

**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	$t_{d(ON)}$	$V_{GS}=10V,$ $V_{DD}=25V,$ $I_D=500mA,$ $R_G=25$		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

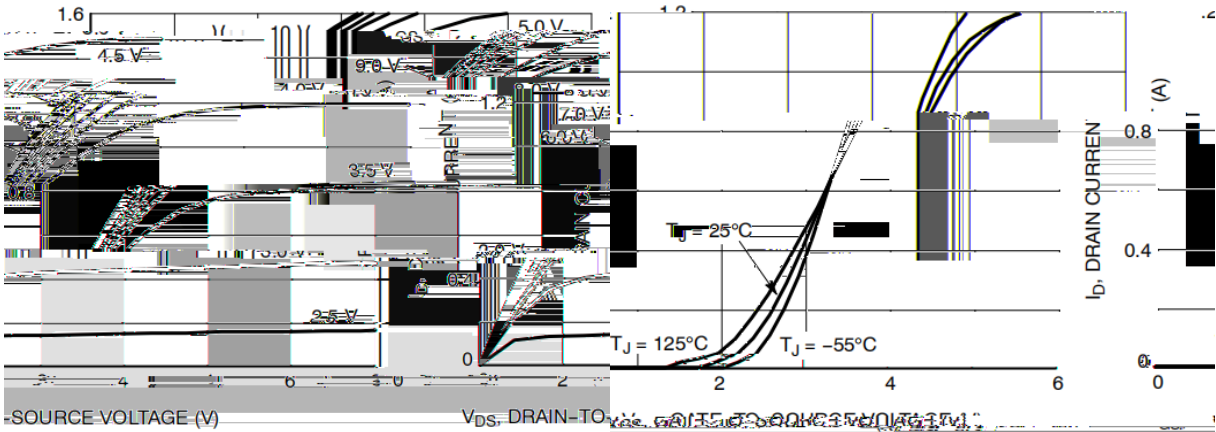


Figure 2. Transfer Characteristics

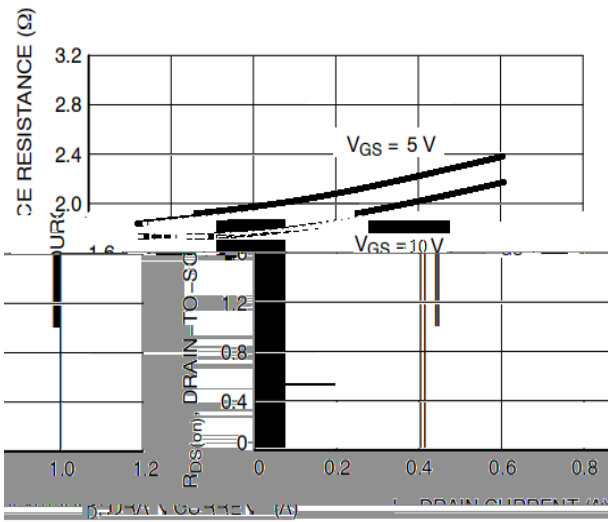


Figure 3. On-Resistance vs. Drain Current and Temperature

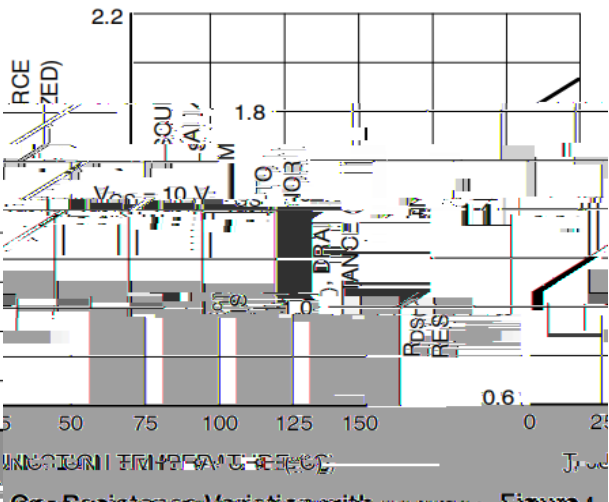


Figure 4. On-Resistance vs. Temperature

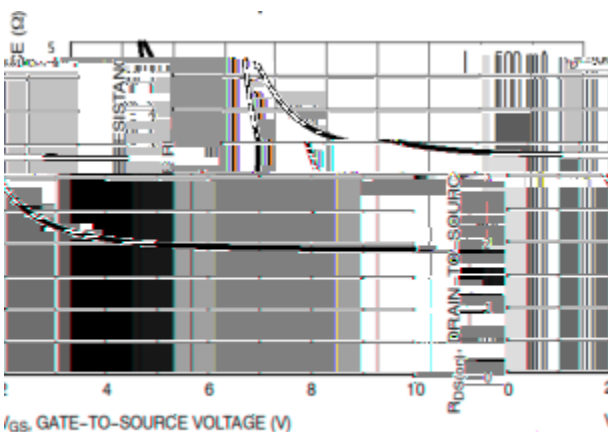


Figure 5. On-Resistance vs. Gate-to-Source Voltage

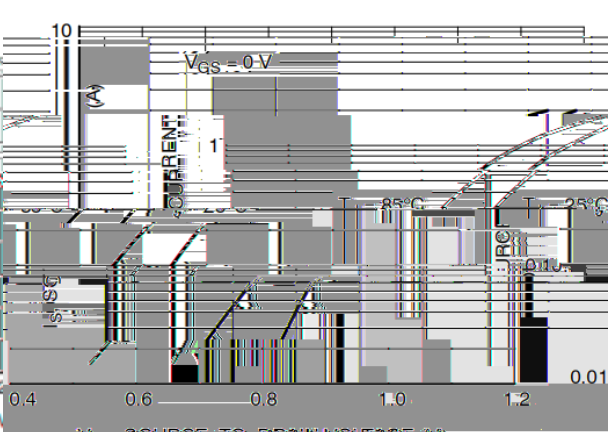
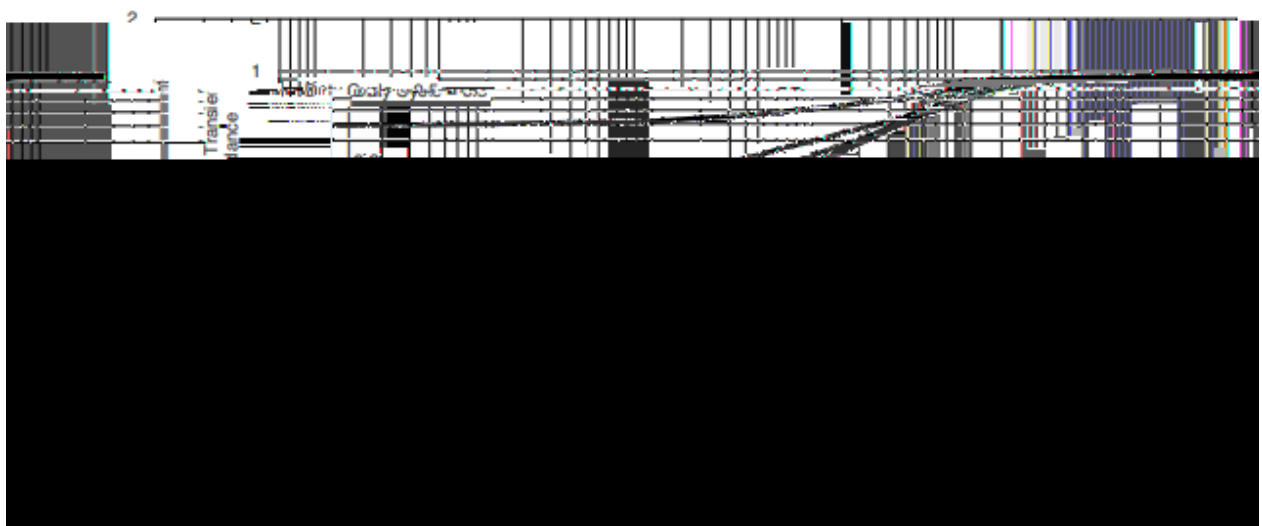
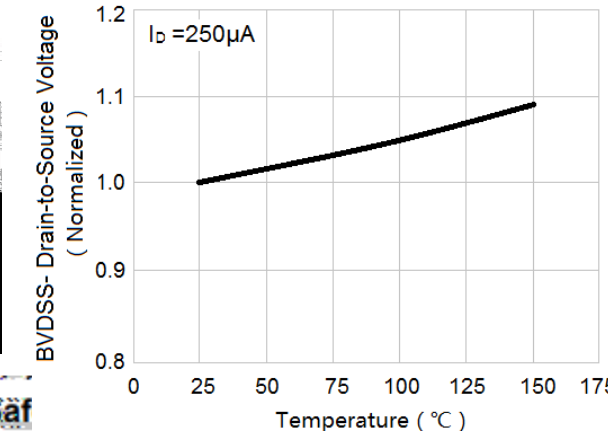
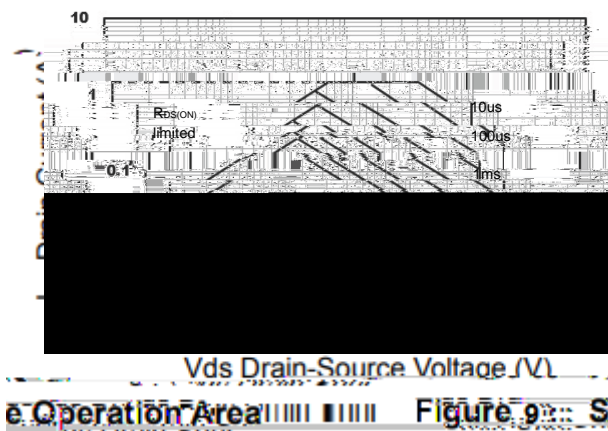
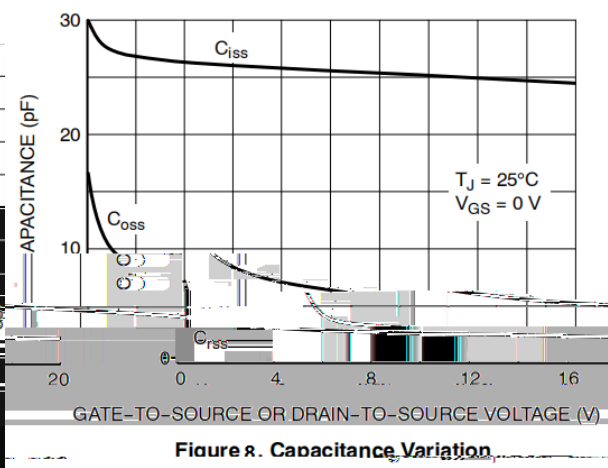
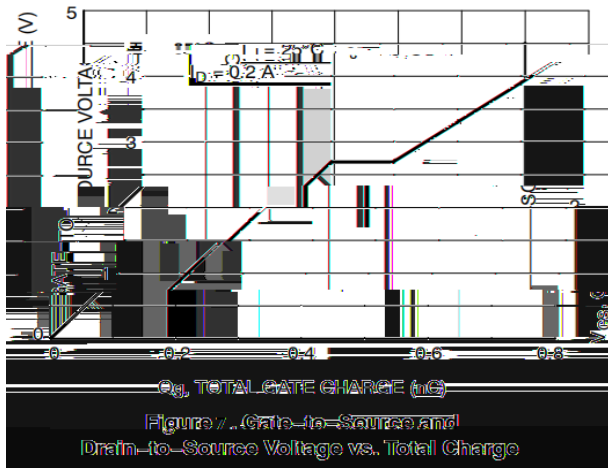


Figure 6. Diode Forward Voltage vs. Current

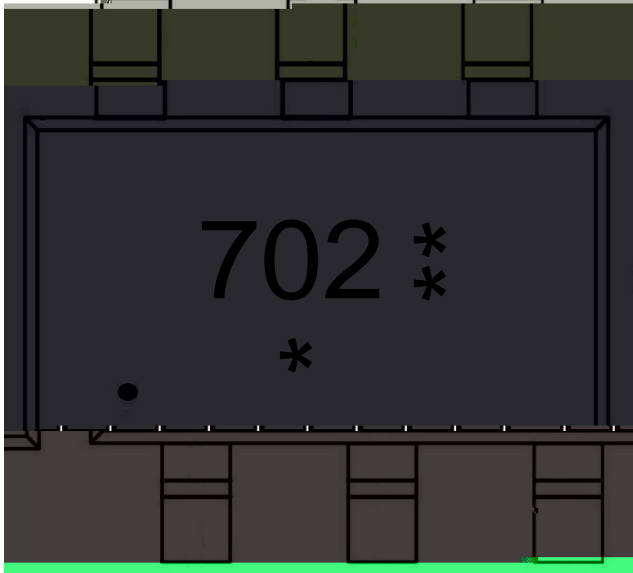
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



" 1"

702

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Note:



" 1" Pin

702

Product Type Code

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Lot No. Code, code change with Lot No

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


Note:

1            150   180            60