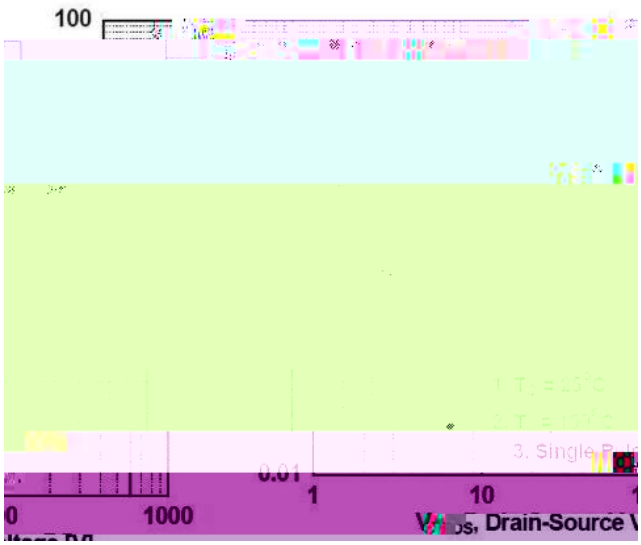
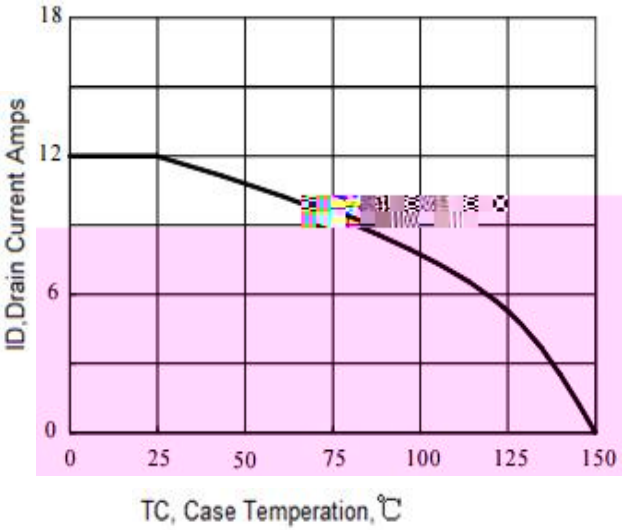
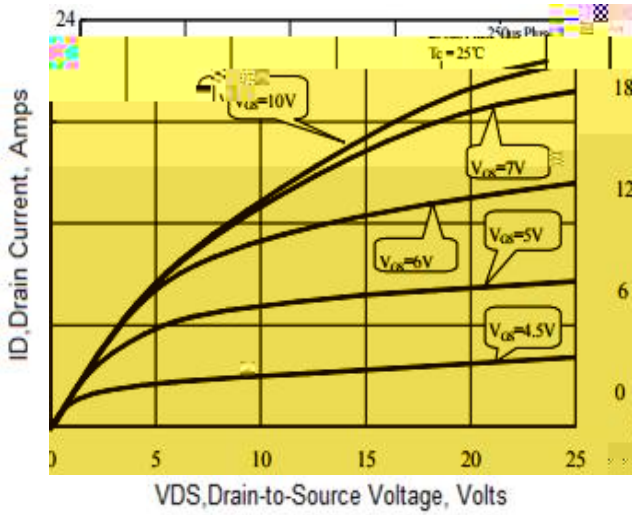
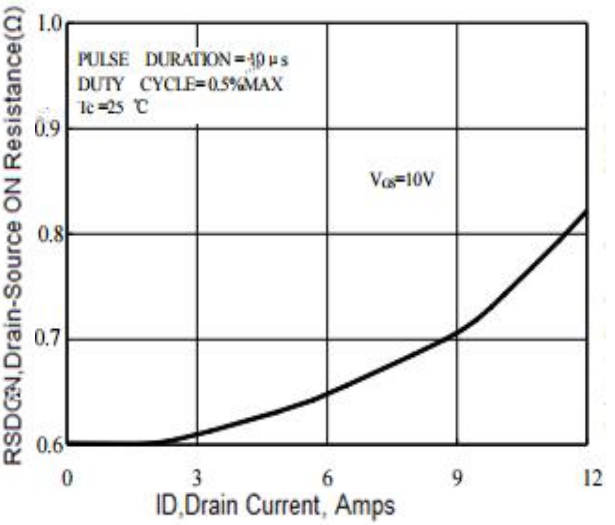
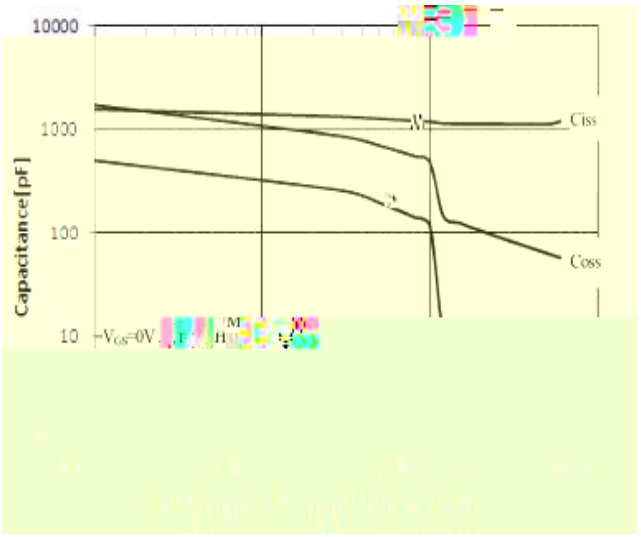
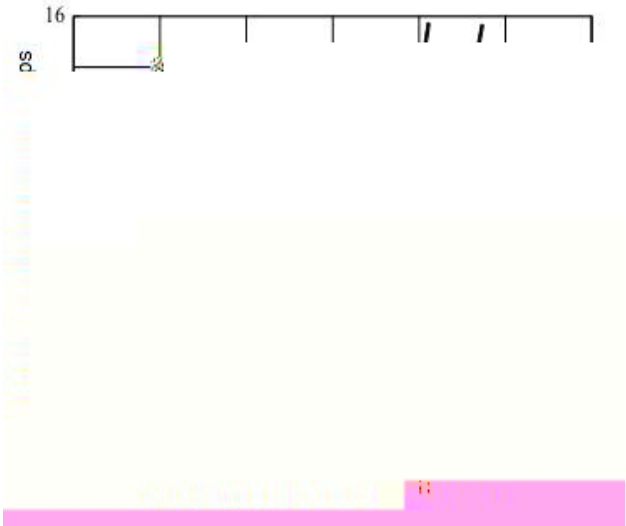

100
1000
0.01
1
10

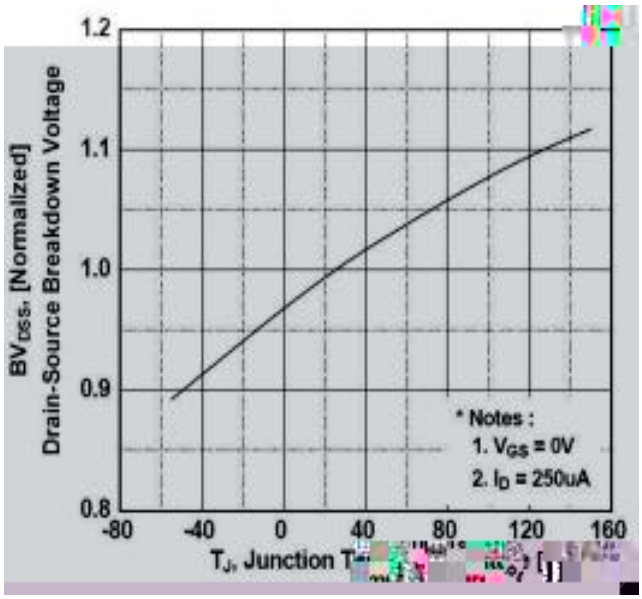

18
12
6
0
0
25
50
75
100
125
150
ID,Drain Current Amps
TC, Case Temperation,℃

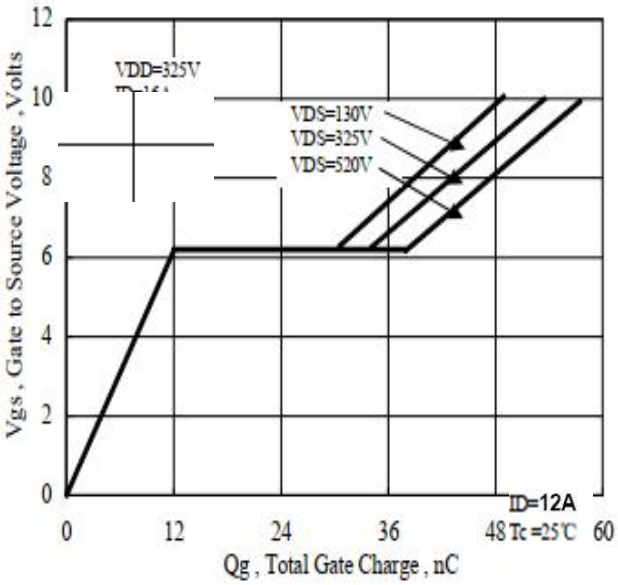

24
18
12
6
0
0
5
10
15
20
25
Tc=25℃
VGS=10V
VGS=7V
VGS=6V
VGS=5V
VGS=4.5V
ID,Drain Current, Amps
VDS,Drain-to-Source Voltage, Volts


1.0
0.9
0.8
0.7
0.6
0
3
6
9
12
PULSE DURATION=30 μs
DUTY CYCLE=0.5%MAX
Tc=25 ℃
VGS=10V
RSD(ON),Drain-Source ON Resistance(Ω)
ID,Drain Current, Amps


10000
1000
100
10
Ciss
Coss
Capacitance[pF]
VGS=0V


16


1.2
1.1
1.0
0.9
0.8
BVDSS, [Normalized]
Drain-Source Breakdown Voltage
* Notes :
1. VGS = 0V
2. ID = 250uA
-80
-40
0
40
80
120
160
TJ, Junction T


12
10
8
6
4
2
0
Vgs , Gate to Source Voltage , Volts
VDD=325V
VDS=130V
VDS=325V
VDS=520V
ID=12A
0
12
24
36
48
60
Tc =25℃
Qg , Total Gate Charge , nC

Model name	Package	Unit Weight	Base Quantity	Packing Quantity
	TO-220C	0.07oz(1.96g)	50pcs/tube	1000PCS/Box 5000PCS/Carton

Package Dimensions

Dim	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	4.34	4.67	0.171	0.184
A1	2.52	2.82	0.099	0.111
b	0.71	0.91	0.028	0.036
b1	1.17	1.37	0.046	0.054
c	0.30	0.50	0.012	0.020
c1	1.17	1.37	0.046	0.054
D	9.90	10.20	0.390	0.402
E	8.50	8.90	0.335	0.350
E1	12.00	12.50	0.472	0.492

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