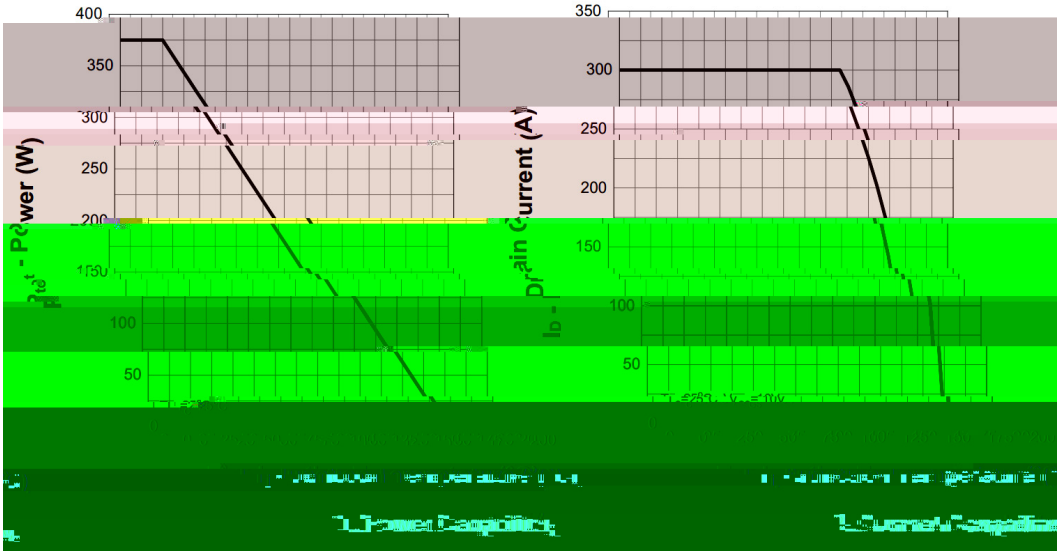
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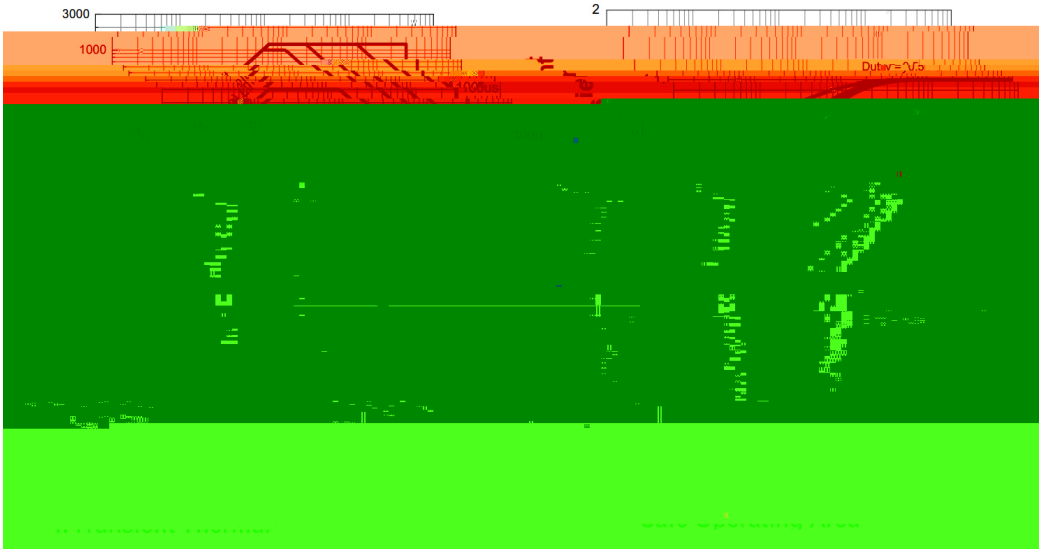
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	30	V
Drain Current	I_D(Tc=25)	300	A
	I_D(Tc=100)	300	A
Pulsed Drain Current	I_{DM}	1200	A
Gate-Source Voltage	V_{GS}	± 20	V
Single Pulsed Avalanche Energy L=1.0mH	E_{AS}	1624	mJ
Continuous-Source Current	I_S	300	A
Total Power Dissipation	P_D(Tc=25)	375	W
Junction and Storage Temperature Range	T_J,T_{STG}	-55 to 175	

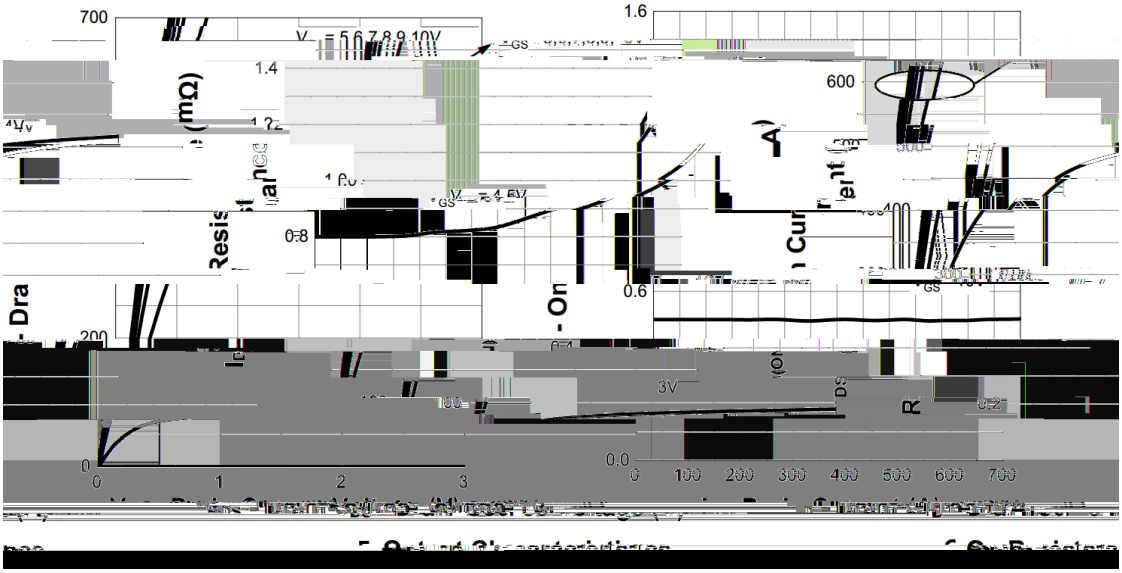
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Total Gate Charge	Q_g	V_{GS}=10V, V_{DS}=15V, I_D=50A		306		nC
Gate Source Charge	Q_{gs}			63		
Gate Drain Charge	Q_{gd}			44		
Turn-On Delay Time	$t_{d(on)}$	V_{GEN}=10V V_{DS}=15V R_L=0.3Ω R_G=3.9Ω I_{DS}=50A		23		ns
Turn-On Rise Time	t_r			151		
Turn-Off Delay Time	$t_{d(off)}$			249		
Turn-Off Fall Time	t_f			127		

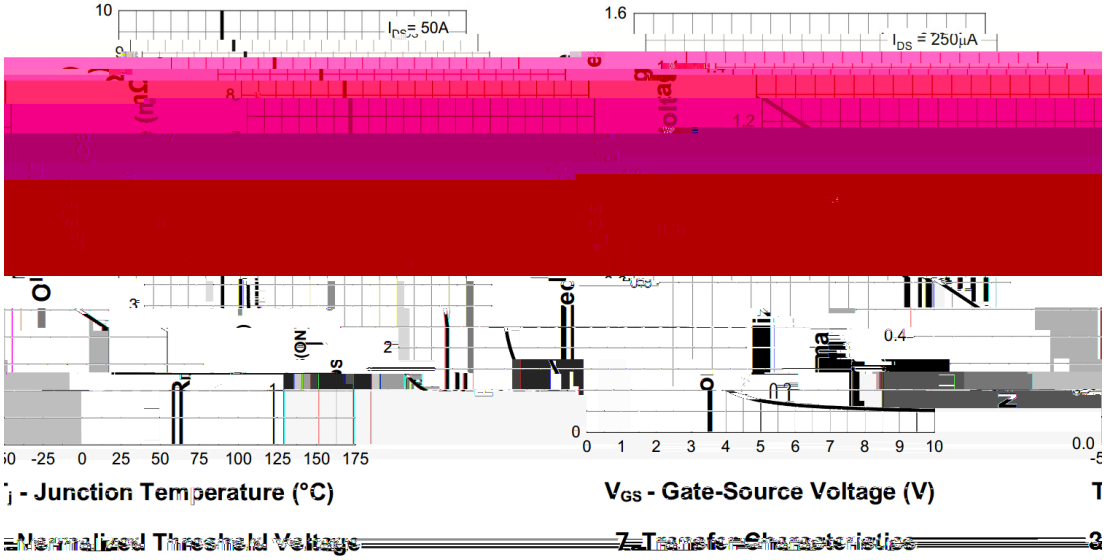
/ Electrical Characteristic Curve

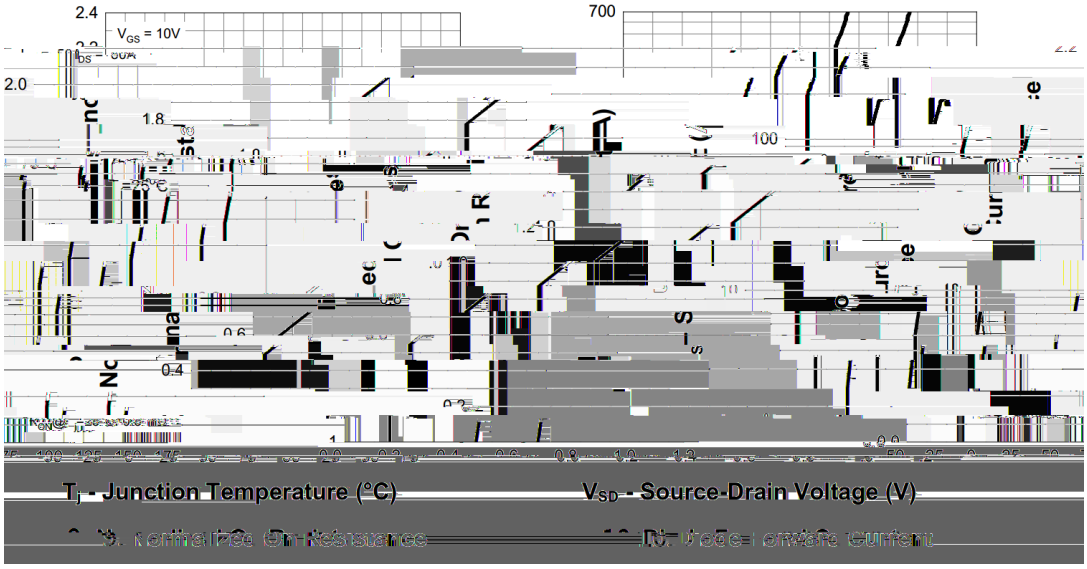


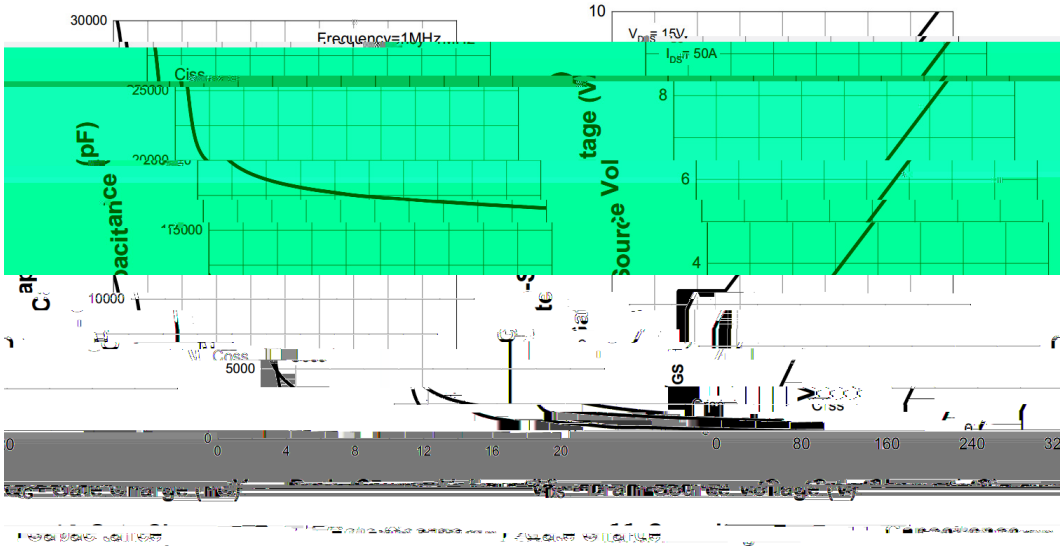




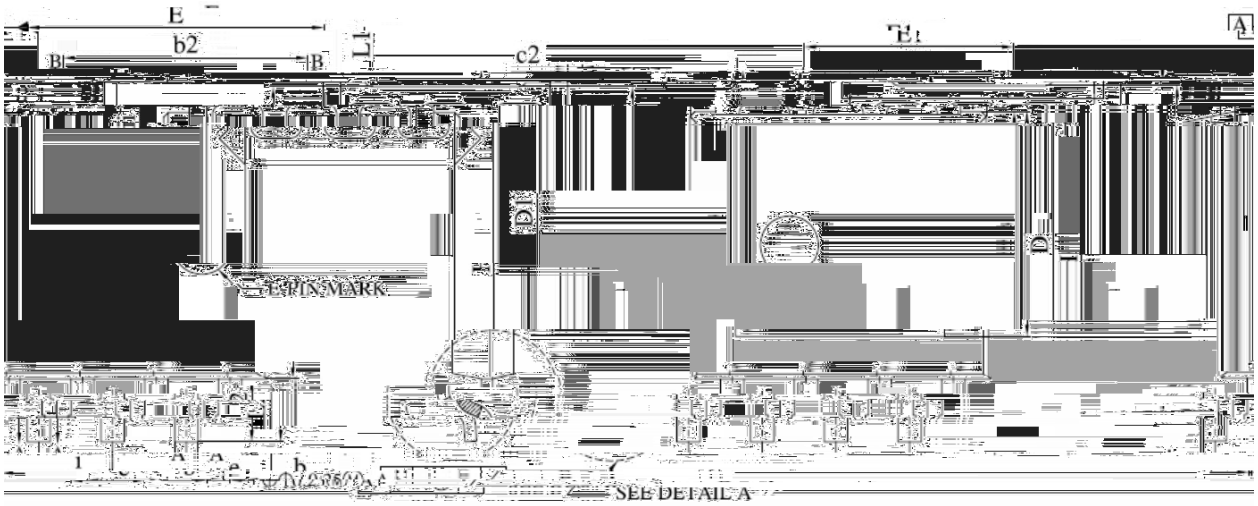
/ Electrical Characteristic Curve

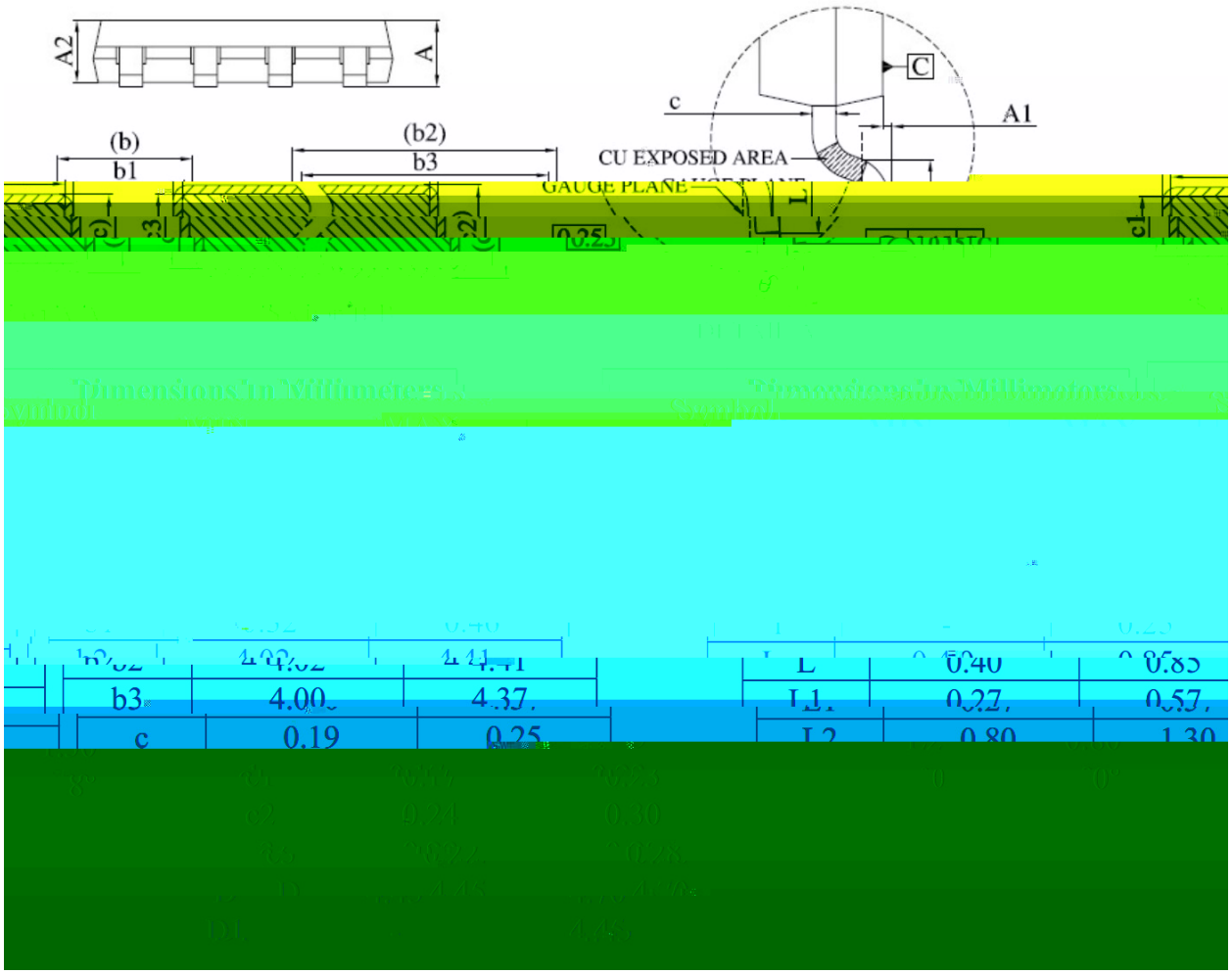






/ Package Dimensions





Dimensions In Millimeters

Symbol			Symbol		
b3	4.00	4.37	L	0.40	0.85
c	0.19	0.25	L1	0.27	0.57
			L2	0.80	1.30

/ Marking Instructions



BR

006N03S

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Note

BR:	Company Code
006N03S:	Product Type Code
****:	Lot No. Code, code change with Lot No.

( ) / Temperature Pro b