



YJS12G10B

Electrical Characteristics ($T_J=25$ unless otherwise noted)

Parameter	Symbol	Conditions	Min	Typ	Max	Units
Static Parameter						
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V, I_D$	100	-	-	V

Typical Electrical and Thermal Characteristics Diagrams

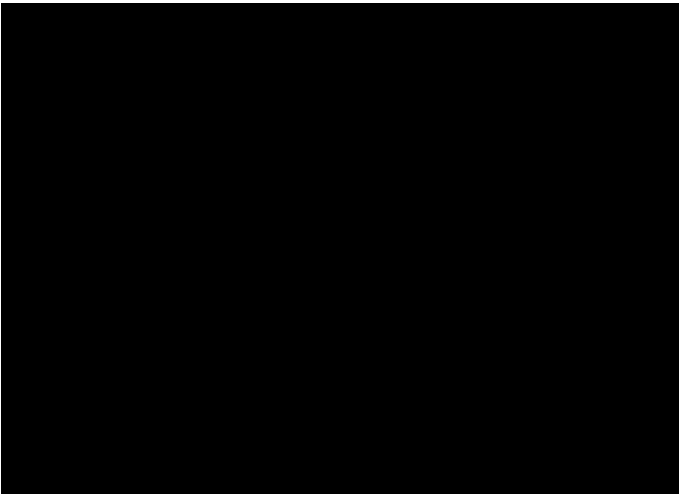


Figure 1. Output Characteristics

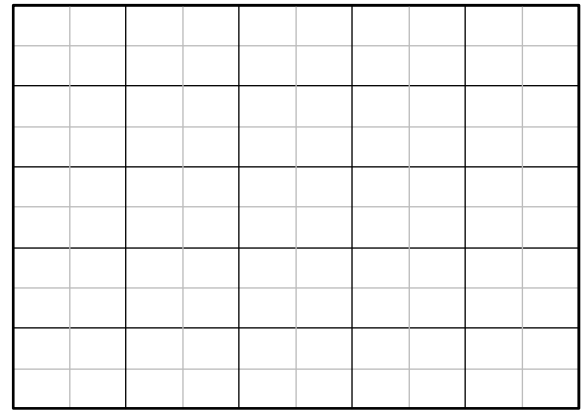


Figure 2. Transfer Characteristics

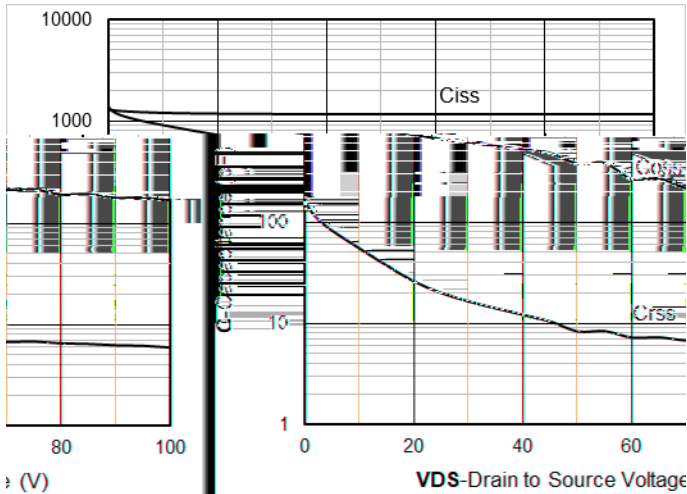


Figure 3. Capacitance Characteristics

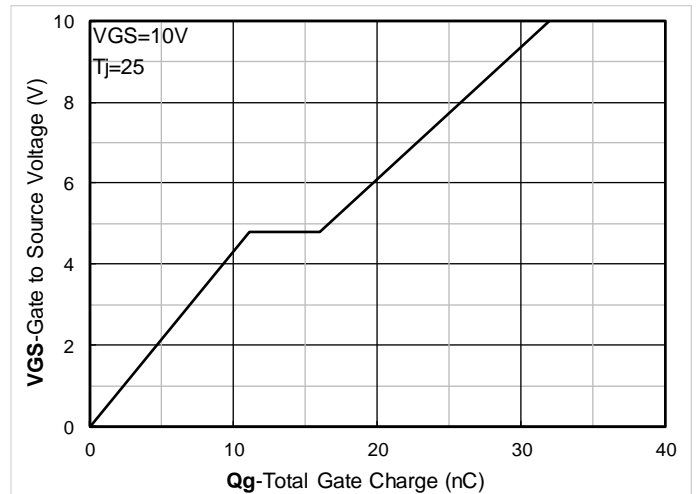


Figure 4. Gate Charge

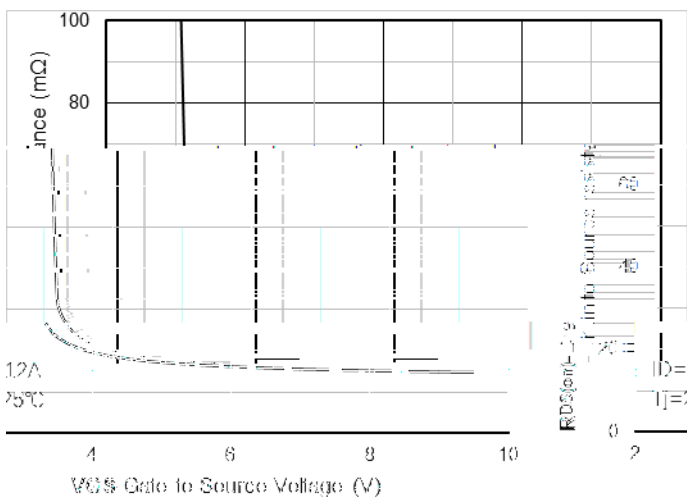


Figure 5. On-Resistance vs Gate to Source Voltage

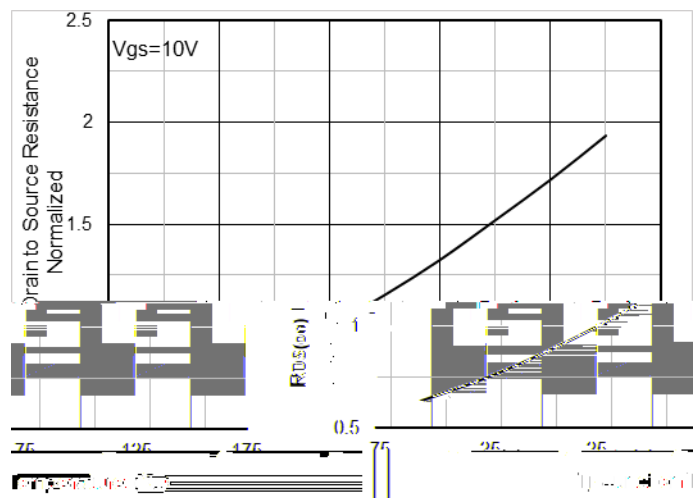


Figure 6. Normalized On-Resistance

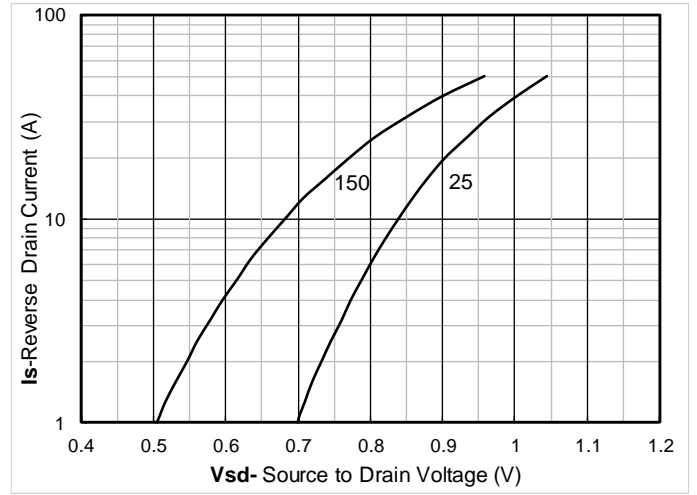


Figure 8. Forward characteristics of reverse diode

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

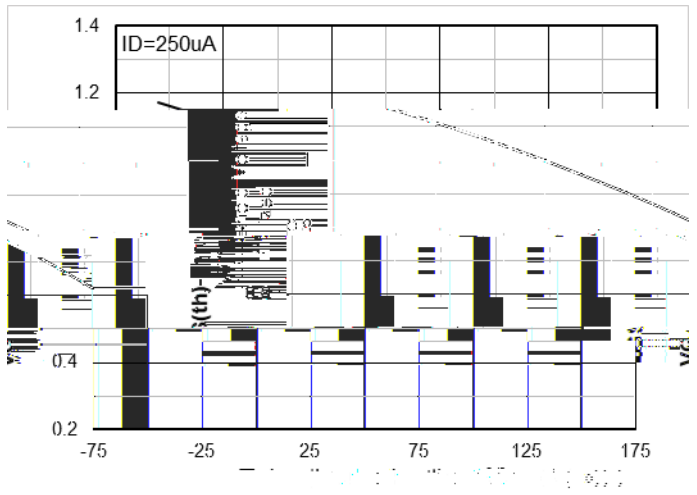


Figure 10. Normalized Threshold voltage

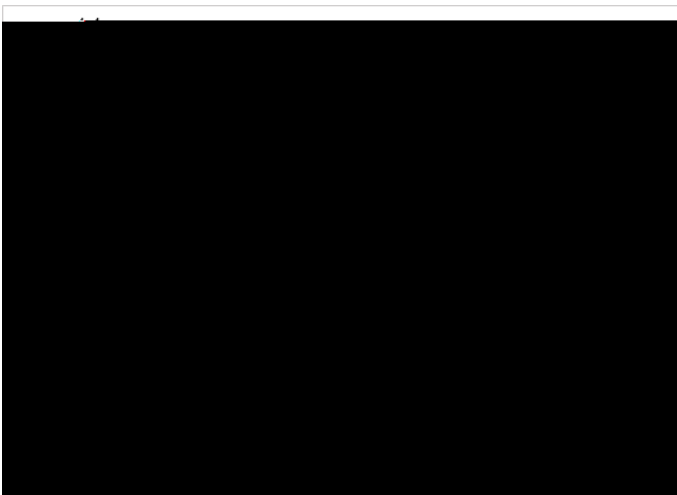


Figure 9. Normalized breakdown voltage

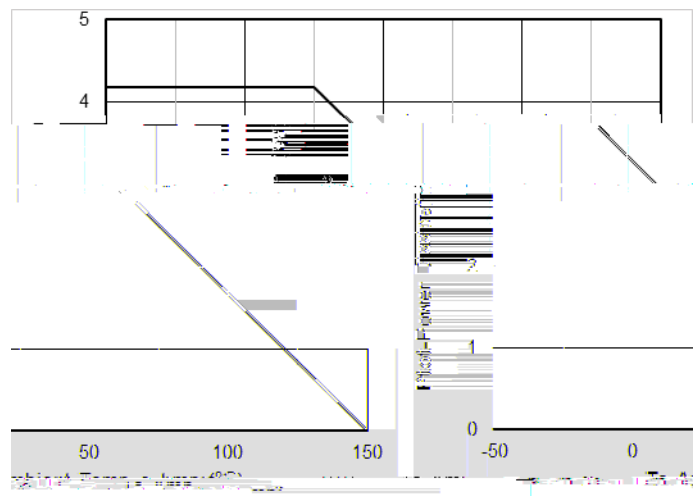


Figure 12. Power dissipation

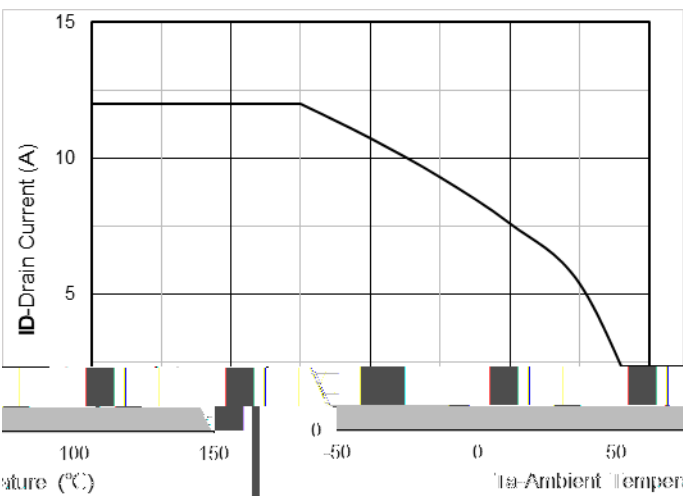


Figure 11. Current dissipation

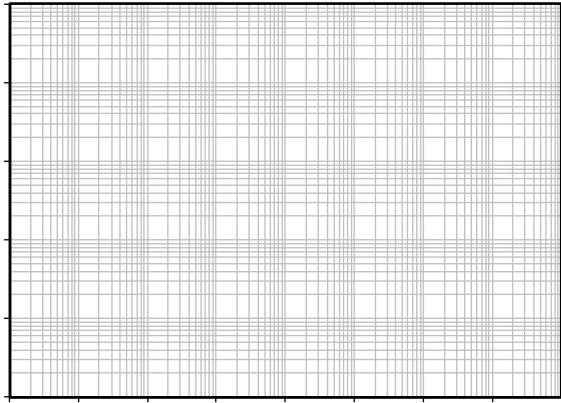


Figure 13. Maximum Transient Thermal Impedance

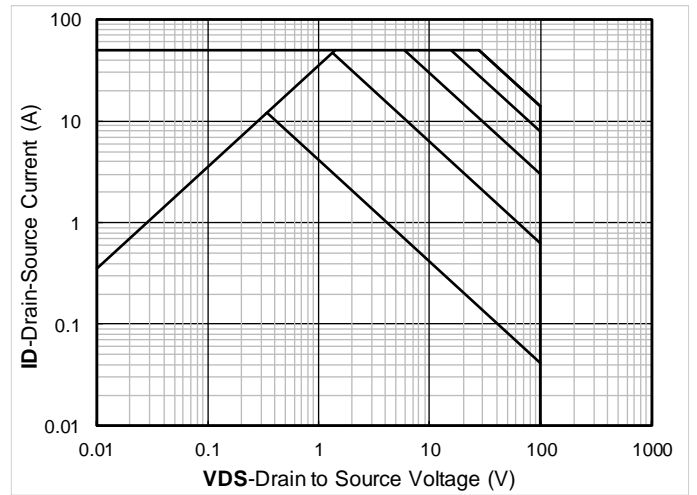


Figure 14. Safe Operation Area



SOP8 Package information

SYMBOL	MIN.		
	0.053	0.069	
B	0.004	0.010	
		0.061	
D		0.020	
E			
F			
G	0.050BSC		1.270BSC
H			
J			
K			

