Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	100	V
Drain Current	I_D(Tc=25)	212	A
Pulsed Drain Current	I_{DM}	445	A
Gate-Source Voltage	V_{GS}	20	V

≠ ∧ ∃ Ạ / Electrical Characteristics(Ta=25 ⊿)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	V_{GS}=10V V_{DS}=50V R_L=2.5 R_{GEN}=3		23		ns
Turn-On Rise Time	t_r			17		
Turn-Off Delay Time	$t_{d(off)}$			50		
Turn-Off Fall Time	t_f			21		

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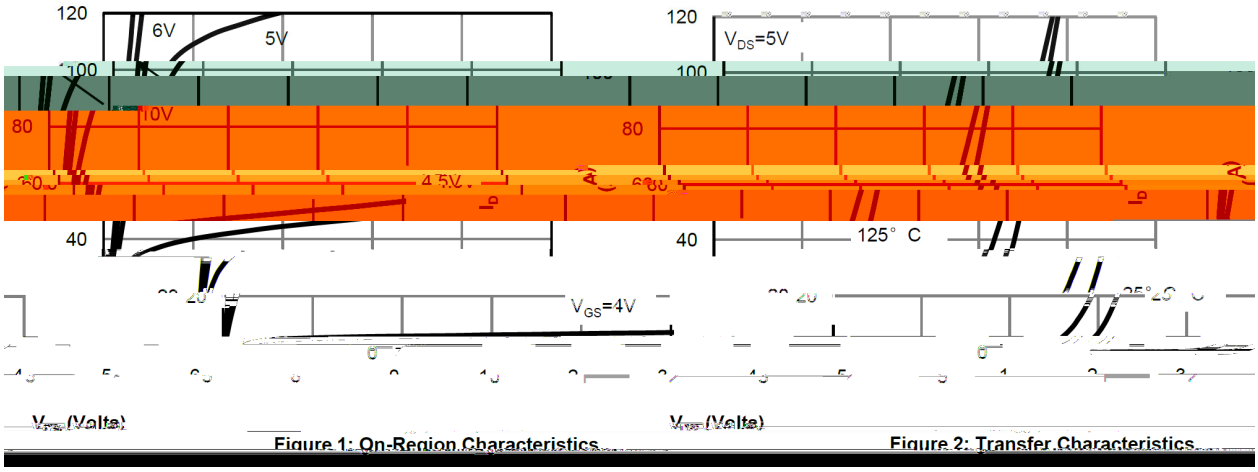
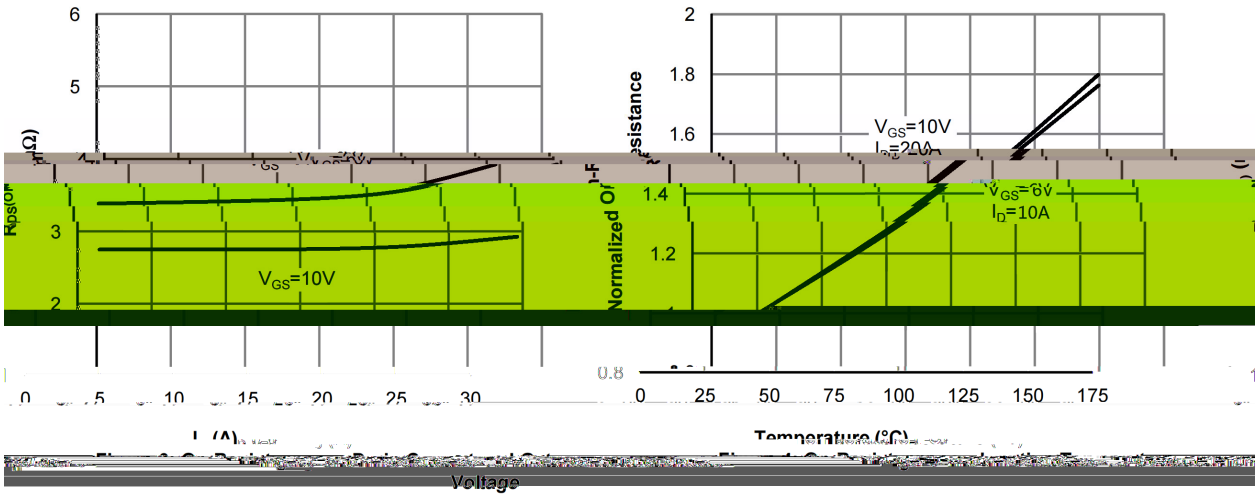
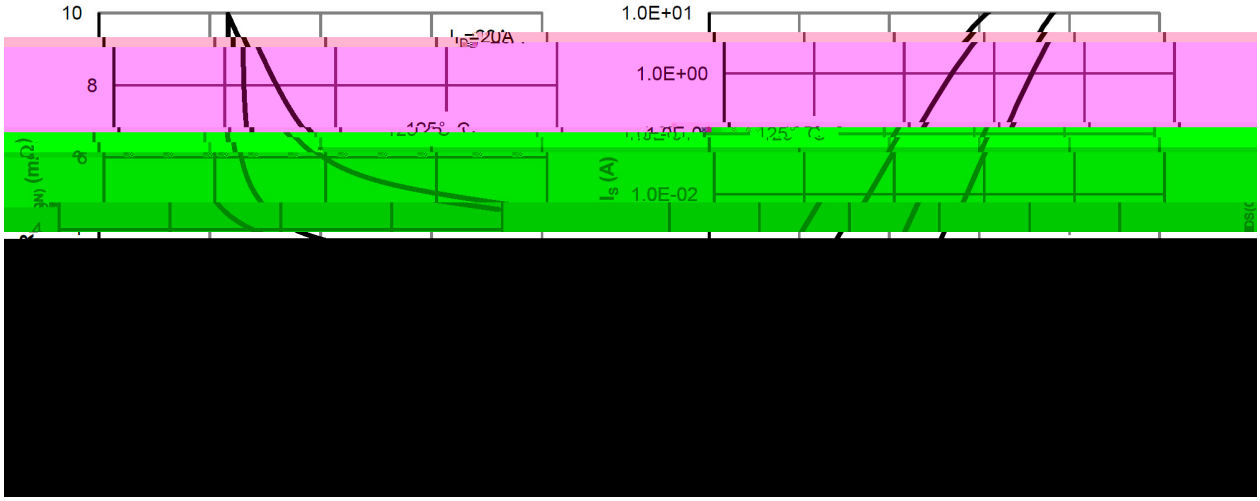


Figure 1: On-Region Characteristics

Figure 2: Transfer Characteristics





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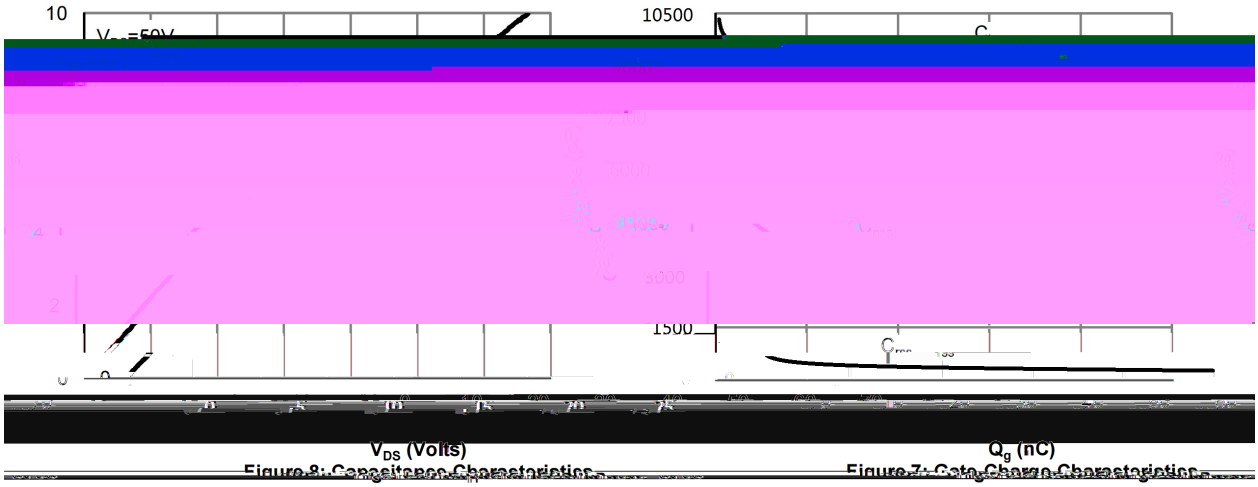
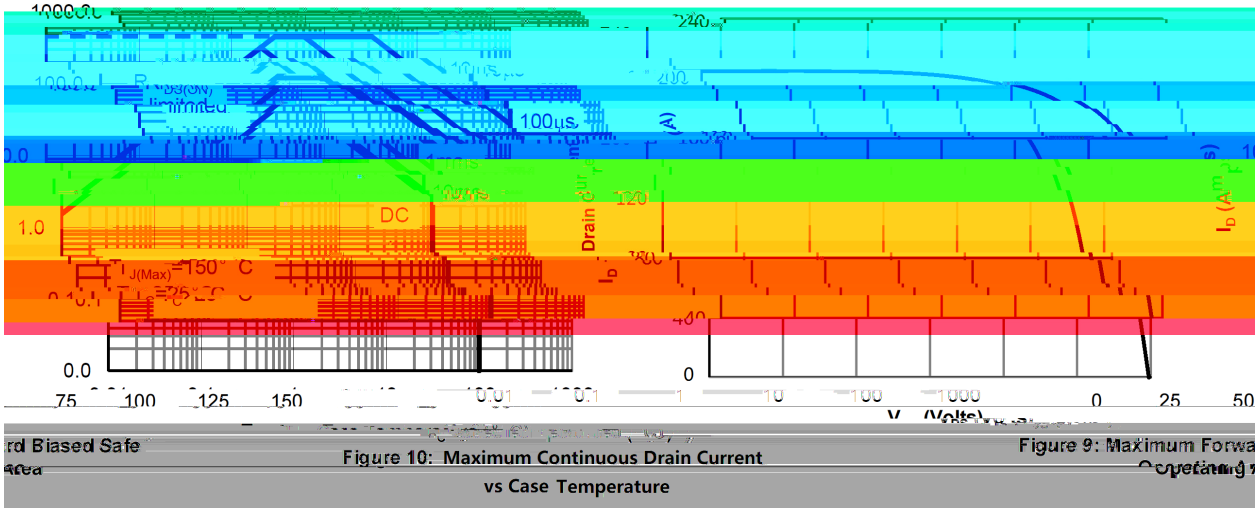


Figure 8: Capacitance Characteristics

Figure 7: Gate Charge Characteristics



rd Biased Safe Area

Figure 10: Maximum Continuous Drain Current vs Case Temperature

Figure 9: Maximum Forward Biased Safe Operating Area

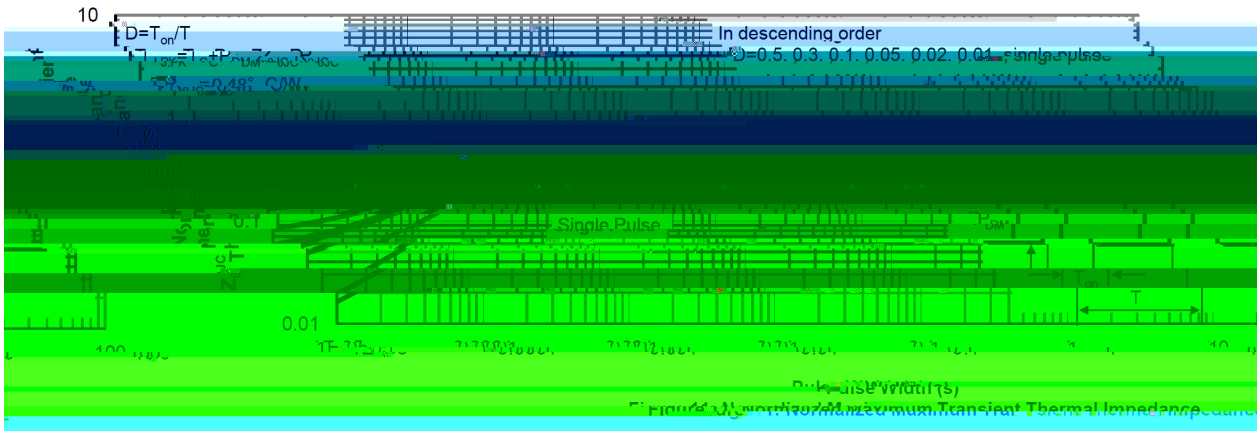


Figure 11: Normalized Maximum Transient Thermal Impedance

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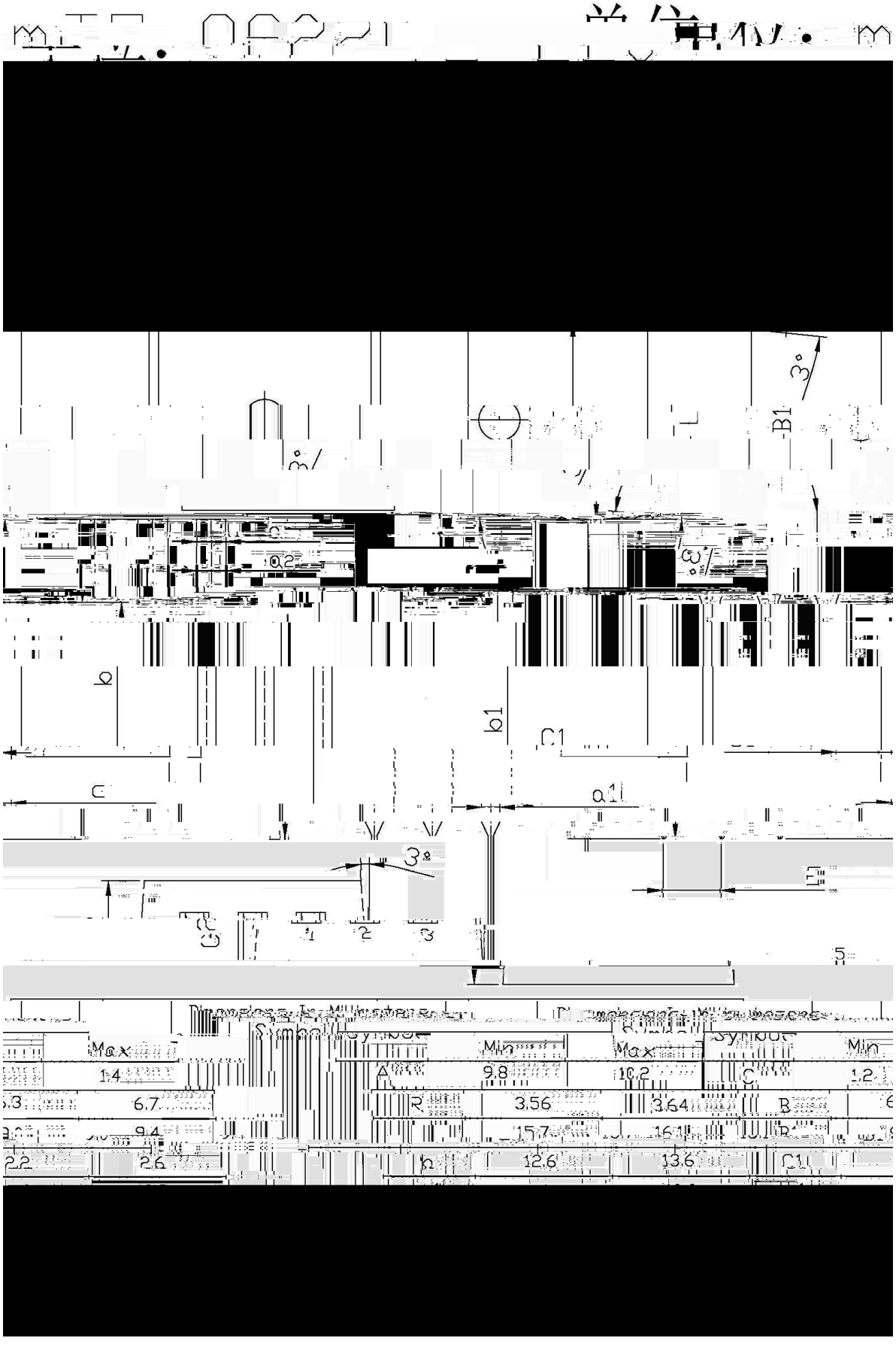

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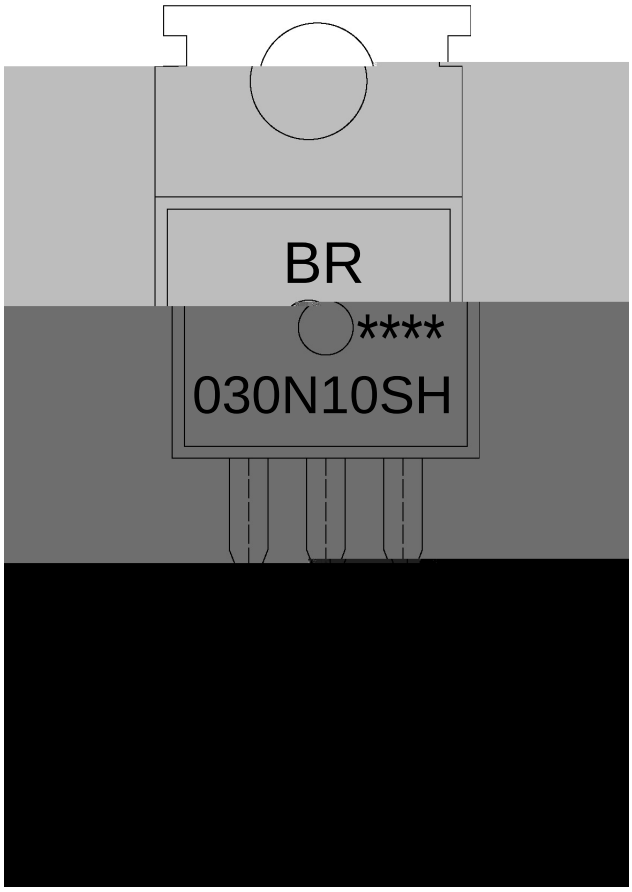

BR

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Note:

BR:	Company Code
030N10SH:	Product Type
****:	Lot No. Code, code change with Lot No