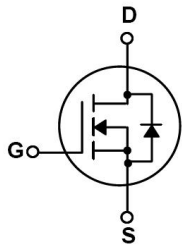


TO-220 N MOS N-CHANNEL MOSFET in a TO-220 Plastic Package.

, 100
Fast Switching, Low ON Resistance, Low Gate Charge, Low Reverse transfer capacitances, 100% Single Pulse avalanche energy Test.

UPS
For UPS, inverters, lightin.



PIN 1 G PIN 2 D PIN 3 S

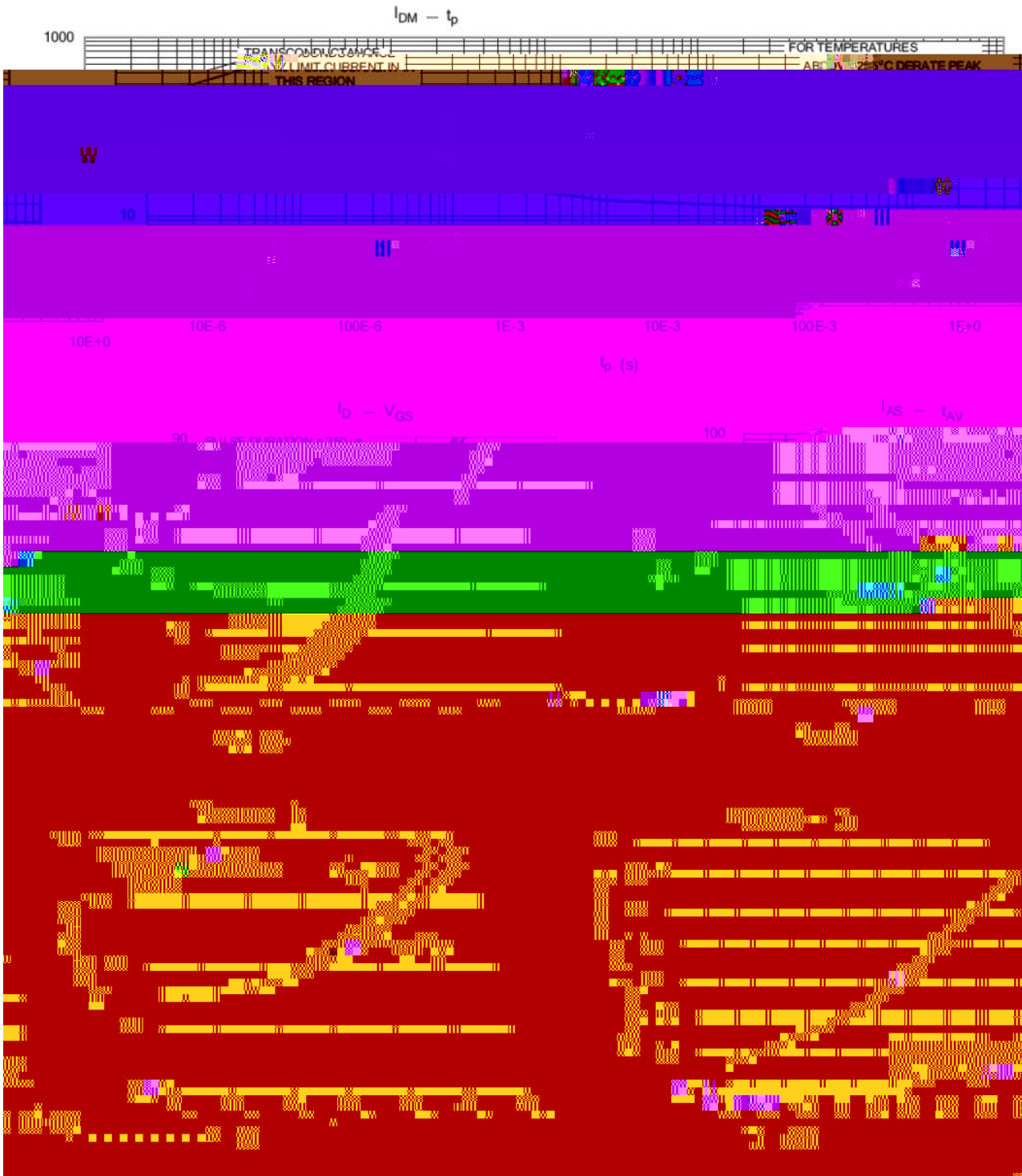
See Marking Instructions.

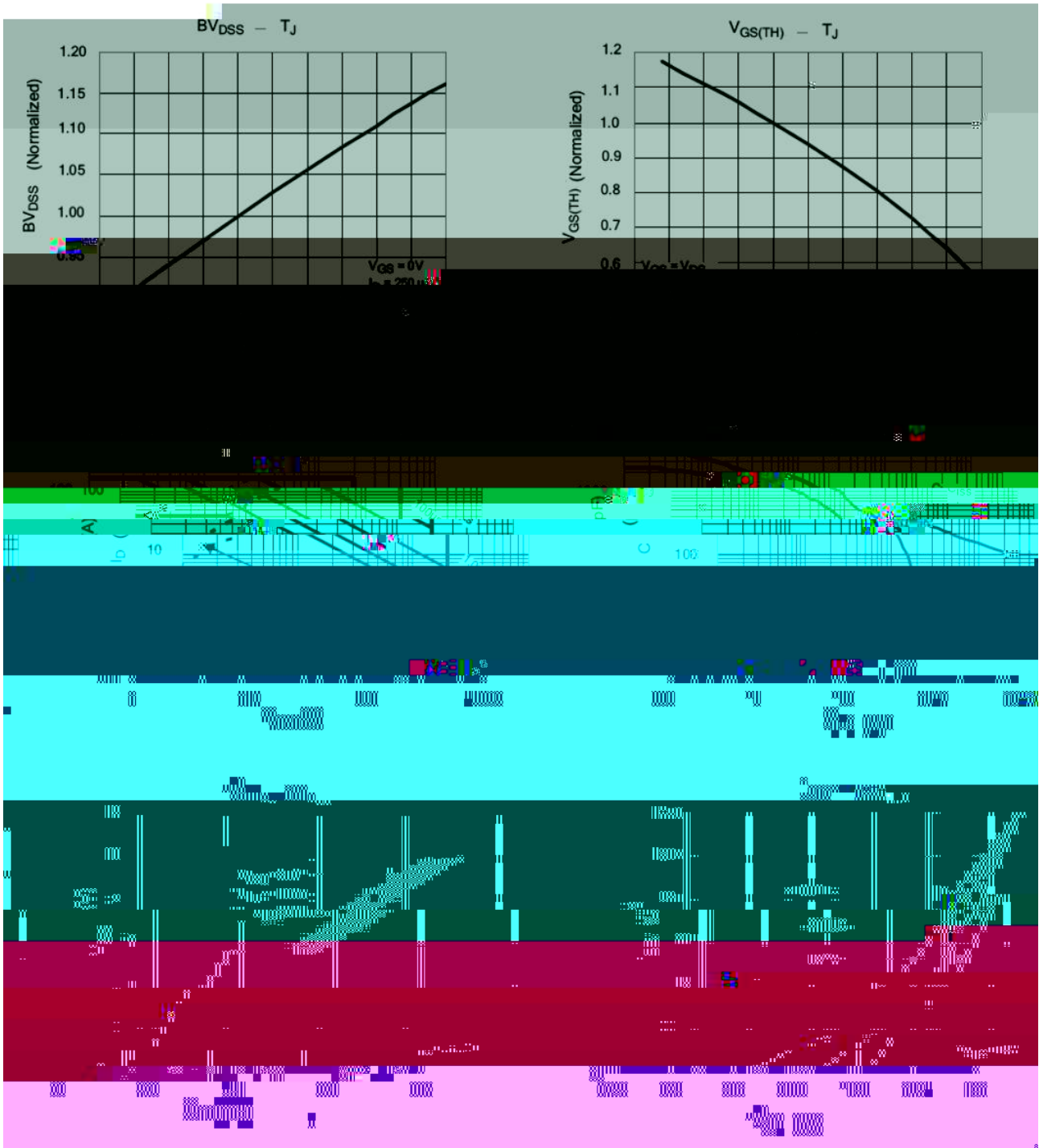
Total Gate Charge	Q_g	$I_D=20A$ $V_{DD}=100V$ $V_{GS} = 10V$		68		nC
Gate-Source Charge	Q_{gs}			17		
Gate-Drain Charge	Q_{gd}			16		
Continuous Source Current	I_S				40	A
Maximum Pulsed Current	I_{SM}				160	A
Diode Forward Voltage	V_{SD}	$I_S=40A$ $V_{GS}=0V$			1.5	V
Reverse Recovery Time	t_{rr}	$I_S=20A$ $T_j=25$ $d_{IF}/d_t=100A/us, V_{GS}=0V$		250		ns
Reverse Recovery Charge	Q_{rr}			1.5		μC

Notes:

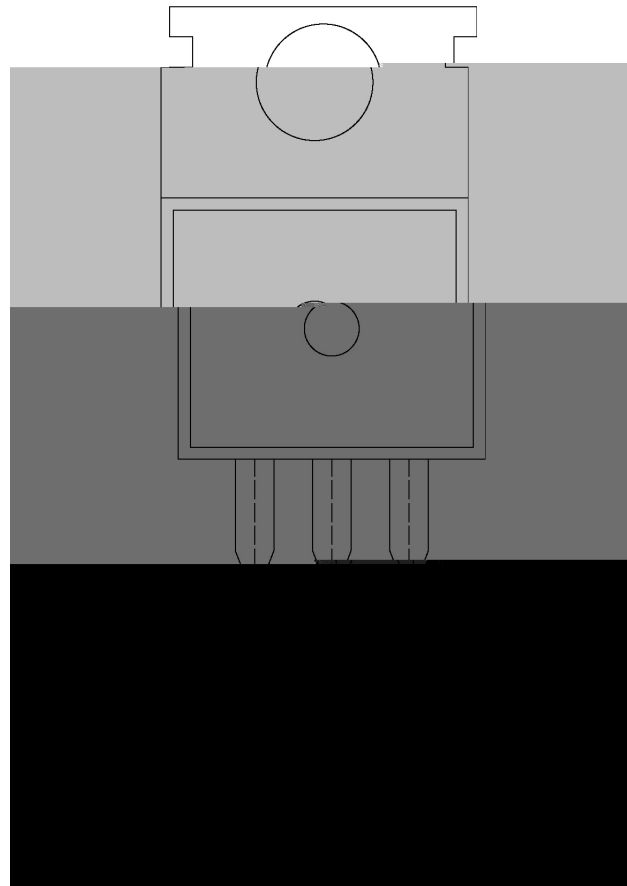
 a1 $L=1.0mH, I_D=31.6A, \text{Start } T_J=25$

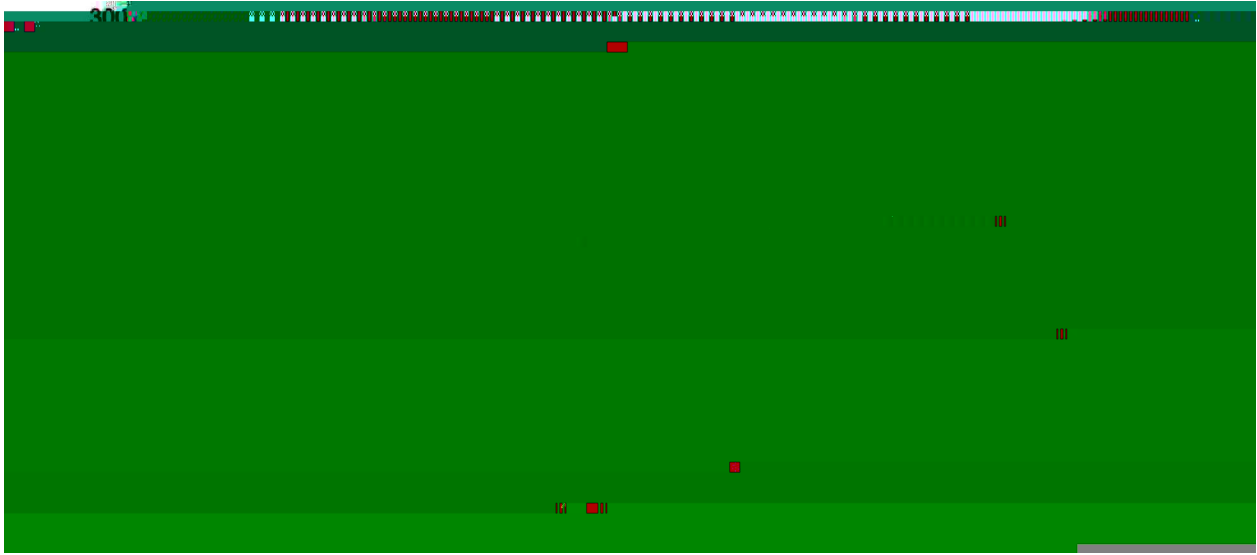
 a2 $I_{SD} = 10A, di/dt \ 100A/us, V_{DD} \ B_{VDS}, \text{Start } T_J=25$











1	25	150	60	90sec;
2	255±5		5±0.5sec;	
3		2	10	/sec.

Note:

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

270±5

10±1 sec.

Temp.: 270±5

Time: 10±1 sec

/ BULK

Package Type	Units				Dimension (unit mm ³)		

/ TUBE

Package Type	Units				Dimension (unit mm ³)		