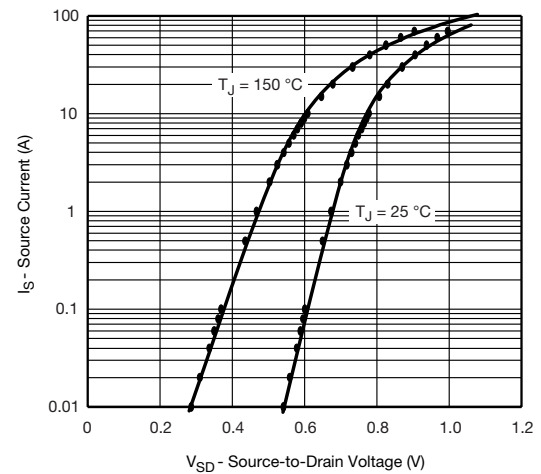
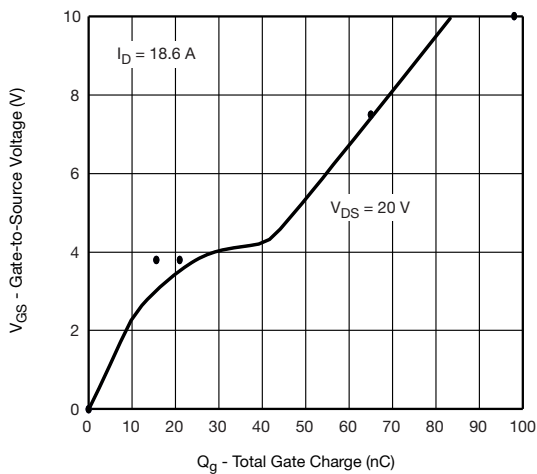
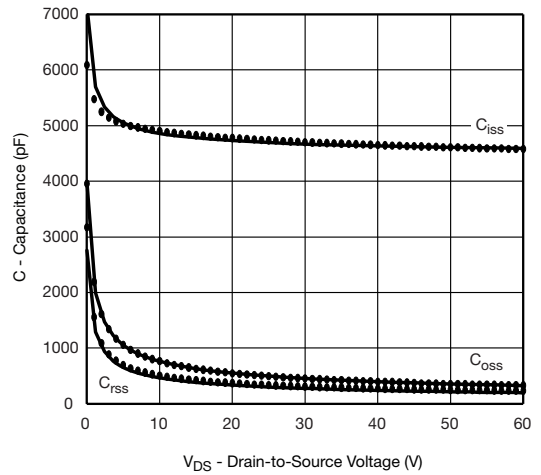
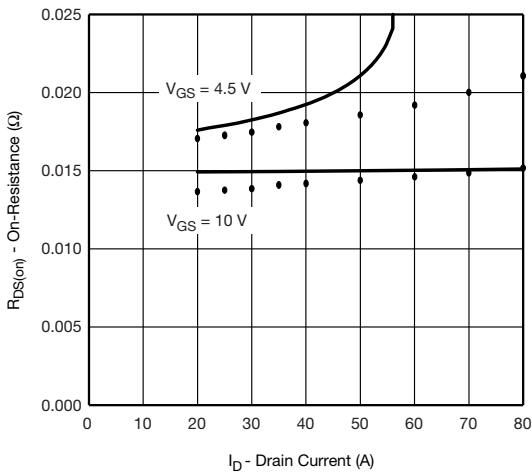
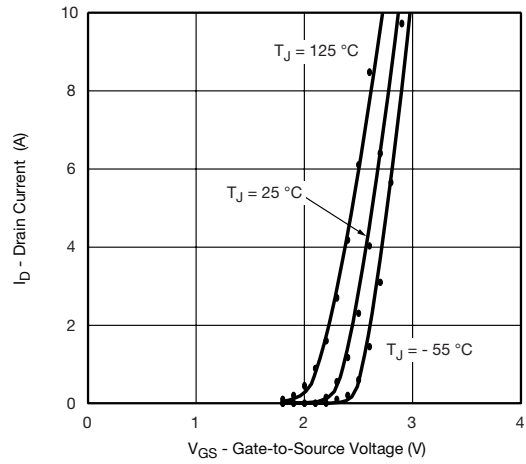
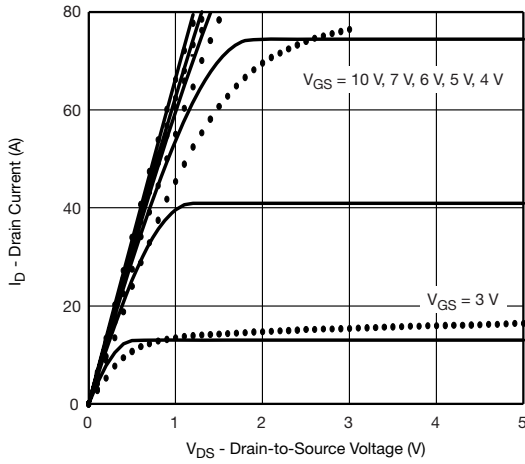


SPECIFICATIONS $T_J = 25\text{ }^\circ\text{C}$, unless otherwise noted					
PARAMETER	SYMBOL	TEST CONDITIONS	SIMULATED DATA	MEASURED DATA	UNIT
Static					
Gate-Source Threshold Voltage	$V_{GS(th)}$	$V_{DS} = V_{GS}, I_D = -250\text{ }\mu\text{A}$	1.7	-	V
Drain-Source On-State Resistance ^a	$R_{DS(on)}$	$V_{GS} = -10\text{ V}, I_D = -17\text{ A}$	0.014	0.012	Ω
		$V_{GS} = -4.5\text{ V}, I_D = -14\text{ A}$	0.017	-	
Forward Transconductance ^a	g_{fs}	$V_{DS} = -15\text{ V}, I_D = -17\text{ A}$	45	61	S
Diode Forward Voltage	V_{SD}	$I_S = -5\text{ A}$	-0.74	-0.80	V
Dynamic^b					
Input Capacitance	C_{iss}	$V_{DS} = -20\text{ V}, V_{GS} = 0\text{ V}, f = 1\text{ MHz}$	4670	4700	pF
Output Capacitance	C_{oss}		455	455	
Reverse Transfer Capacitance	C_{rss}		275	310	
Total Gate Charge	Q_g	$V_{DS} = -20\text{ V}, V_{GS} = -10\text{ V}, I_D = -50\text{ A}$	95	98	nC
Gate-Source Charge	Q_{gs}		15	15	
Gate-Drain Charge	Q_{gd}		21	21	

Notes

- a. Pulse test; pulse width $\leq 300\text{ }\mu\text{s}$, duty cycle $\leq 2\%$.
- b. Guaranteed by design, not subject to production testing.

COMPARISON OF MODEL WITH MEASURED DATA $T_J = 25\text{ }^\circ\text{C}$, unless otherwise noted



Note

Dots and squares represent measured data.



Disclaimer

All product specifications and data are subject to change without notice.

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