

YJG30N04AQ

Electrical Characteristics (T_J=25 °C unless otherwise noted)

	Symbol	Conditions	Min	Typ	Max	Units
Static						
Drain-Source Voltage	BV _{DSS}	V _{GS} =0V, I _D	40			V
Zero-Bias Drain Current	I _{DSS}	V _{DS} =40V, V _{GS} =0V			1	mA
Gate-Source Voltage	V _{GS}	V _{GS} < V _{GS} (max)				V



Typical Electrical and Thermal Characteristics Diagrams

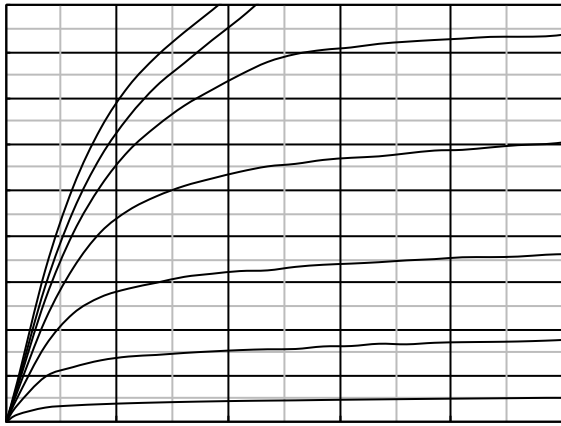


Figure 1. Output Characteristics

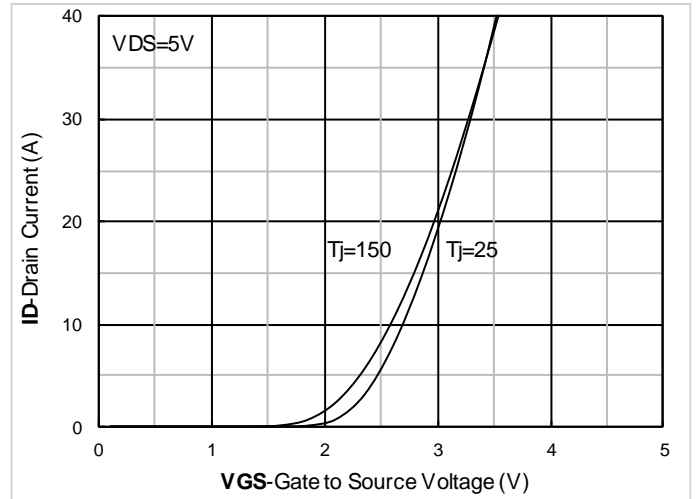


Figure 2. Transfer Characteristics

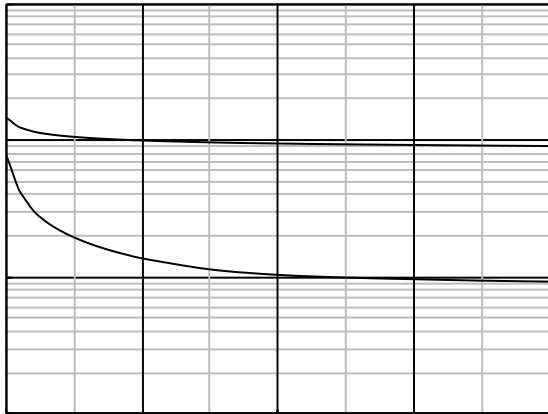


Figure 3. Capacitance Characteristics

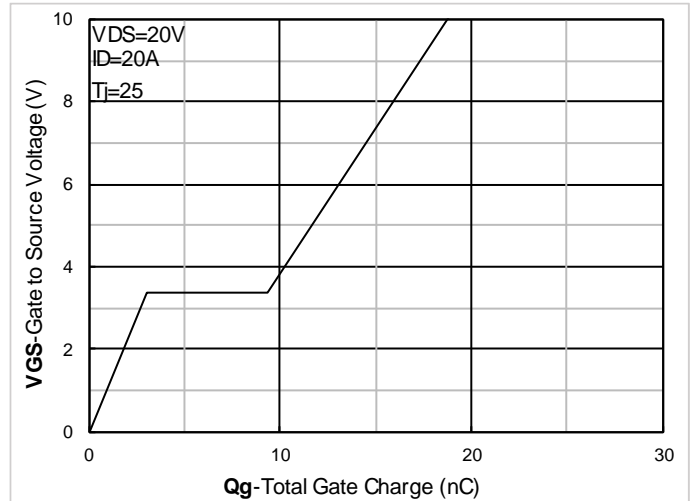


Figure 4. Gate Charge

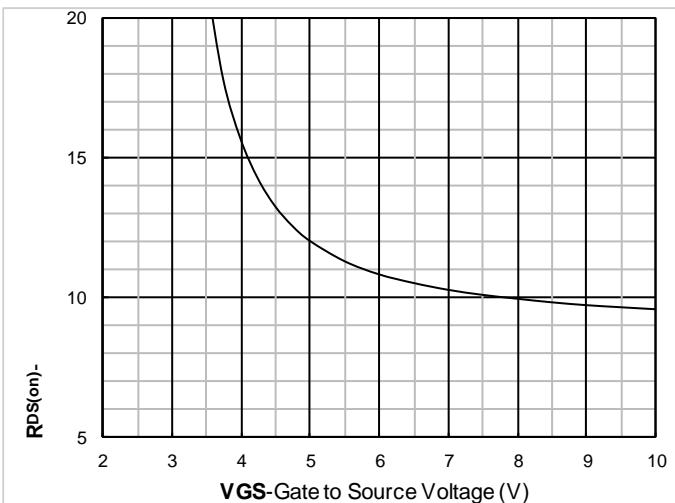


Figure 5. On-Resistance vs Gate to Source Voltage

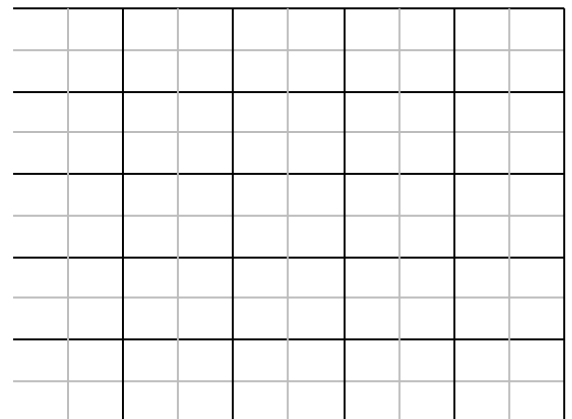


Figure 6. Normalized On-Resistance

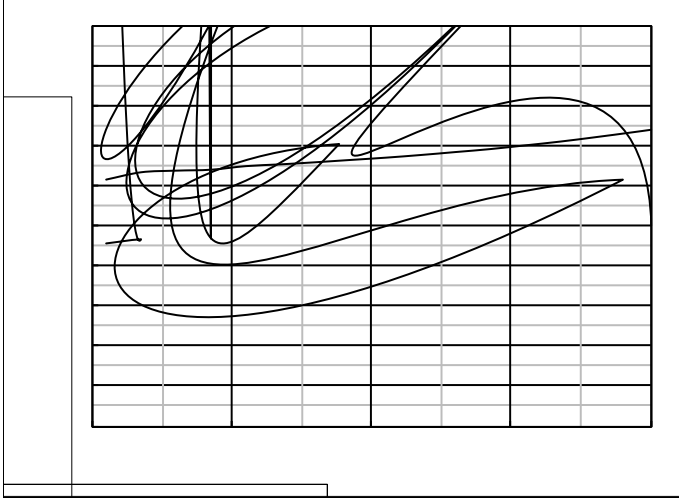


Figure 7. $R_{DS(on)}$ VS Drain Current

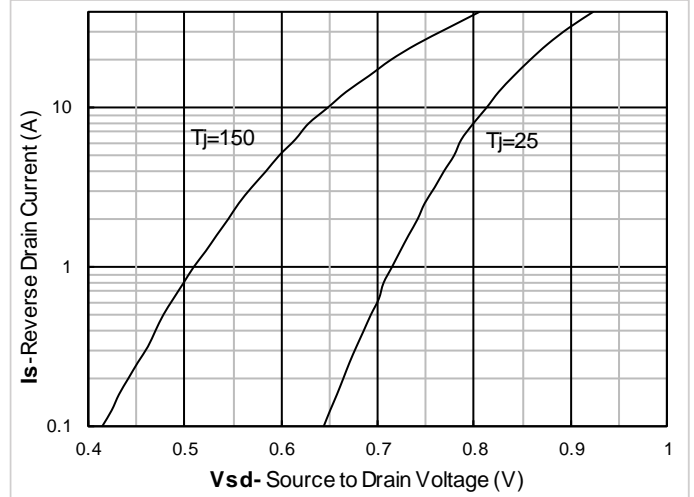


Figure 8. Forward characteristics of reverse diode

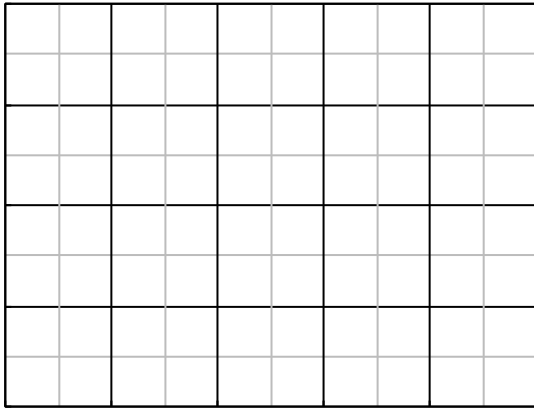


Figure 9. Normalized breakdown voltage

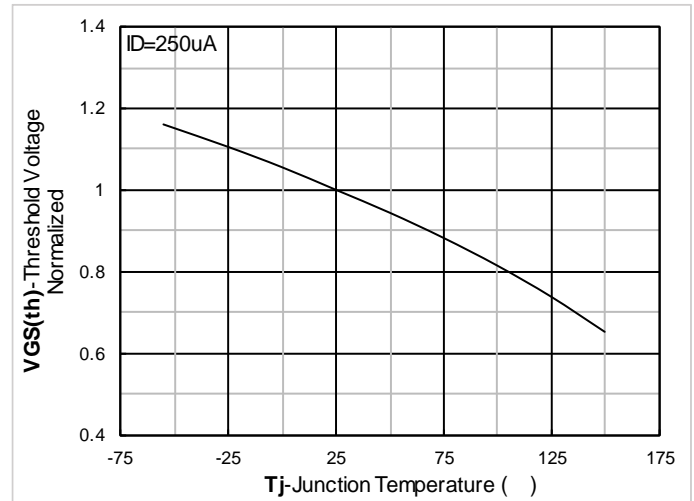


Figure 10. Normalized Threshold voltage

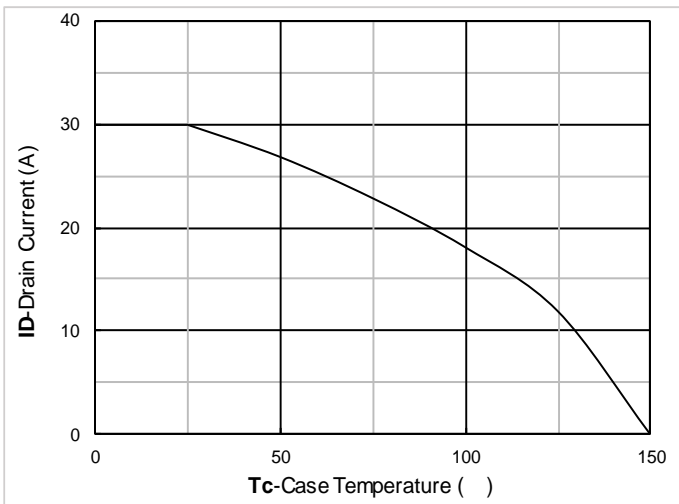


Figure 11. Current dissipation



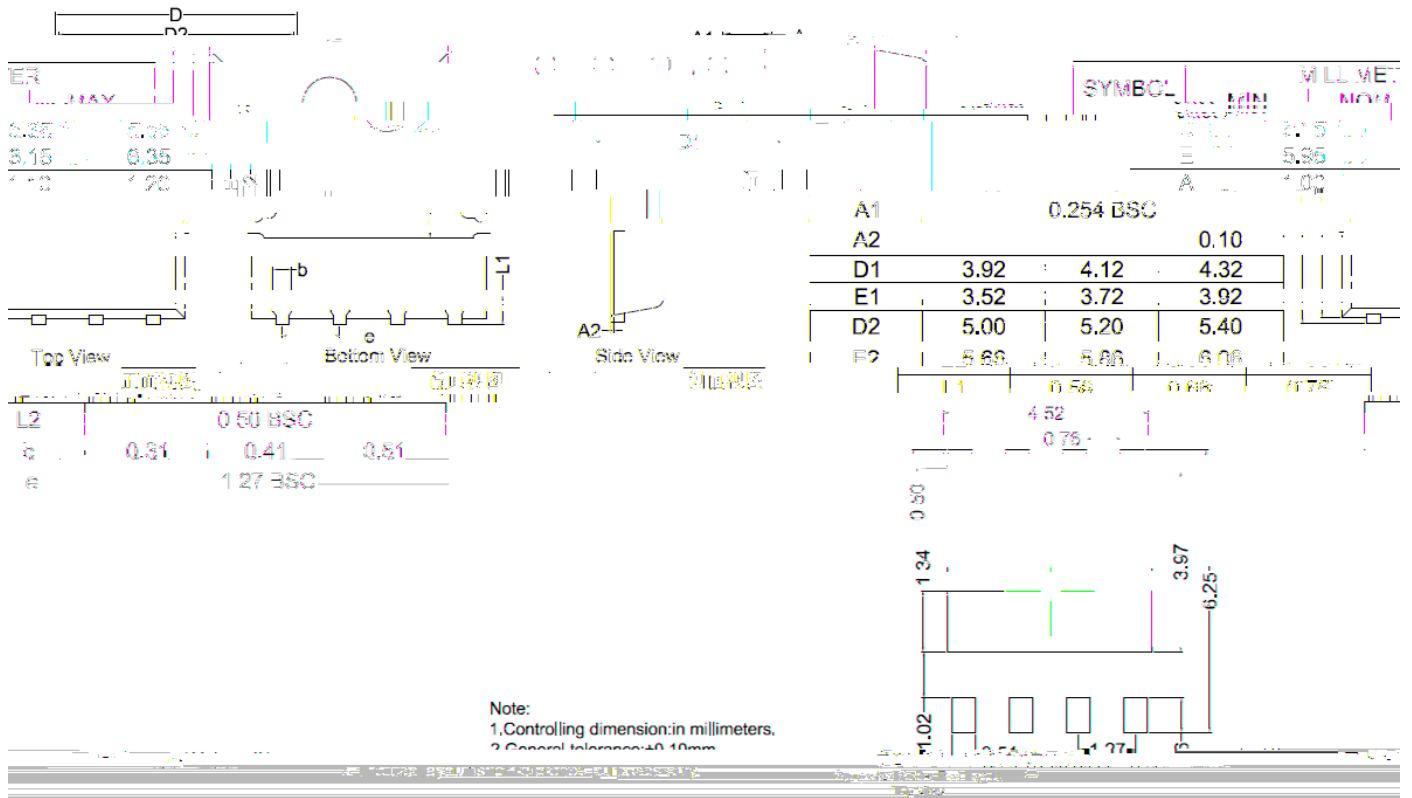
Figure 12. Power dissipation





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PDFN5060-8L-1.1MM Package information





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