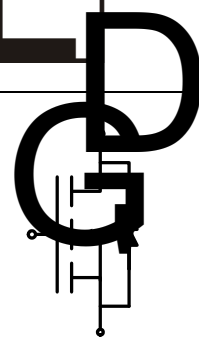
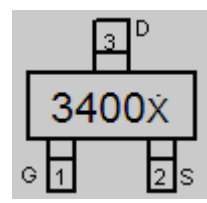




Description
 General Information
 Pin Configuration



Schematic diagram



Marking and pin assignment



SOT-23 top view

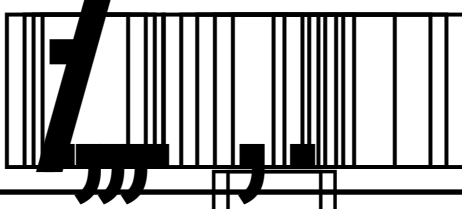
Device	Device Package	Reel	Tap width	Quantity

Absolute Maximum Ratings ($T_A=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Limit	Unit
Operating Voltage	V_{DD}	5.5	V
Operating Current	I_{DD}	10	mA
Storage Temperature	T_{STG}	-40 to 125	$^\circ\text{C}$
Thermal Characteristic	θ_{JA}	2	$^\circ\text{C}/\text{W}$

Electrical Characteristics ($T_A=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Operating Current	I_{DD}		10	15	20	μA



Typical Electrical and Thermal Characteristics

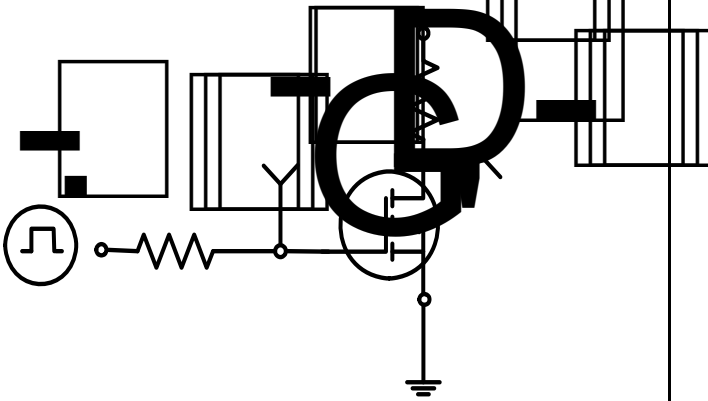


Figure 1: Switching Test Circuit



Figure 2: Switching Waveforms

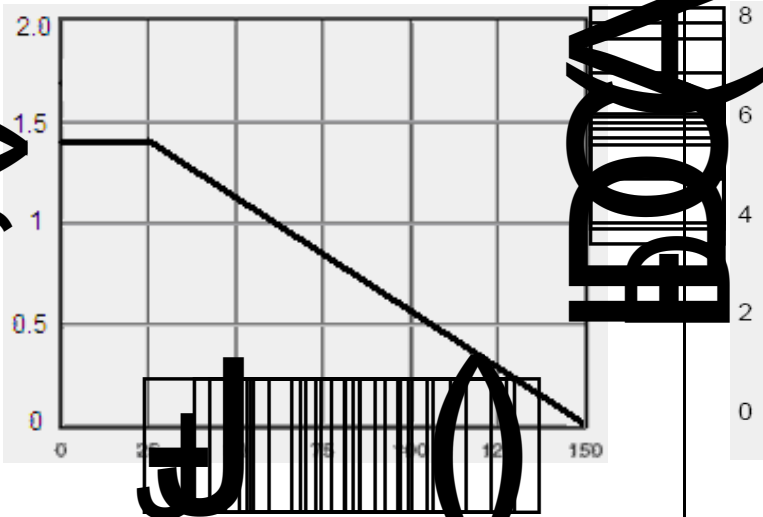


Figure 3 Power Dissipation



Figure 4 Drain Current

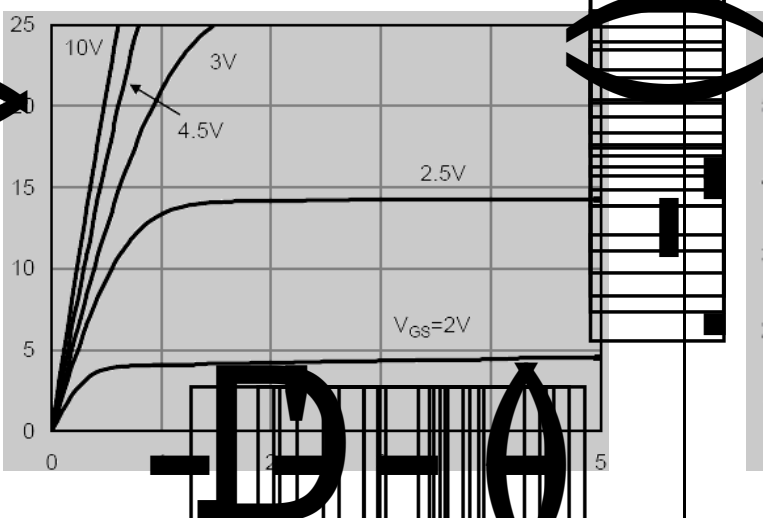


Figure 5 Output Characteristics

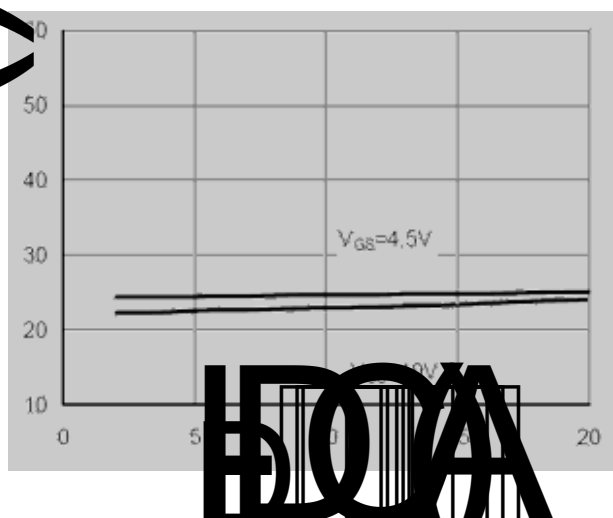


Figure 6 Drain-Source On-Resistance

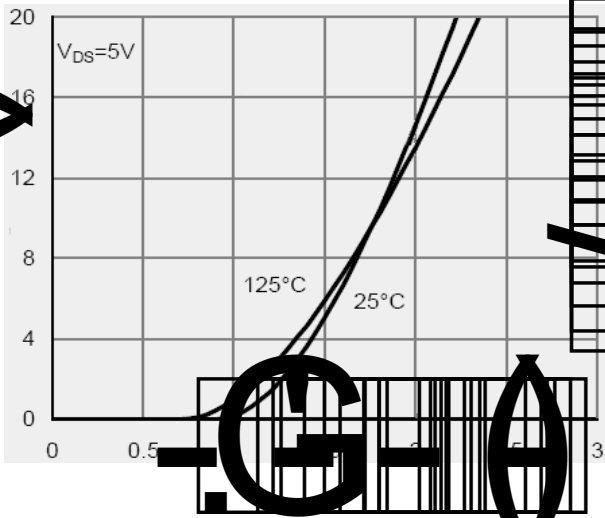


Figure 7 Transfer Characteristics

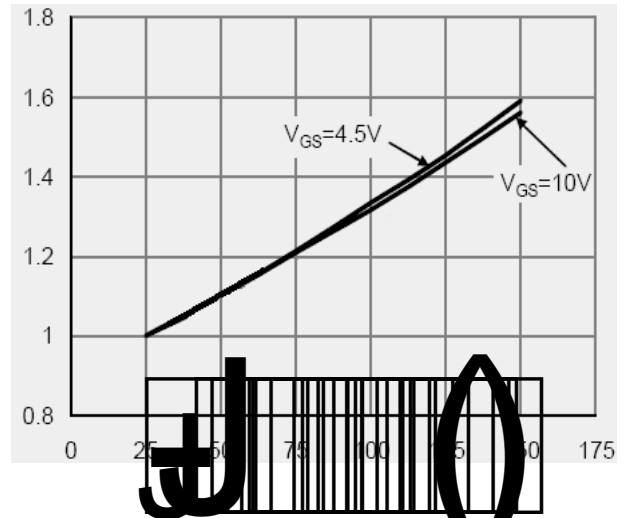


Figure 8 Drain-Source On-Resistance

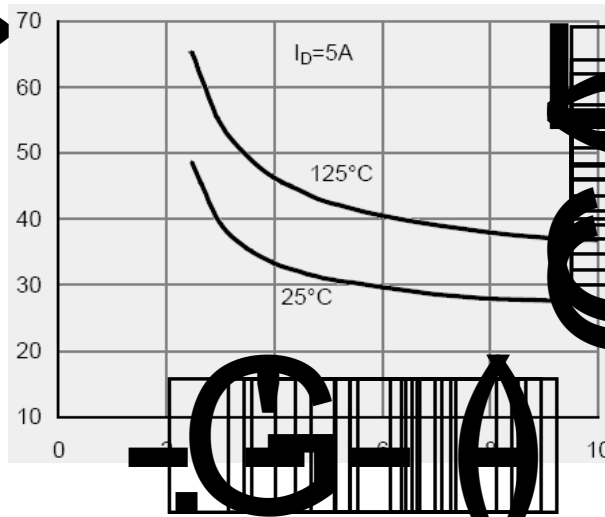


Figure 9 $R_{DS(on)}$ vs V_{GS}

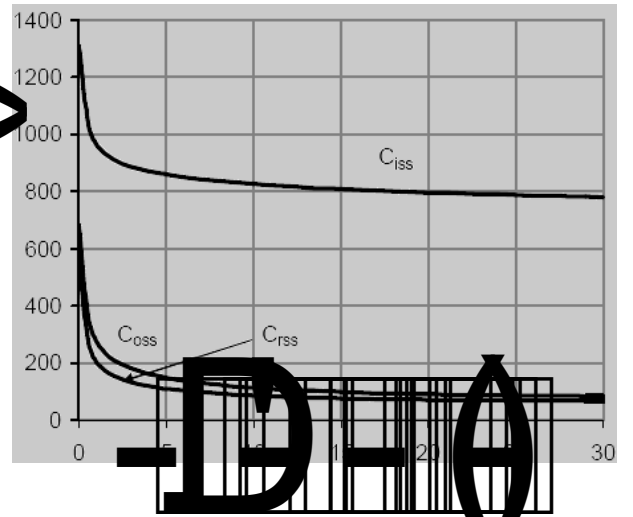


Figure 10 Capacitance vs I_D



Figure 11 Gate Charge

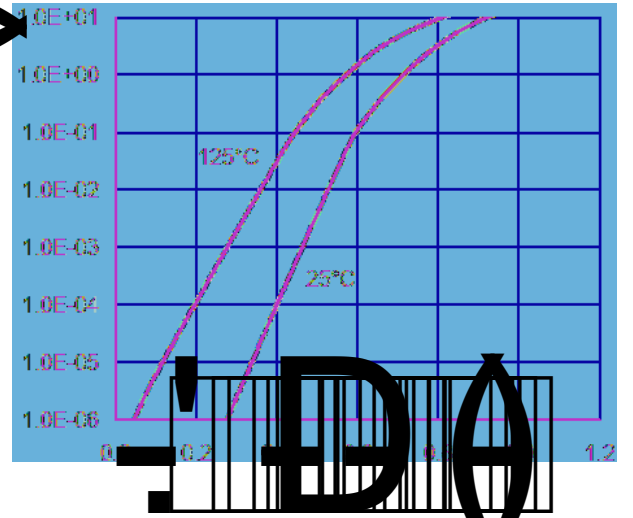


Figure 12 Source-Drain Diode Forward

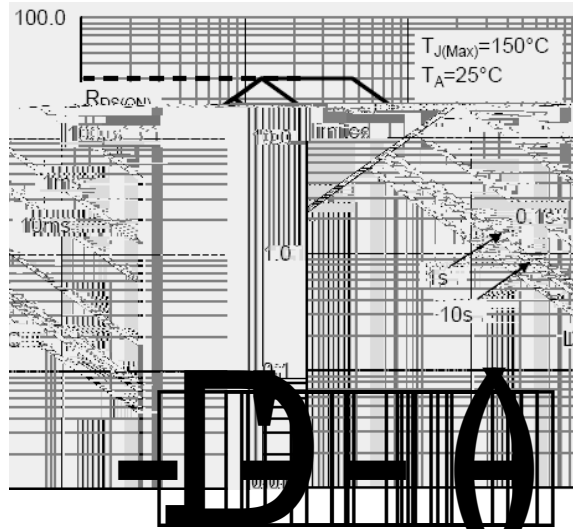


Figure 13 Safe Operation Area

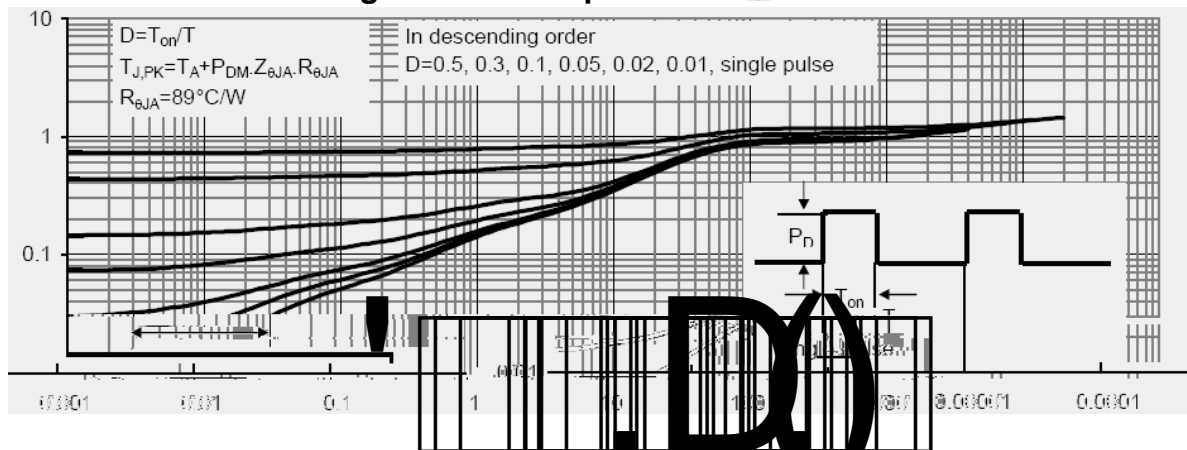
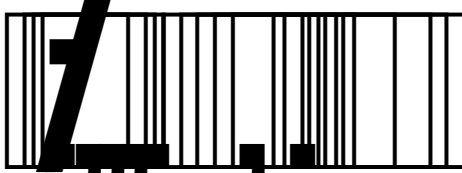


Figure 14 Normalized Maximum Transient Thermal Impedance



Attention

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