



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

Parameter	Symbol	Conditions	Min	Typ	Max	Units
Static Parameter						
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V, I_D=-250$	-60			V
Zero Gate Voltage Drain Current	I_{DSS}	$V_{DS}=-60V, V_{GS}=0V$			-1	
Gate-Body Leakage Current	I_{GSS}	$V_{GS}=\pm 20V, V_{DS}=0V$			± 100	nA
Gate Threshold Voltage	$V_{GS(th)}$	$V_{DS}=V_{GS}, I_D=-250$	-0.9	-1.4	-2.0	V
Static Drain-Source On-Resistance	$R_{DS(on)}$	$V_{GS}=-10V, I_D=-0.15A$		3.3	8	
		$V_{GS}=-4.5V, I_D=-0.15A$		3.5	9.9	
Diode Forward Voltage	V_{SD}	$I_S=-0.17A, V_{GS}=0V$			-1.2	V
Maximum Body-Diode Continuous Current	I_S				-0.17	A
Dynamic Parameters						



Typical Performance Characteristics

Figure1. Output Characteristics

Figure2. Transfer Characteristics

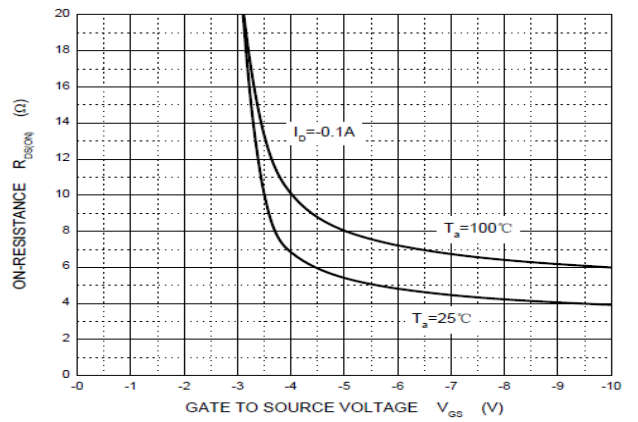
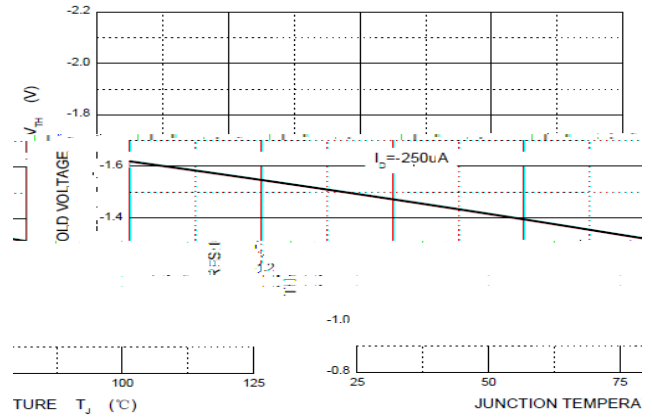


Figure3. Drain-Source on Resistance

Figure4. Drain-Source on Resistance



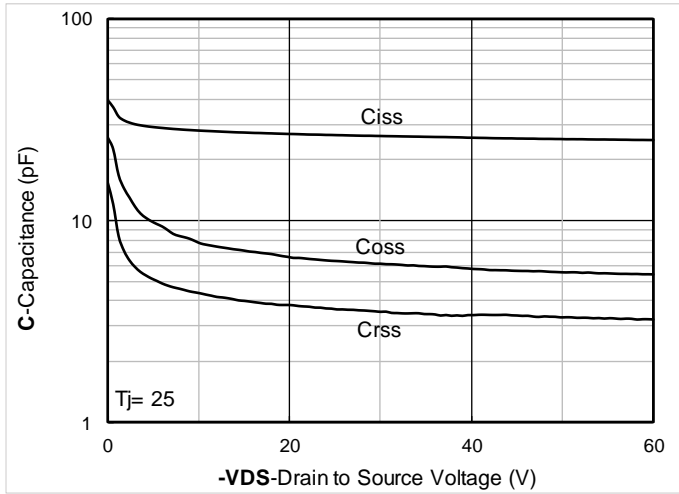


Figure7. Capacitance Characteristics

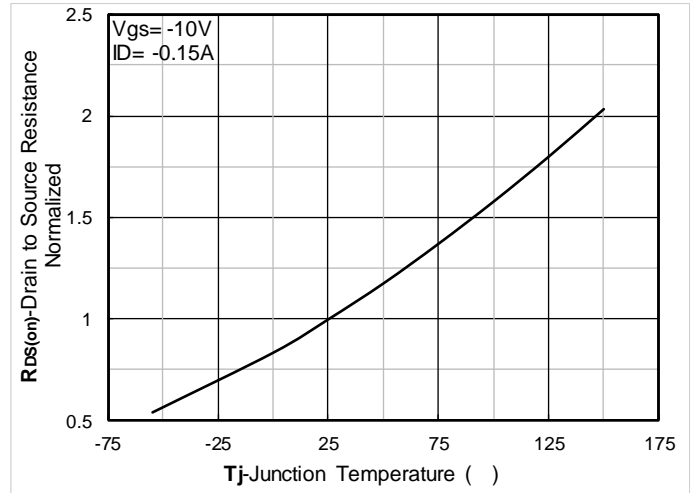


Figure8. Normalized On-Resistance



SOT-23 Package information



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