





YJL094N06AJKQ

Electrical Characteristics

Parameter	Symbol	Conditions	Min	Typ	Max	Units
Static Parameter						
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V, I_D=250\text{ A}, T_J=25$	60	-	-	V
Zero Gate Voltage Drain Current	I_{DSS}	$V_{DS}=60V, V_{GS}=0V, T_J=25$	-	-	1	A



Typical Electrical and Thermal Characteristics Diagrams

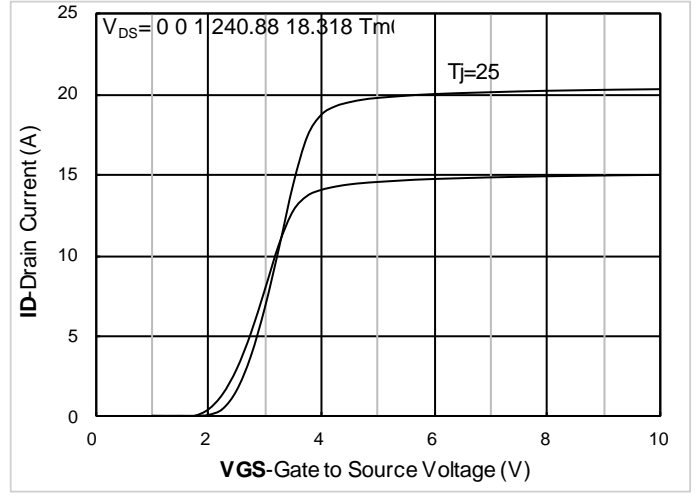
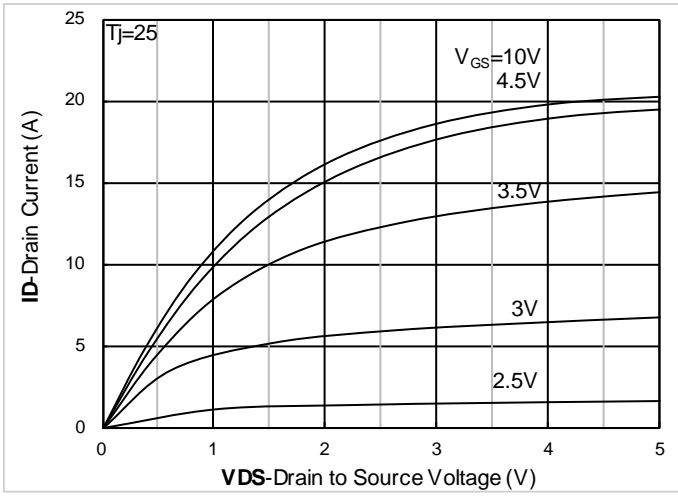


Figure 1. Output Characteristics;

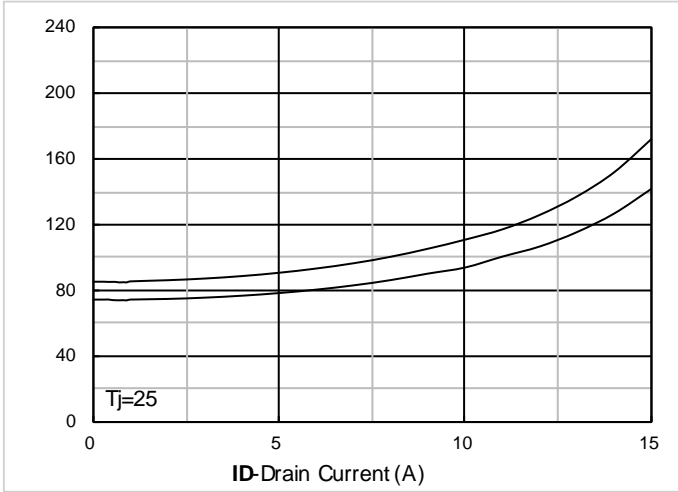


Figure 7. RDS(on) vs. Drain Current; typical values

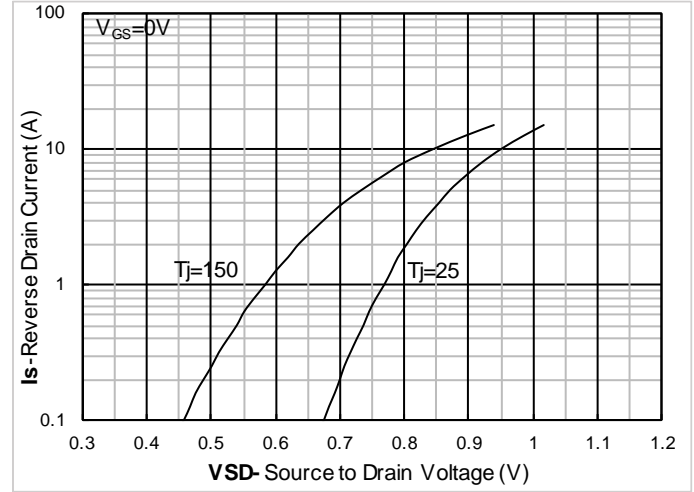


Figure 8. Forward characteristics of reverse diode; typical values

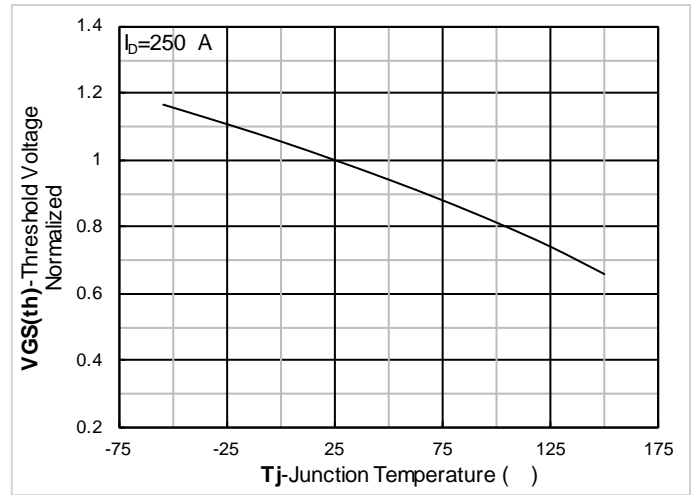


Figure 9. Normalized breakdown voltage

Figure 10. Normalized Threshold voltage

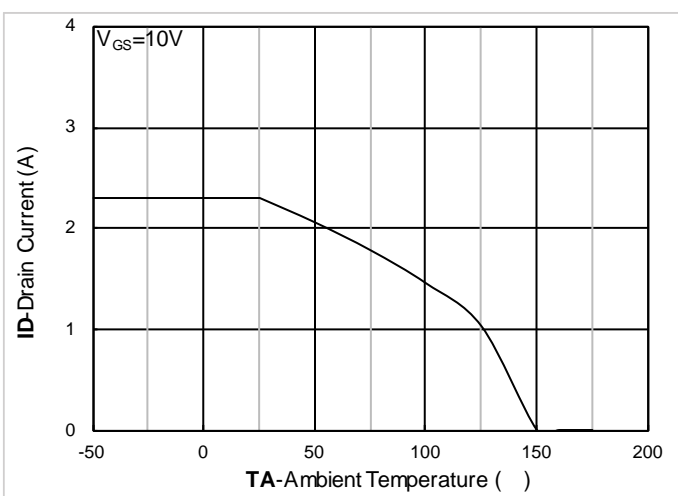


Figure 11. Current dissipation

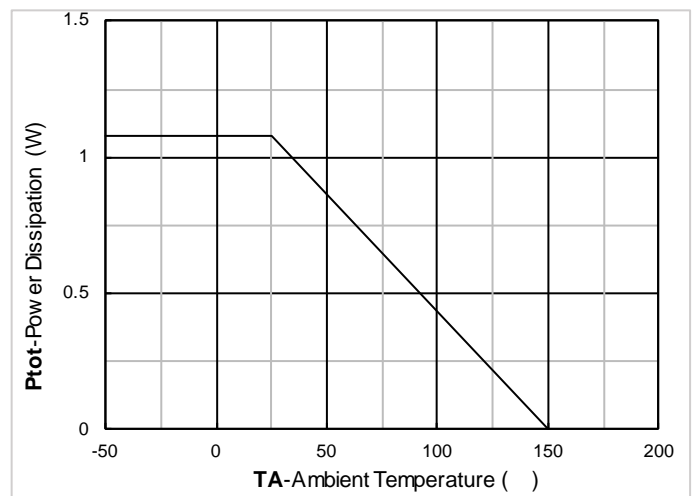


Figure 12. Power dissipation

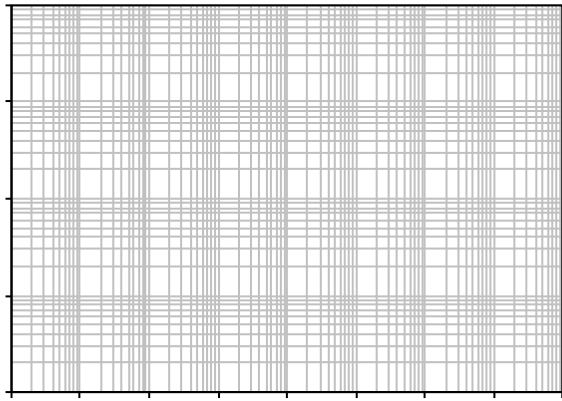


Figure 13. Maximum Transient Thermal Impedance

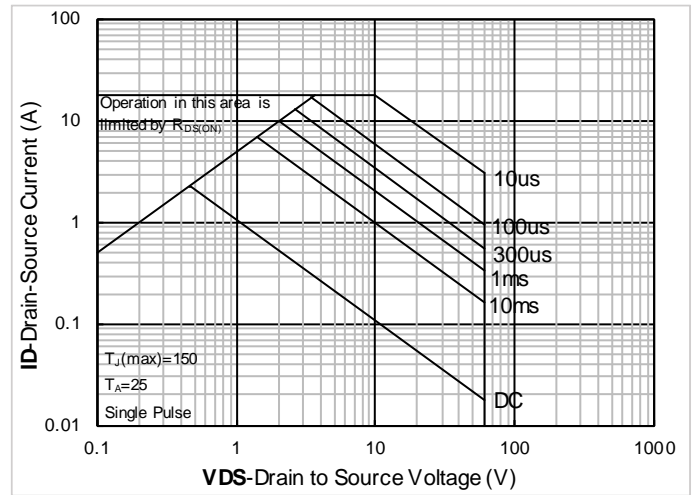
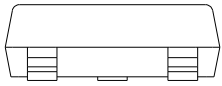
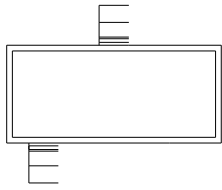


Figure 14. Safe Operation Area



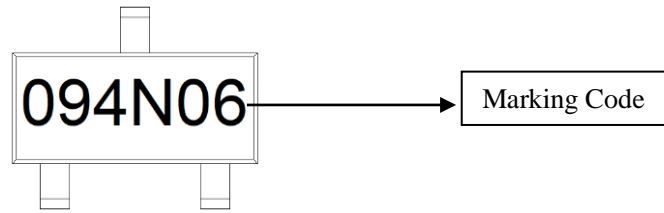
SOT-23 Package Information



UNIT mm



Marking Information



Note

1. All marking is at middle of the product body
2. All marking is in laser printing
3. 094N06 is marking code
4. Body color: Black

