TO-252 N

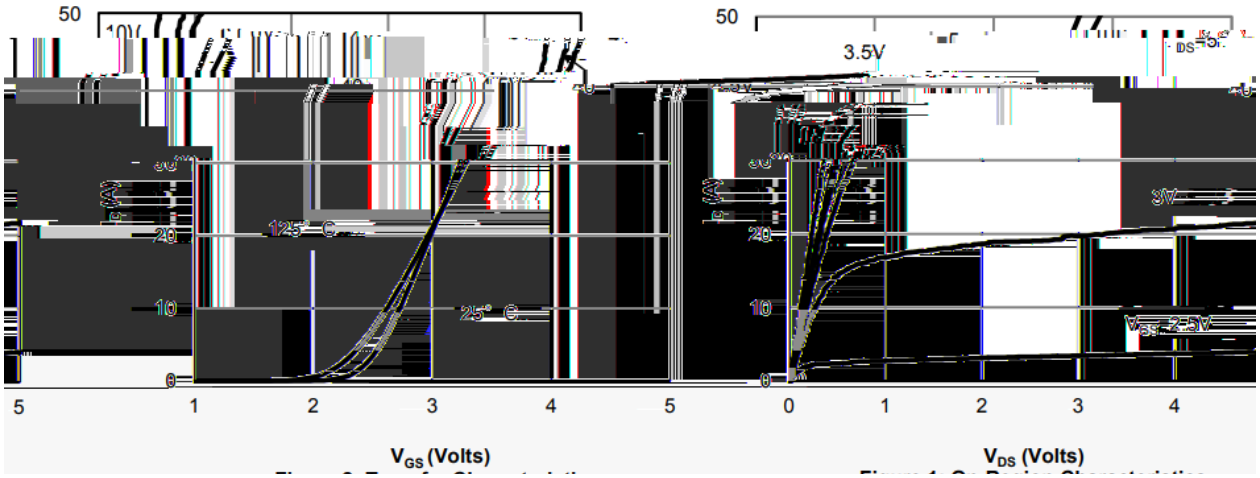
N-CHANNEL MOSFET in a TO-252 Plastic Package.

R

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	V_{GS}=10V V_{DS}=30V R_L=1.5Ω R_{GEN}=3Ω		8		ns
Turn-On Rise Time	t_r			5		
Turn-Off Delay Time	$t_{d(off)}$			30		
Turn-Off Fall Time	t_f			5.5		

/ Electrical Characteristic



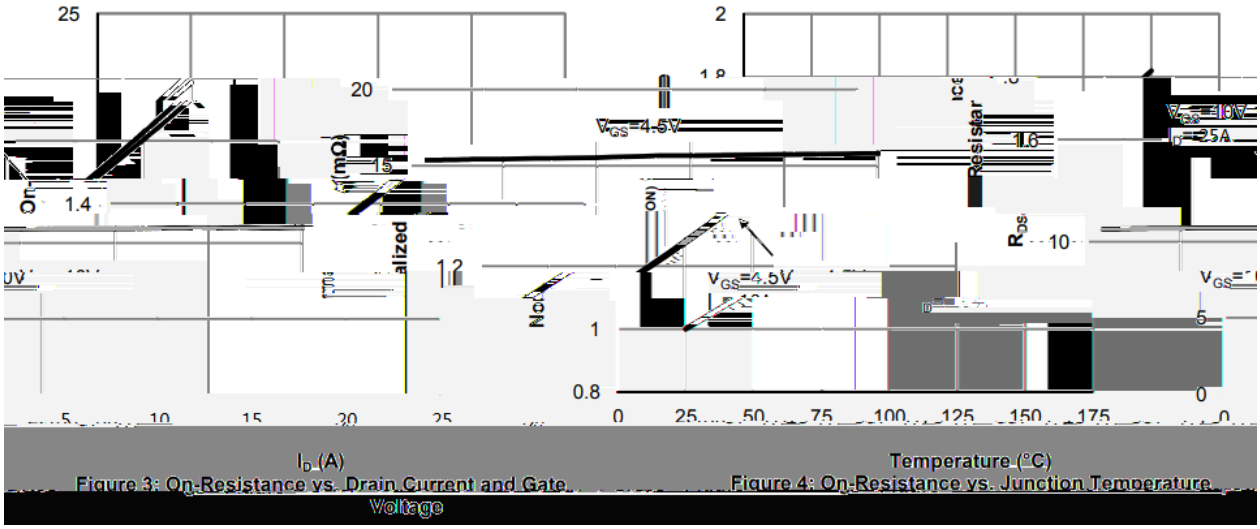


Figure 3: On-Resistance vs. Drain Current and Gate Voltage

Figure 4: On-Resistance vs. Junction Temperature

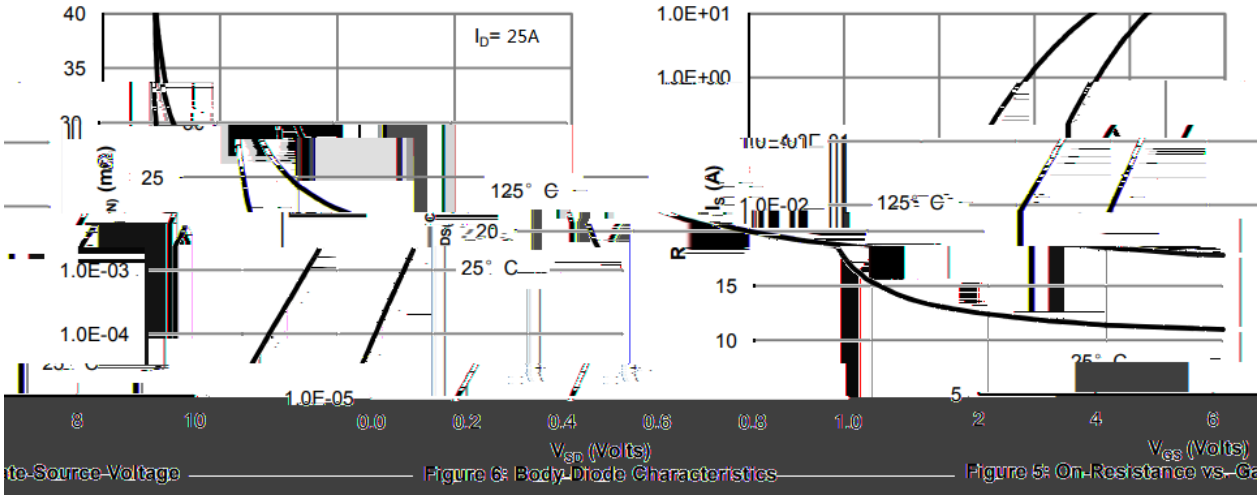


Figure 6: Body Diode Characteristics

Figure 5: On-Resistance vs. Ga

/ Electrical Characteristic Curve

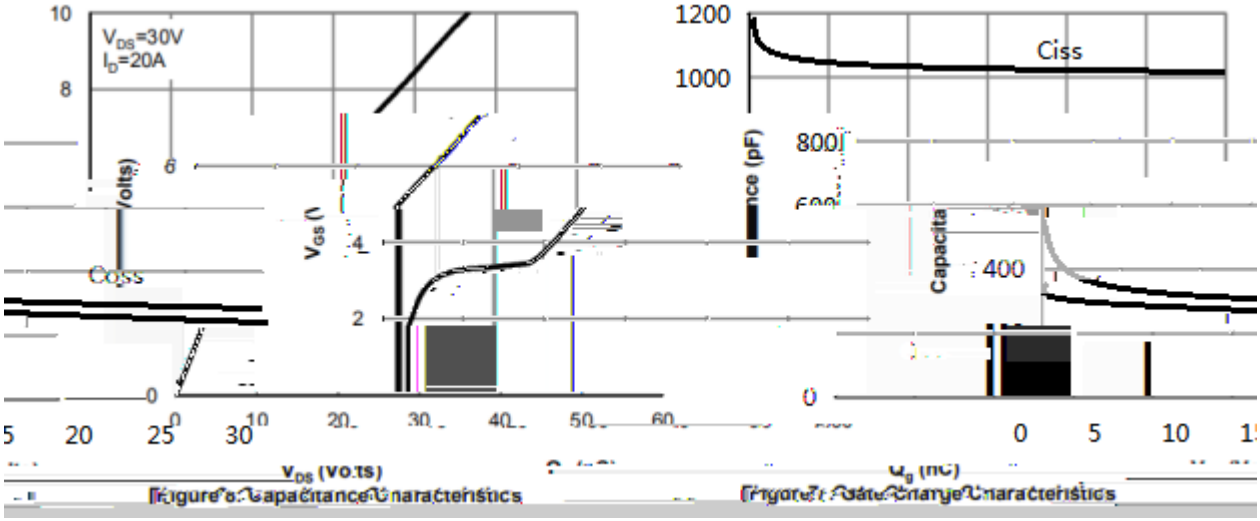


Figure 8: Capacitance Characteristics Figure 9: Gate Charge Characteristics

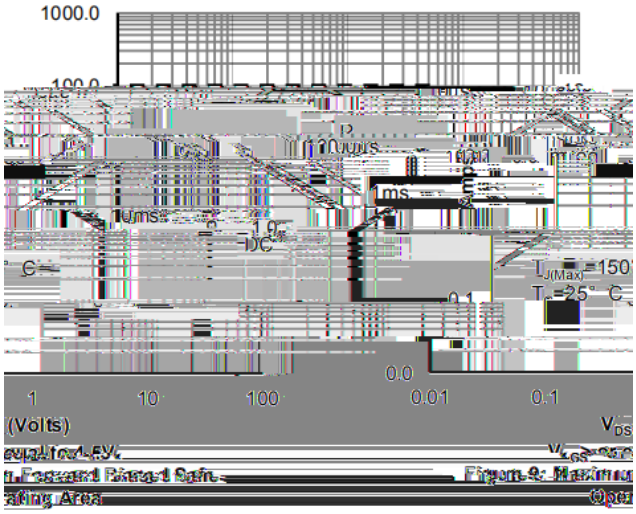


Figure 9: Maximum Forward Biased Safe Operating Area

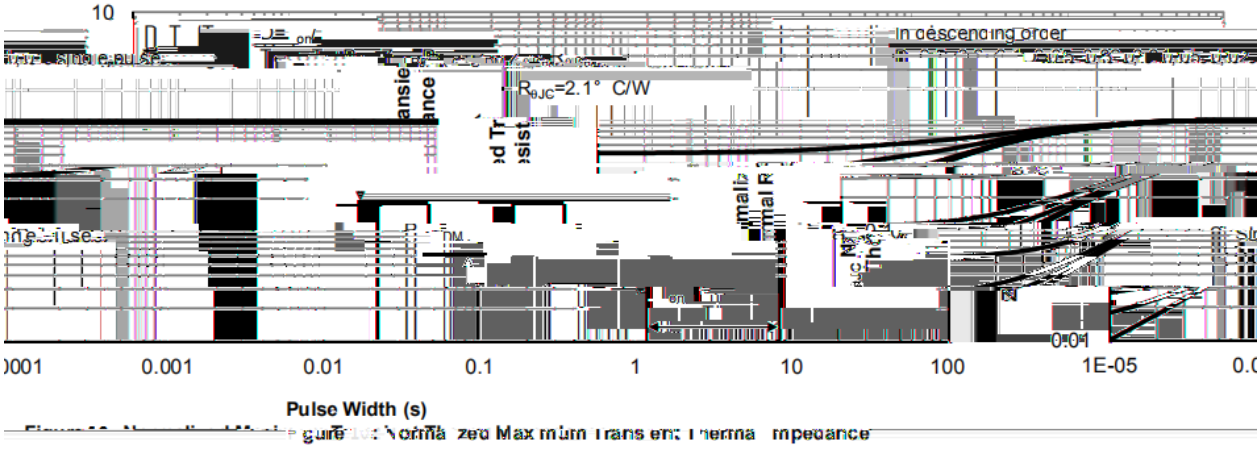
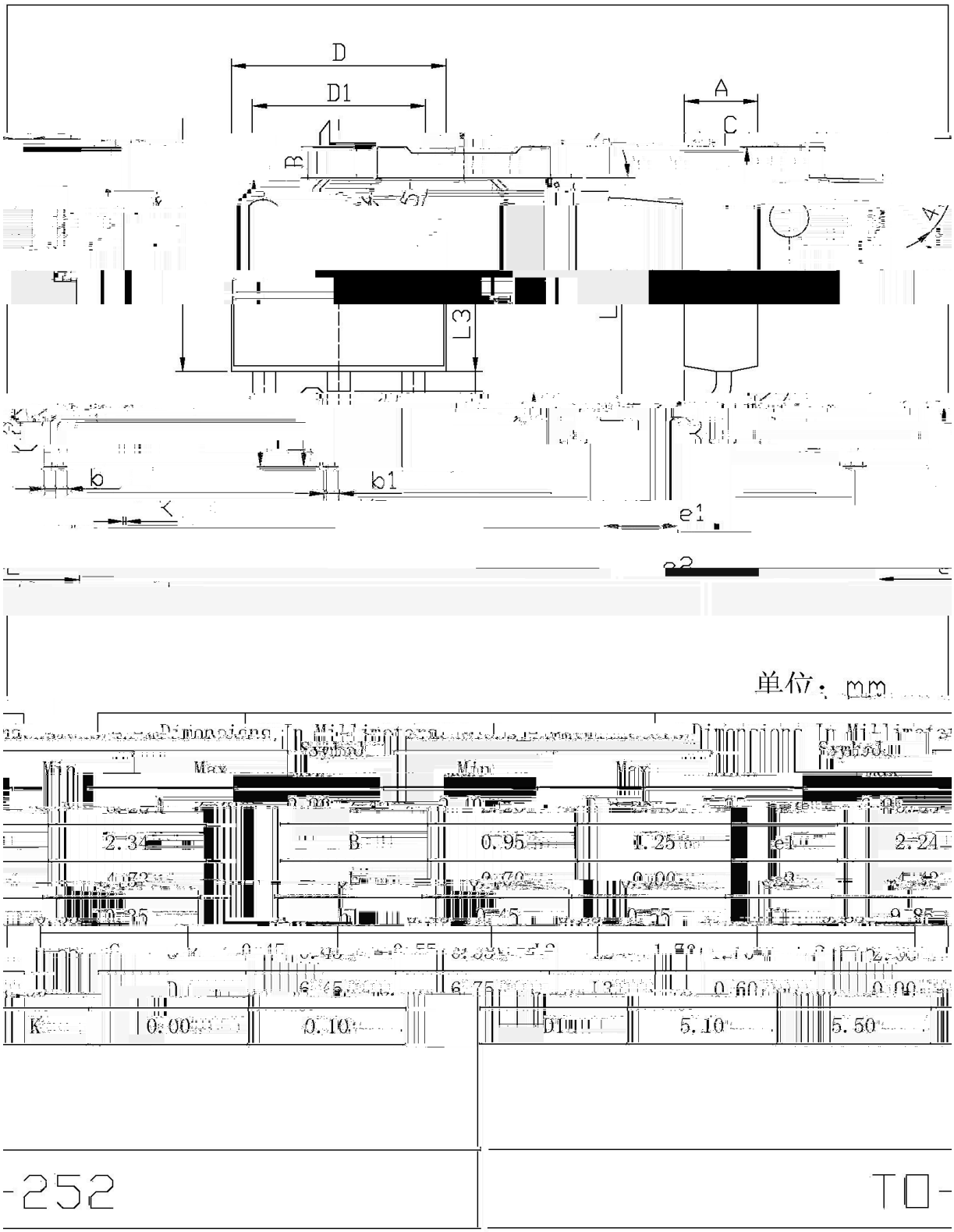
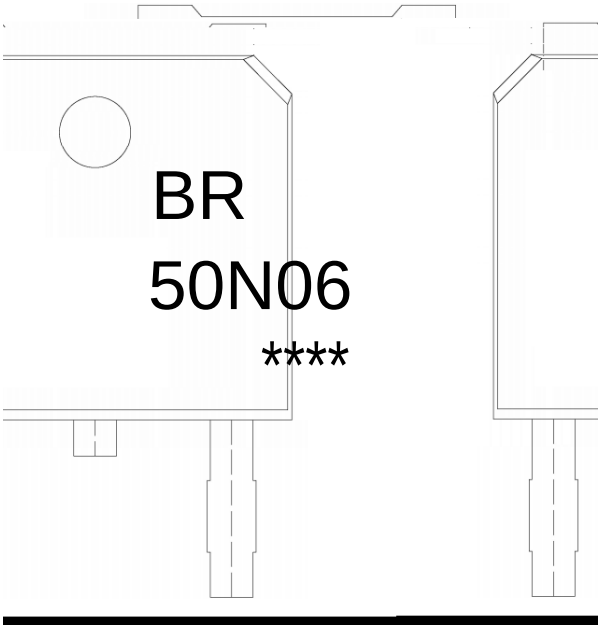


Figure 10: Normalized Maximum Transient Thermal Impedance

/ Package Dimensions



/ Marking Instructions



BR

50N06

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Note:

BR:	Company Code
50N06:	Product Type Code
****:	Lot No. Code, code change with Lot No

BRCS50N06DP