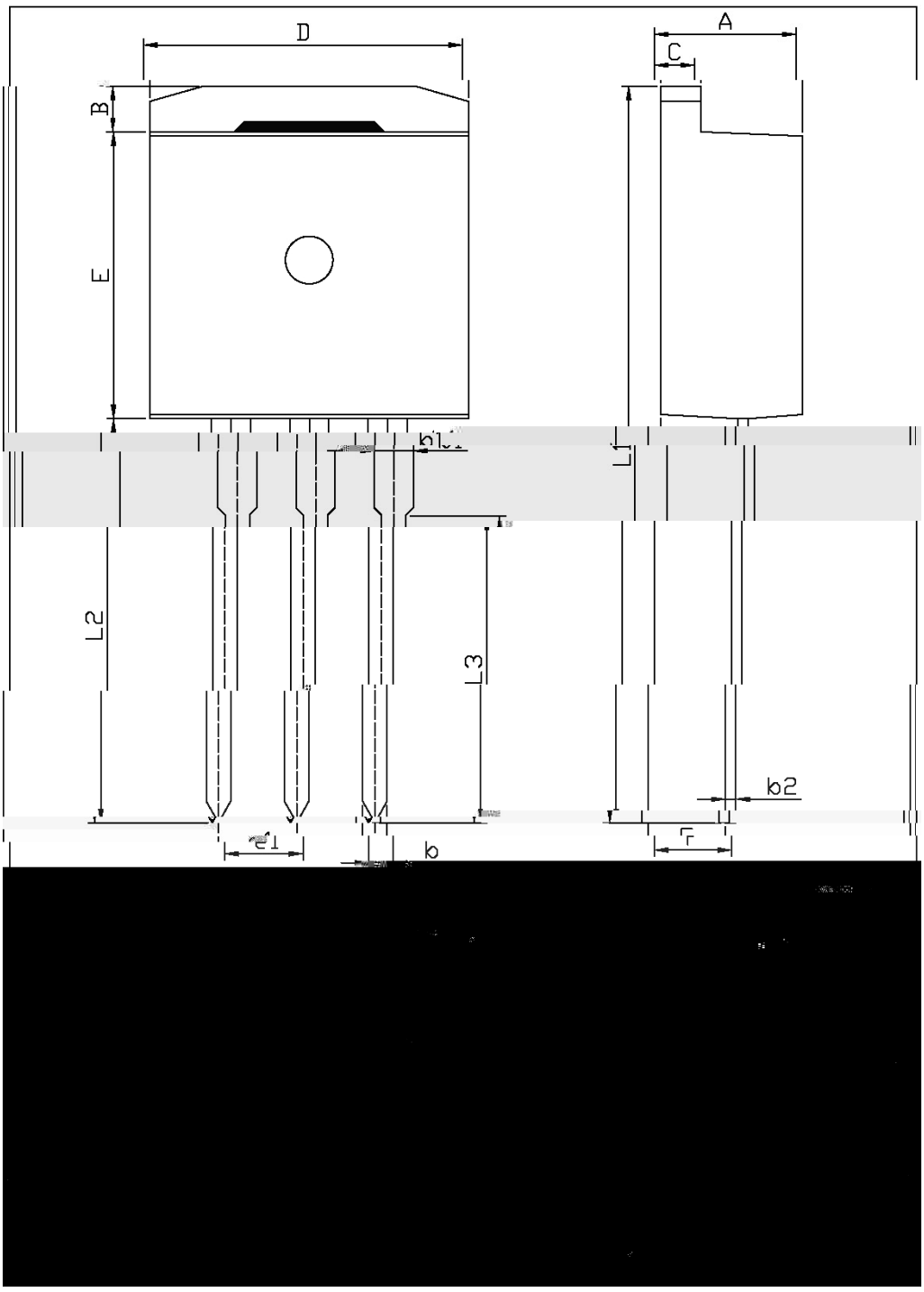
1000
400
C_{oss}
C_{rss}
Capacitance
200
100
10
15
20
25
30
0
5
V_{DS} (Volts)

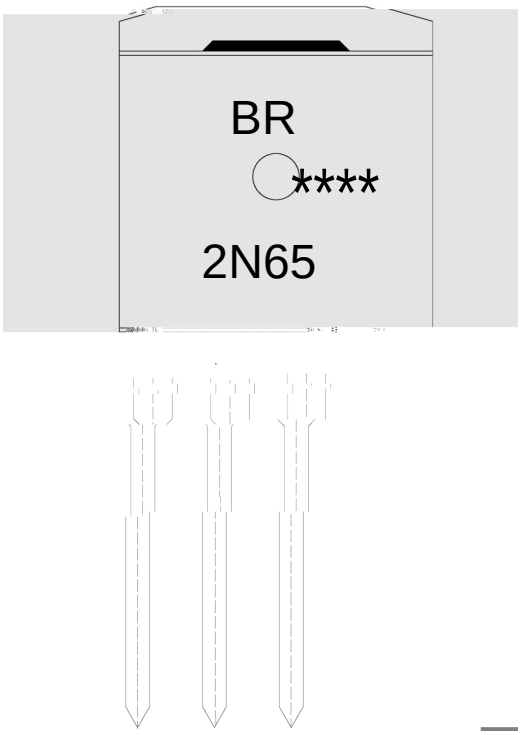


100
10
$R_{DS(ON)}$ limited
10µs
100µs
1ms
10ms
DC
I_D (Amps)
1
0.1
0.01
$T_{J(Max)}$=150
T_C=25° C
10
100
1000
1
V_{DS} (Volts)



In descending order
D=0.5, 0.3, 0.1, 0.05, 0.02, 0.01, sing
$R_{\theta JC}$=1.2° C/W
0.1
0.01
0.001
Single Pulse
P_D
T_{on}
T
1
10
0.00001
0.0001
0.001
0.01
0.1
Pulse Width (s)


D
A
C
B
E
L1
L2
L3
b2
e1
b



BR

2N65

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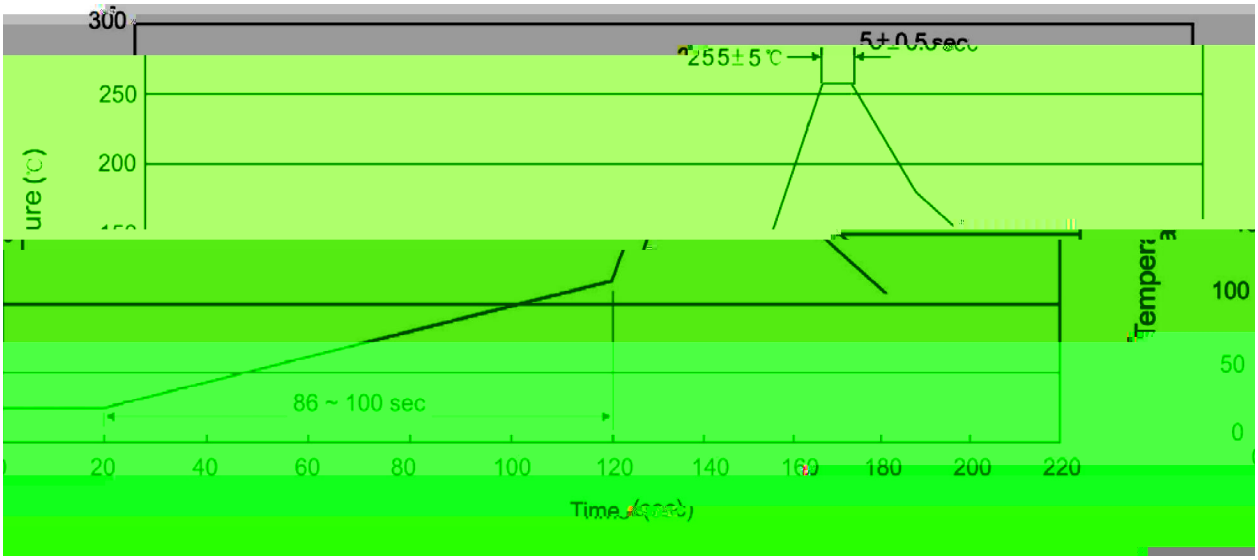
Note:

BR:	Company Code
2N65:	Product Type.
****:	Lot No. Code, code change with Lot No.



		Note:	
1	25 150 60 90sec;	1.Preheating:25~150 , Time:60~90sec.	
2	255±5 5±0.5sec;	2.Peak Temp.:255±5 , Duration:5±0.5sec.	
3	2 10 /sec.	3. Cooling Speed: 2~10 /sec.	

270±5	10±1 sec.	Temp.:270±5	Time:10±1 sec

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm^3)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-262	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180