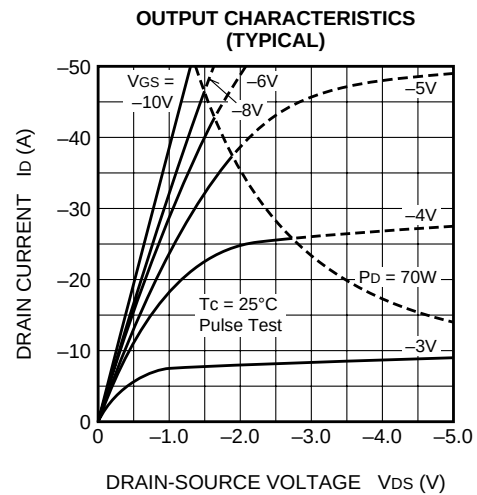
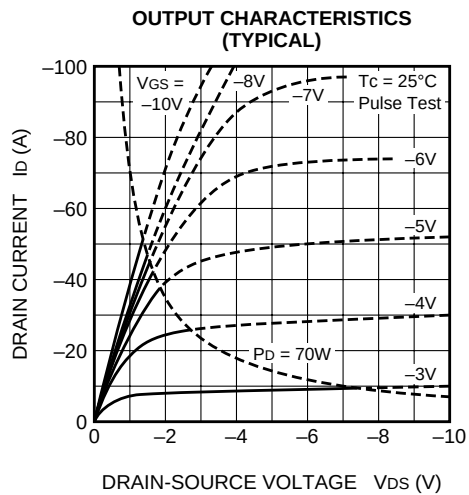
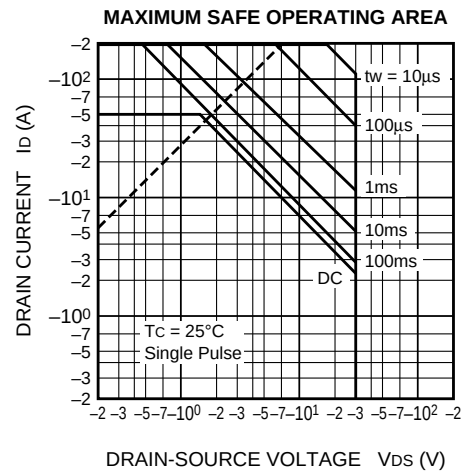
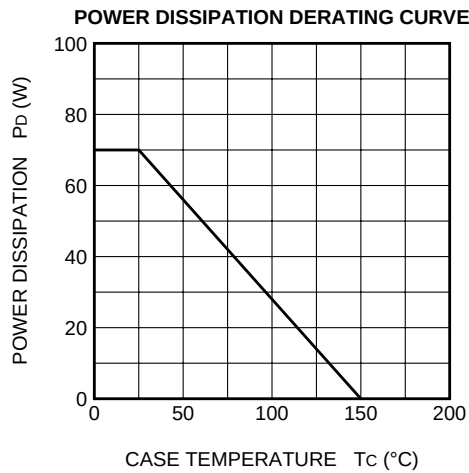


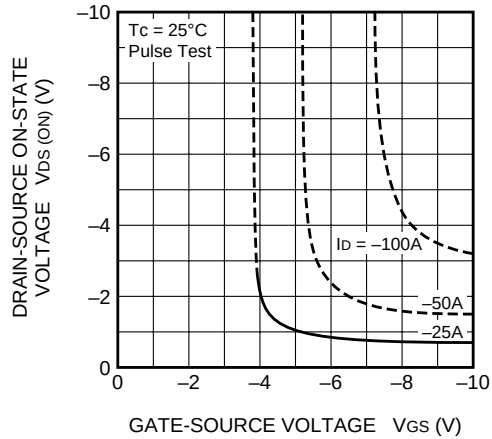
ELECTRICAL CHARACTERISTICS (Tch = 25°C)

Symbol	Parameter	Test conditions	Limits			Unit
			Min.	Typ.	Max.	
V (BR) DSS	Drain-source breakdown voltage	Id = -1mA, VDs = 0V	-30	—	—	V
IGSS	Gate-source leakage current	VGS = ±20V, VDS = 0V	—	—	±0.1	μA
IDSS	Drain-source leakage current	VDS = -30V, VGS = 0V	—	—	-0.1	mA
VGS (th)	Gate-source threshold voltage	Id = -1mA, VDS = -10V	-1.3	-1.8	-2.3	V
rDS (ON)	Drain-source on-state resistance	Id = -25A, VGS = -10V	—	28	35	mΩ
rDS (ON)	Drain-source on-state resistance	Id = -9A, VGS = -4V	—	54	72	mΩ
VDs (ON)	Drain-source on-state voltage	Id = -25A, VGS = -10V	—	-0.70	-0.88	V
yfs	Forward transfer admittance	Id = -25A, VDS = -10V	—	23	—	S
Ciss	Input capacitance	VDS = -10V, VGS = 0V, f = 1MHz	—	4270	—	pF
Coss	Output capacitance		—	695	—	pF
Crss	Reverse transfer capacitance		—	342	—	pF
td (on)	Turn-on delay time	VDD = -15V, Id = -25A, VGS = -10V, RGEN = RGS = 50Ω	—	21	—	ns
tr	Rise time		—	103	—	ns
td (off)	Turn-off delay time		—	223	—	ns
tf	Fall time		—	122	—	ns
VSD	Source-drain voltage	Is = -25A, VGS = 0V	—	-1.0	-1.5	V
Rth (ch-c)	Thermal resistance	Channel to case	—	—	1.79	°C/W
trr	Reverse recovery time	Is = -25A, dis/dt = 50A/μs	—	55	—	ns

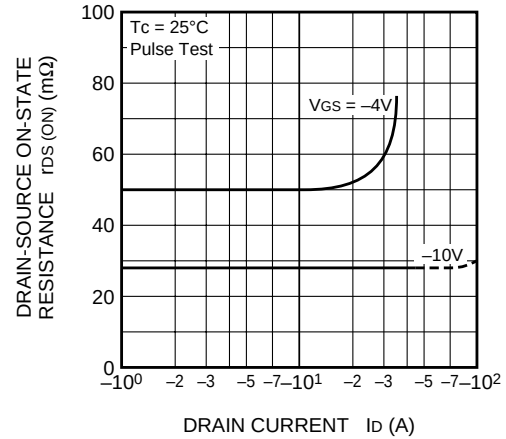
PERFORMANCE CURVES



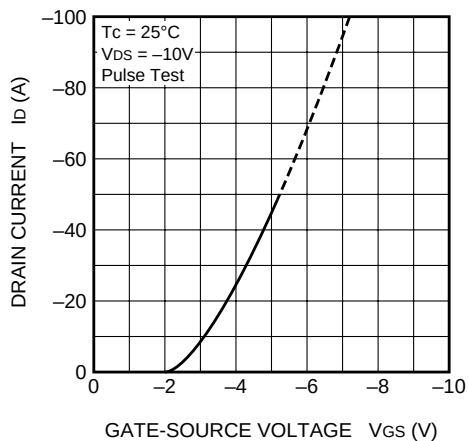
**ON-STATE VOLTAGE VS.
GATE-SOURCE VOLTAGE
(TYPICAL)**



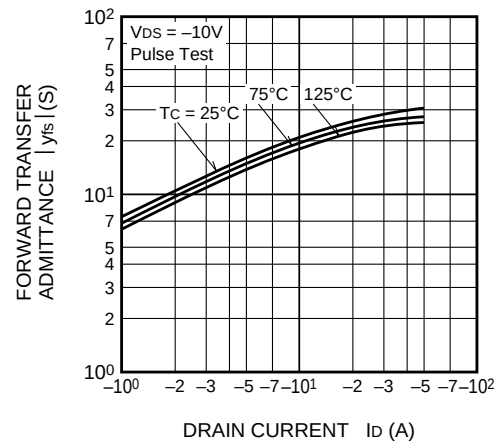
**ON-STATE RESISTANCE VS.
DRAIN CURRENT
(TYPICAL)**



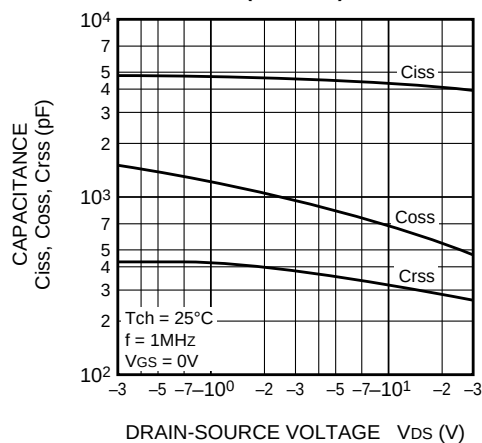
**TRANSFER CHARACTERISTICS
(TYPICAL)**



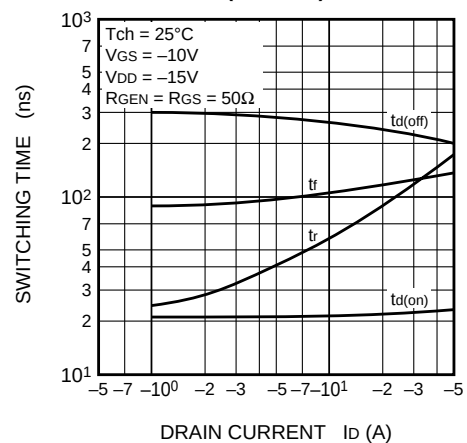
**FORWARD TRANSFER ADMITTANCE
VS. DRAIN CURRENT
(TYPICAL)**



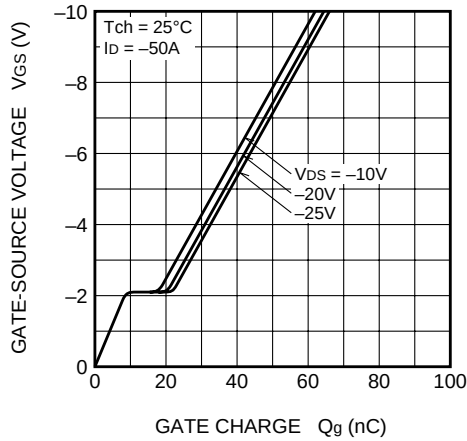
**CAPACITANCE VS.
DRAIN-SOURCE VOLTAGE
(TYPICAL)**



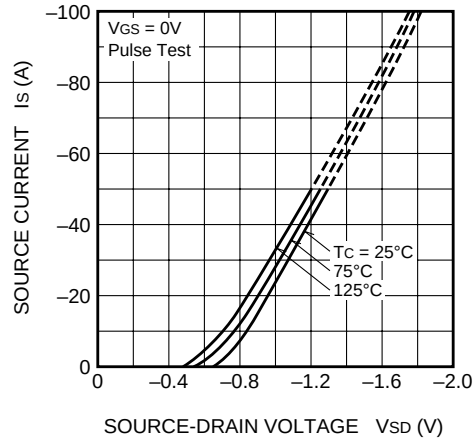
**SWITCHING CHARACTERISTICS
(TYPICAL)**



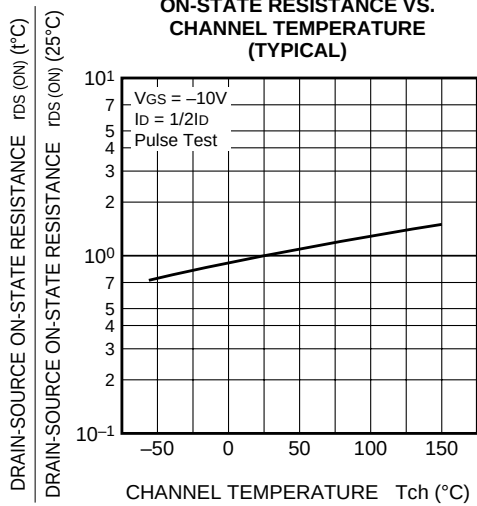
**GATE-SOURCE VOLTAGE
 VS. GATE CHARGE
 (TYPICAL)**



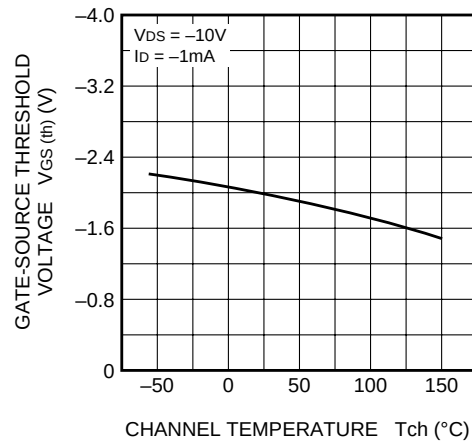
**SOURCE-DRAIN DIODE
 FORWARD CHARACTERISTICS
 (TYPICAL)**



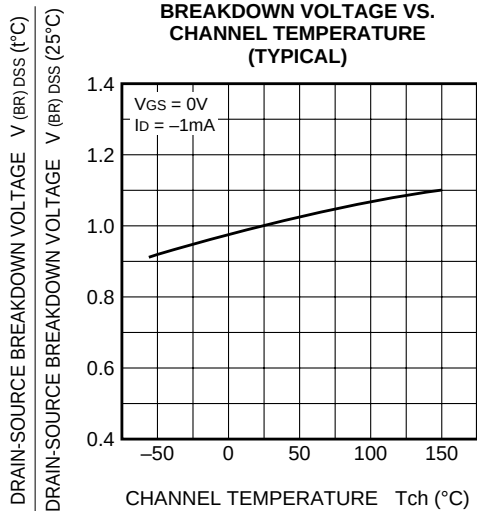
**ON-STATE RESISTANCE VS.
 CHANNEL TEMPERATURE
 (TYPICAL)**



**THRESHOLD VOLTAGE VS.
 CHANNEL TEMPERATURE
 (TYPICAL)**



**BREAKDOWN VOLTAGE VS.
 CHANNEL TEMPERATURE
 (TYPICAL)**



**TRANSIENT THERMAL IMPEDANCE
 CHARACTERISTICS**

