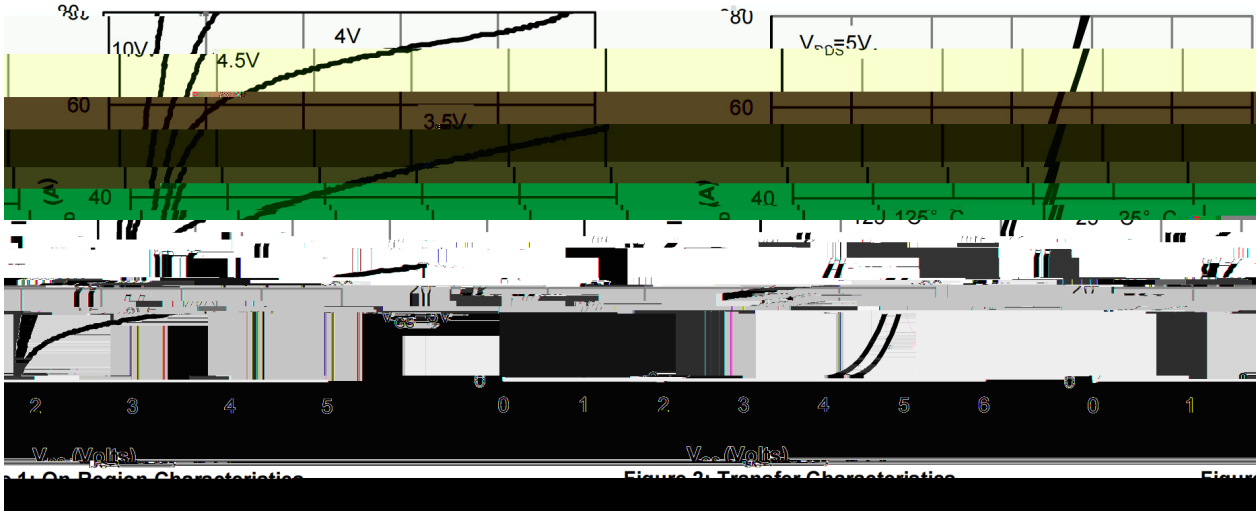
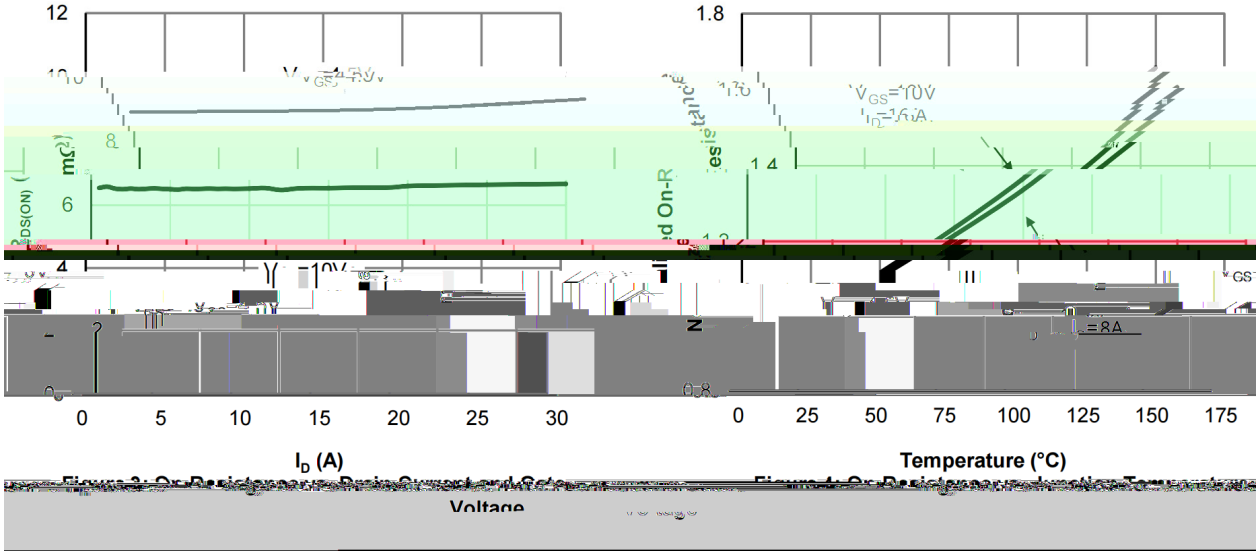
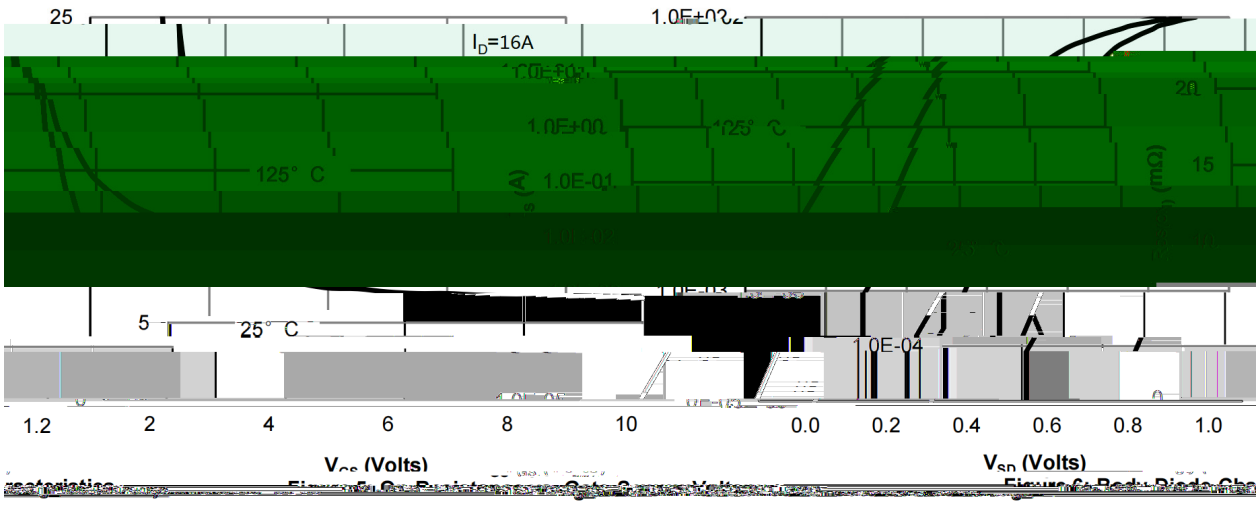
Rev.A Dec.-2023

Parameter		Symbol	Rating	Unit
Drain-Source Voltage		V_{DS}	30	V
Drain Current - Continuous		I_D	30	A
Drain Current – Pulsed		I_{DM}	140	A
Gate-Source Voltage		V_{GS}	± 20	V
Power Dissipation		$P_D(T_c=25\ \ )$	31	W
Single Pulse Avalanche Energy(L=0.1mH)		E_{AS}	50	mJ
Avalanche Current(L=0.1mH)		I_{AS}	22.5	A
Junction and Storage Temperature Range		T_j, T_{stg}	-55 to 150	
Thermal resistance, junction - ambient	t ≤ 10s	$R_{\theta JA}$	21	/ W
	Steady-State		53	


10V
4.5V
4V
3.5V
60
40
2
3
4
5
V_{DS}=5V
0
1
2
3
4
5
6


12
8
6
4
0
5
10
15
20
25
30
I_D (A)
1.8
1.4
0
25
50
75
100
125
150
175
Temperature (°C)


25
I_D=16A
125° C
25° C
5
1.2
2
4
6
8
10
V_{GS} (Volts)
0.0
0.2
0.4
0.6
0.8
1.0
V_{SD} (Volts)

Note:

1	150 200 60 120sec;		1.Preheating:150~200 , Time:60~120sec.
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.

260±5	10±1 sec.	Temp.:260±5	Time:10±1 sec

/ REEL