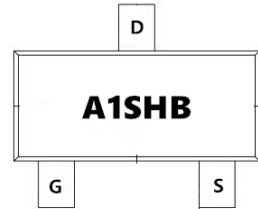
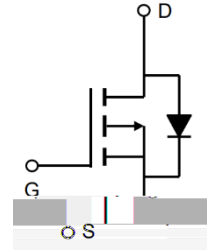


The XB2301A



XB2301A			

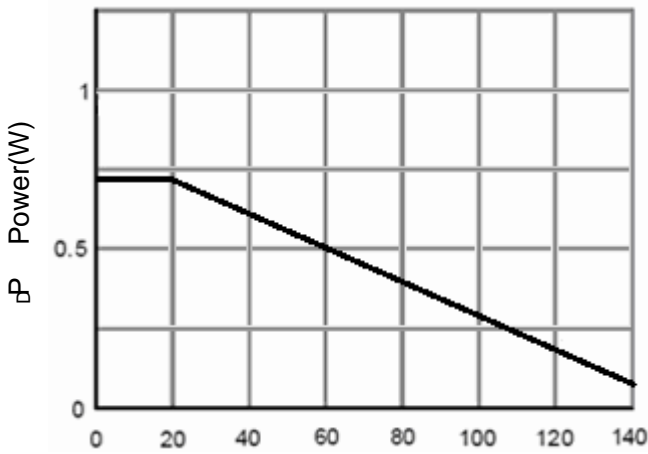
°C

			°C
			°C



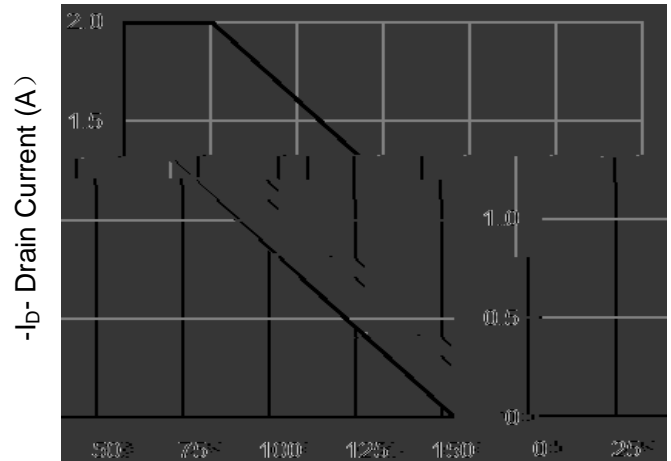
°C

--	--	--	--	--	--	--	--



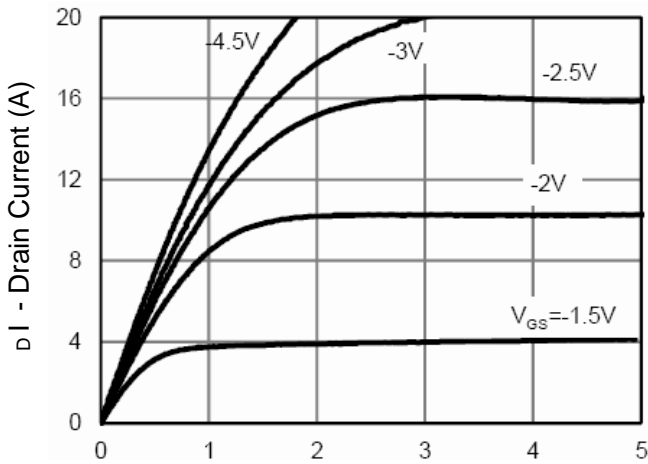
$T_j$ -Junction Temperature( °C )

**Figure 1 Power Dissipation**



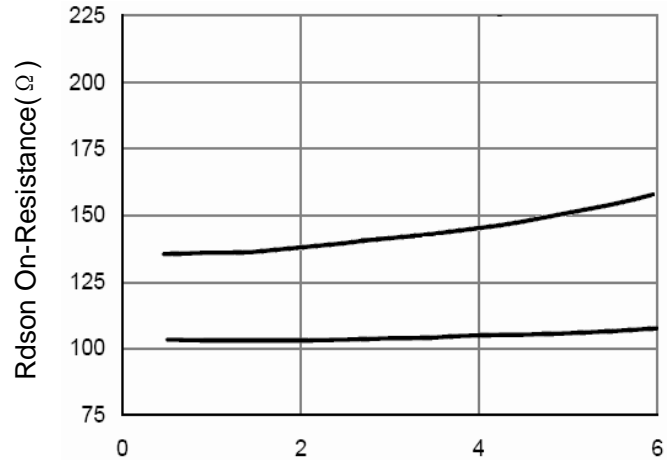
$T_j$ -Junction Temperature( °C )

**Figure 2 Drain Current**



$-V_{ds}$  Drain-Source Voltage (V)

**Figure 3 Output Characteristics**

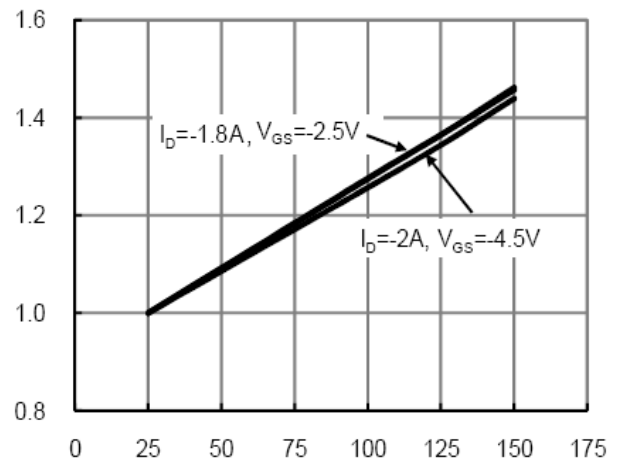


$-I_D$ - Drain Current (A)

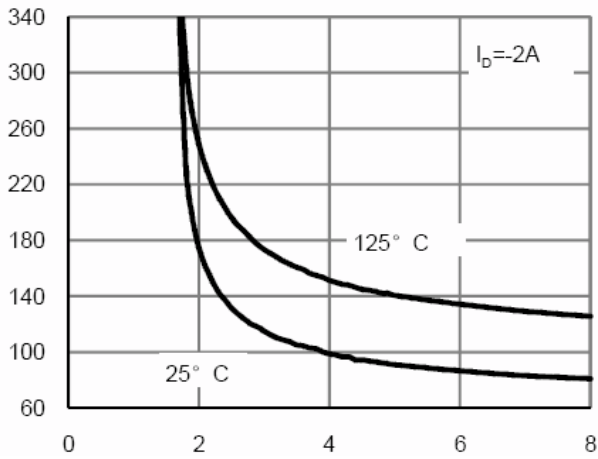
**Figure 4 Drain-Source On-Resistance**



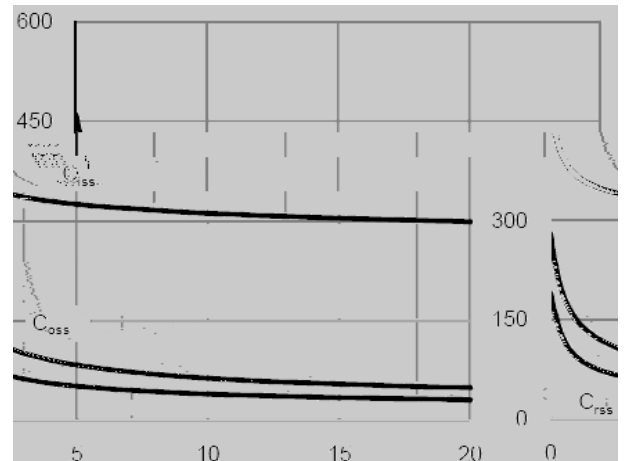
**Figure 5 Transfer Characteristics**



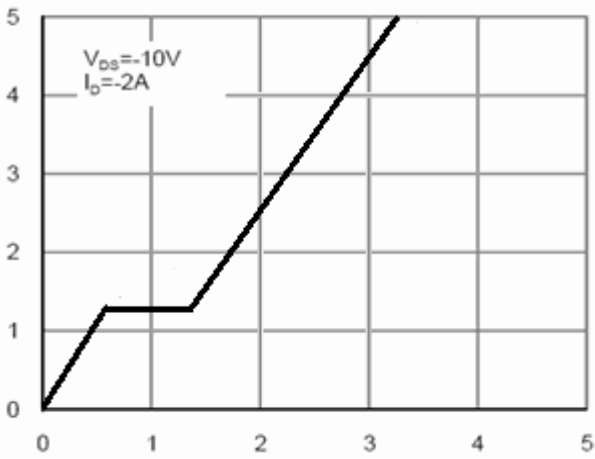
**Figure 6 Drain-Source On-Resistance**



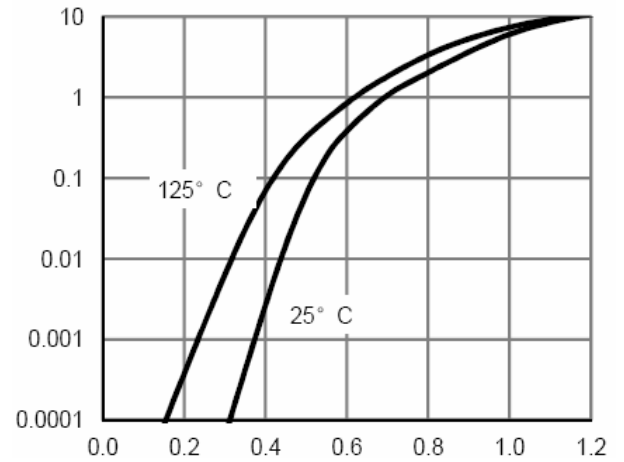
**Figure 7 Rdson vs Vgs**



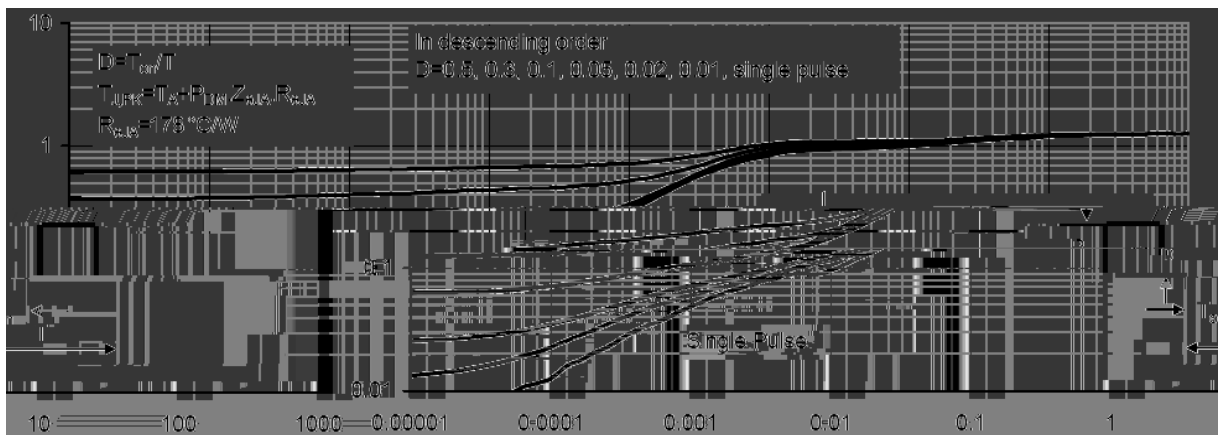
**Figure 8 Capacitance vs Vds**



**Figure 9 Gate Charge**



**Figure 10 Source- Drain Diode Forward**



**Figure 11 Normalized Maximum Transient Thermal Impedance**

## Package Mechanical Data-SOT-23