

ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	$V_{(BR)DSS}$	$V_{GS}=0V, I_D=10\mu A$	60	70		V
Gate-Threshold Voltage ⁽³⁾	$V_{GS(th)}$	$V_{DS}=V_{GS}, I_D=250\mu A$	1.0		2.0	V
Gate-Body Leakage	I_{GSS}	$V_{DS}=0V, V_{GS}=\pm 20V$			± 10	μA
Zero Gate Voltage Drain Current	I_{DSS}	$V_{DS}=60V, V_{GS}=0V, T_C=25^\circ C$			1.0	μA
		$V_{DS}=60V, V_{GS}=0V, T_C=125^\circ C$			500	
On-State Drain Current	$I_{D(on)}$	$V_{DS}=7.5V, V_{GS}=10V$	500	1000		mA
Drain-Source On-Resistance ⁽³⁾	$R_{DS(on)}$	$V_{GS}=10V, I_D=300mA$		1.2	2.5	Ω
		$V_{GS}=4.5V, I_D=200mA$		1.3	3.0	
Forward Transconductance	g_{fs}	$V_{DS}=10V, I_D=200mA$	80			ms
Input Capacitance	C_{iss}	$V_{DS}=25V, V_{GS}=0V, f=1MHz$		22	50	pF
Output Capacitance	C_{oss}			11	25	
Reverse Transfer Capacitance	C_{rss}			2	5	
Turn-On Time	$t_{d(on)}$	$V_{DD}=30V, V_{GEN}=10V, R_L=150\Omega$ $, I_D=300mA, R_{GEN}=6\Omega$		3.3	20	ns
Turn-Off Time	$t_{d(off)}$			9.6	20	

Note: 2. Valid Provided That Terminals are Kept at Specified Ambient Temperature.

3. Pulse Test: Pulse Width $\leq 300\mu s$, Duty Cycle $\leq 2\%$.

Curve Characteristics

Fig. 1 - Output Characteristics

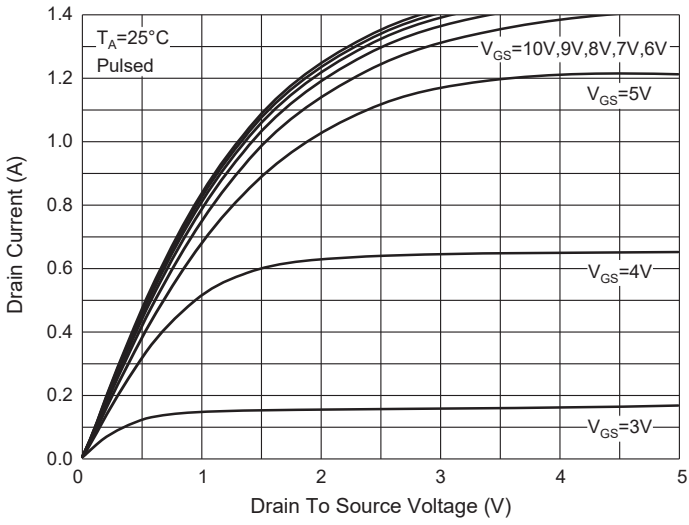


Fig. 2 - Transfer Characteristics

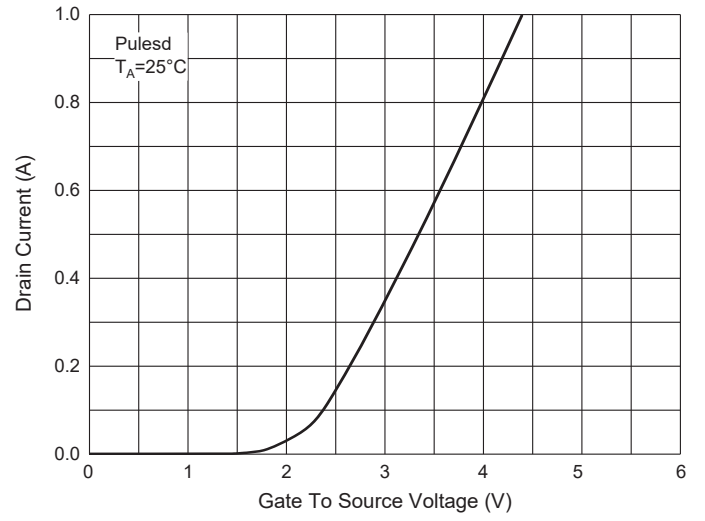


Fig. 3 - $R_{DS(ON)} - I_D$

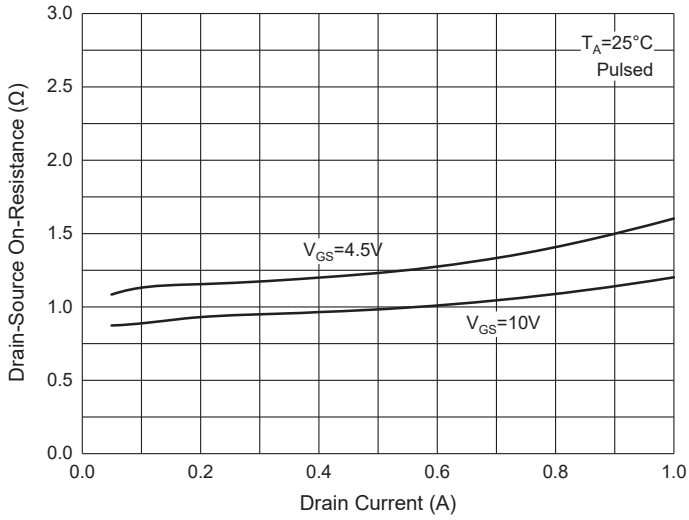


Fig. 3 - $R_{DS(ON)} - V_{GS}$

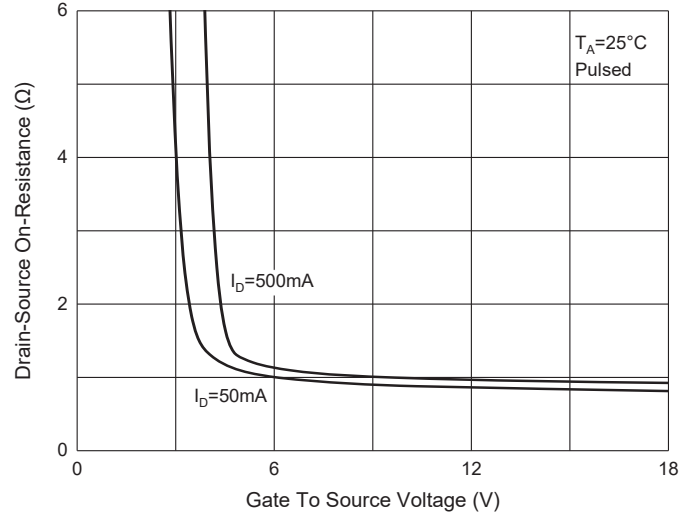
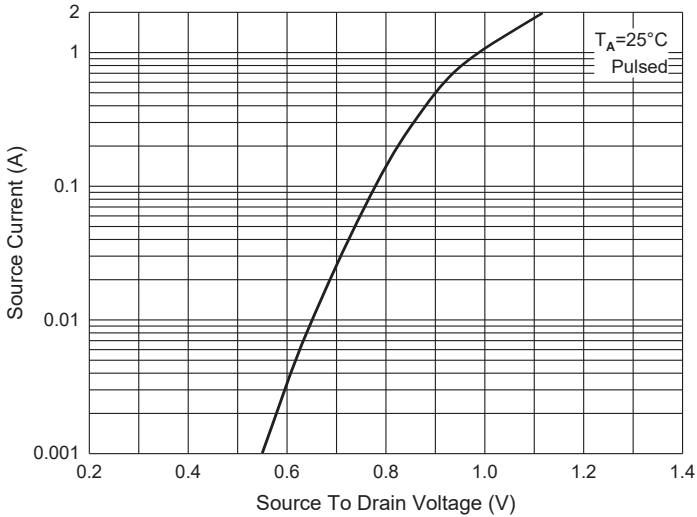


Fig. 5 - $I_S - V_{SD}$



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel:3Kpcs/Reel

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