BRD7002K2

Rev.J Jan.-2024

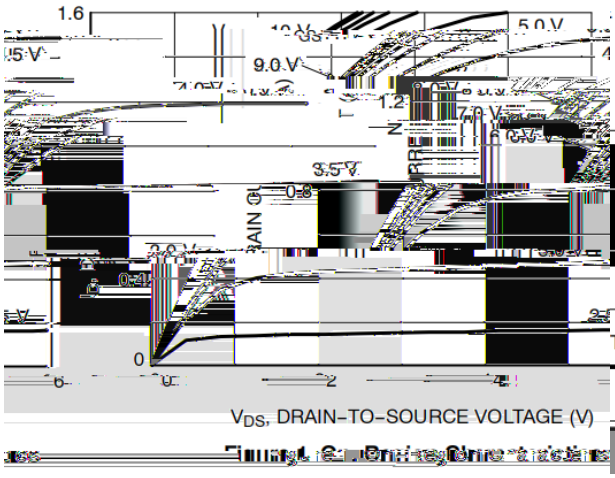
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	60	V

%

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn_On Delay Time	$t_{d(ON)}$	V_{GS} =10V, V_{DD}=25V, I_D=500mA, R_G=25Ω		6.0		ns
Rise Time	t_r			5.8		
Turn_Off Delay Time	$t_{d(OFF)}$			13.2		
Fall Time	t_f			8.9		

/ Electrical Characteristic Curve



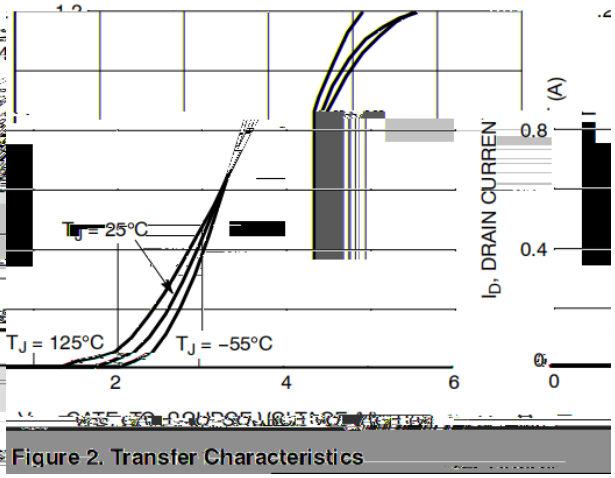


Figure 2. Transfer Characteristics

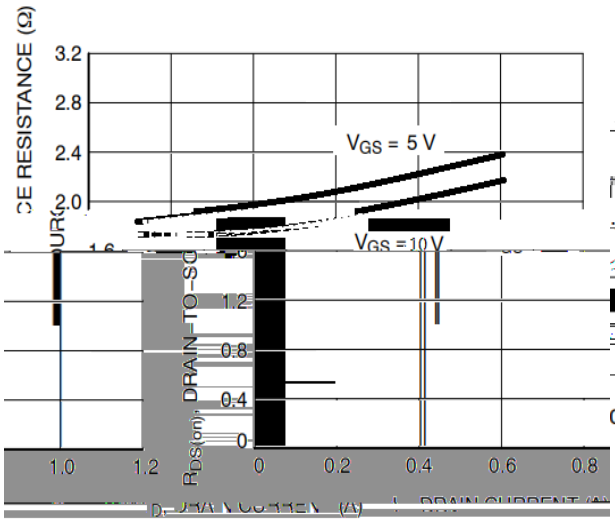
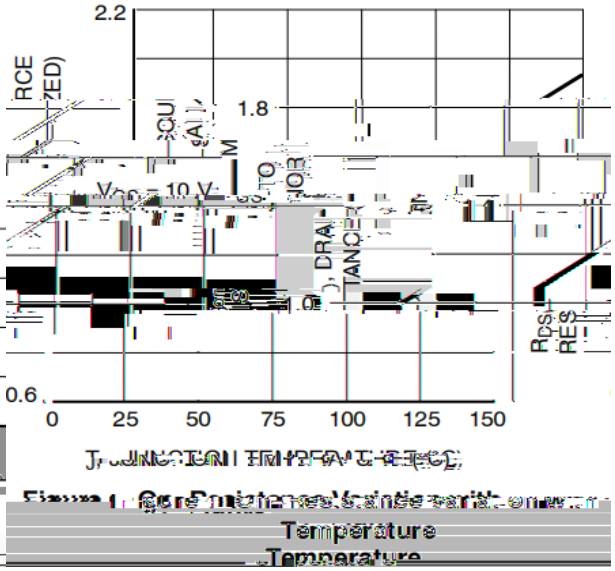


Figure 3. On−Resistance vs. Drain Current and



Temperature

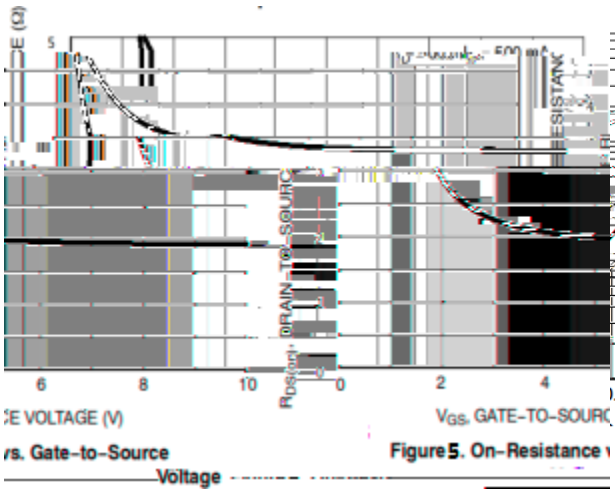


Figure 5. On−Resistance

Voltage

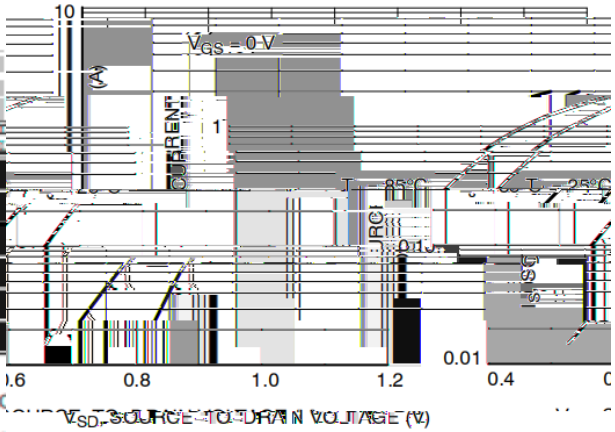


Figure 6 Diode Forward Voltage vs. Current

/ Electrical Characteristic Curve

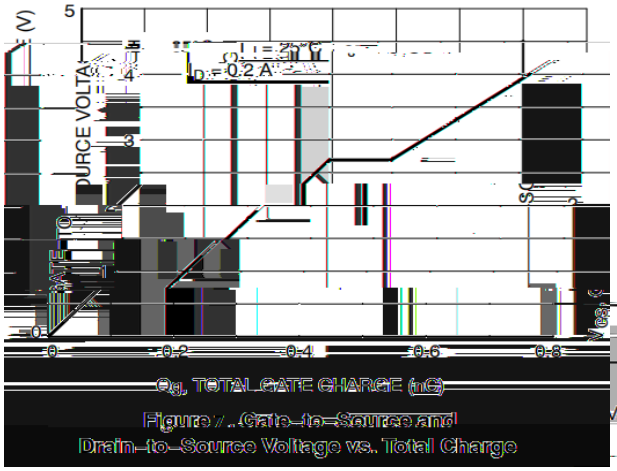


Figure 7. Gate-to-Source and Drain-to-Source Voltage vs. Total Charge

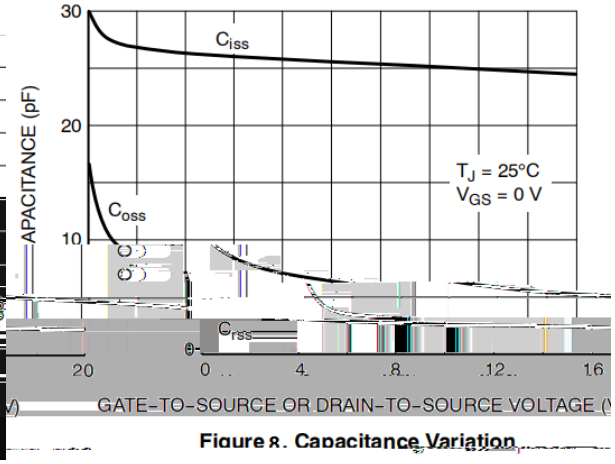


Figure 8. Capacitance Variation

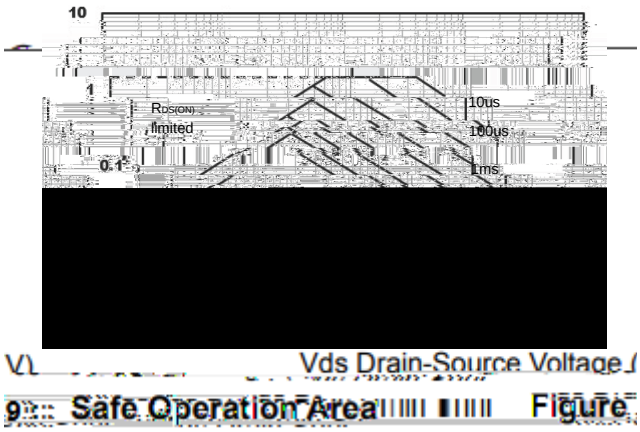


Figure 9. Safe Operation Area

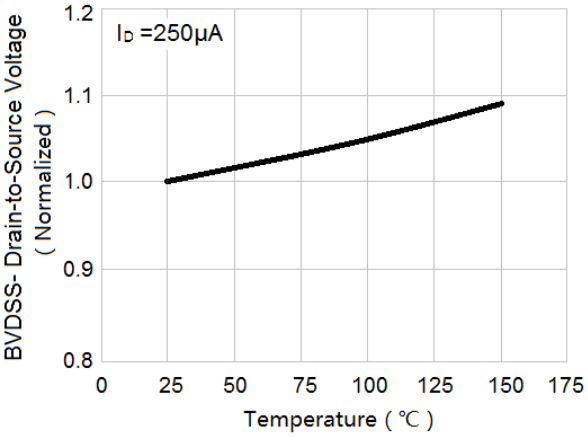
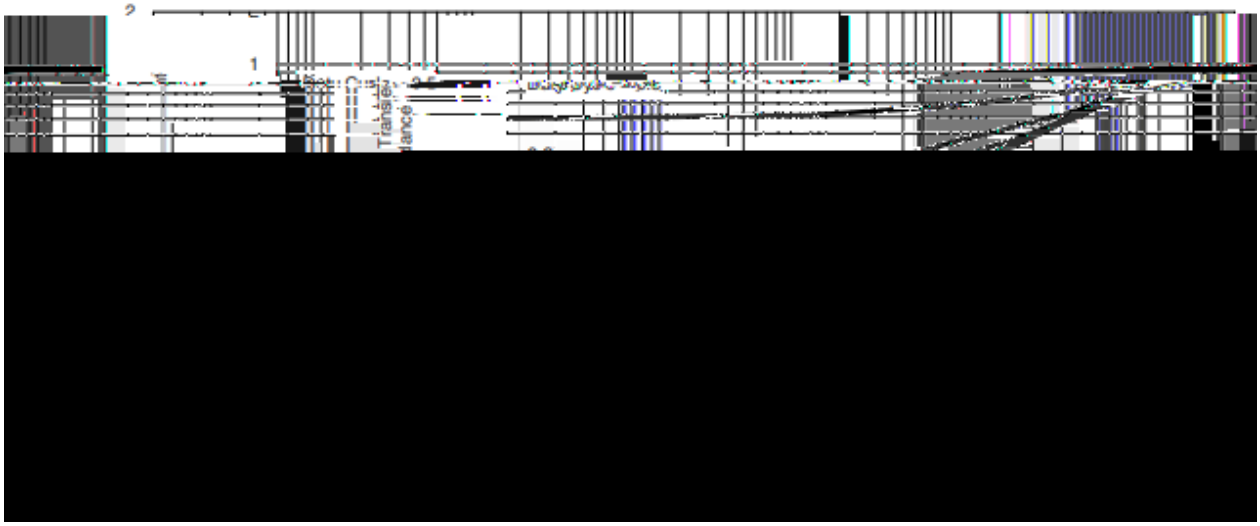
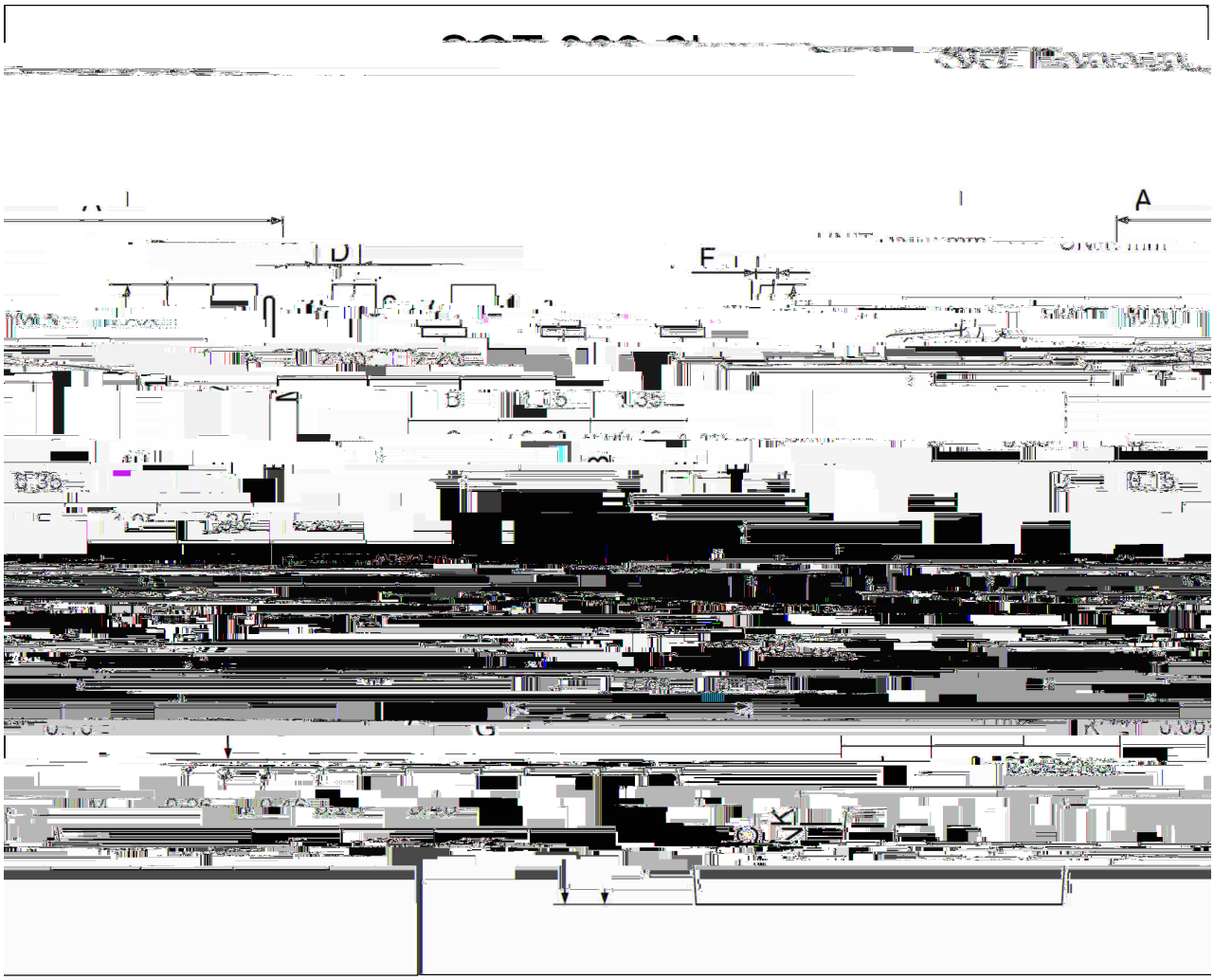


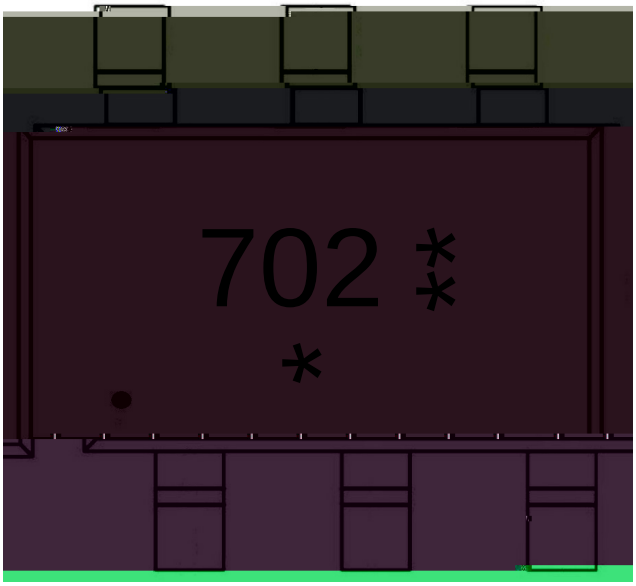
Figure 10 : Breakdown Voltage vs.Temperture



/ Package Dimensions



/ Marking Instructions



“ 1 ”

702

***:

Note:

“ 1 ” Pin

702	Product Type Code
***:	Lot No. Code, code change with Lot No

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

1	150	180	60