

Electrical Characteristics @ 25°C (Unless Otherwise Specified)

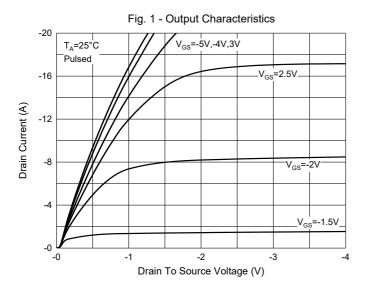
Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
Off Characteristics				1		
Drain-Source Breakdown Voltage	V _{(BR)DSS}	V _{GS} =0V, I _D =-250μA	-30			V
Zero Gate Voltage Drain Current	I _{DSS}	V _{DS} =-24V, V _{GS} =0V			-1	μA
Gate-Source Leakage Current	I _{GSS}	V _{DS} =0V, V _{GS} =±12V			±100	nA
On Characteristics ^(Note 2)						
Gate-Threshold Voltage	$V_{GS(th)}$	$V_{DS}=V_{GS}$, $I_D=-250\mu A$	-0.7		-1.3	V
Drain-Source On-Resistance		V _{GS} =-10V, I _D =-4.2A		41	60	mΩ
	R _{DS(on)}	V _{GS} =-4.5V, I _D =-4A		47	70	
		V _{GS} =-2.5V, I _D =-1A		61	85	
Forward Tranconductance	g _{FS}	V _{DS} =-5V, I _D =-5A	7			S
Dynamic Characteristics ^{(Note}	3)		•	•		
Input Capacitance	C _{iss}	V _{DS} =-15V,V _{GS} =0V,f =1MHz		1050		pF
Output Capacitance	C _{oss}			127		
Reverse Transfer Capacitance	C _{rss}			85		
Switching Characteristics ^{(Not}	e 3)					
Turn-On Delay Time	t _{d(on)}	V_{GS} =-10V, V_{DS} =-15V, R_L =3.6 Ω , R_{GEN} =6 Ω			6.5	
Turn-On Rise Time	t _r				3.5	ns
Turn-Off Delay Time	t _{d(off)}				40	
Turn-Off Fall Time	t _f				13	
Drain-Source Diode Characte	eristics and	d Maximum Ratings	,		'	1
Diode Forward Voltage ^(Note 1)	V _{SD}	V _{GS} =0V, I _S =-1A			-1	V

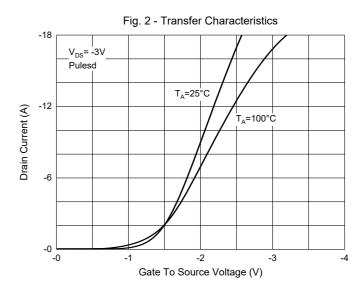
Note: 2. Pulse Test : Pulse Width $\!\!\leqslant\! 300\mu s,$ Duty Cycle $\!\!\leqslant\! 2\%.$

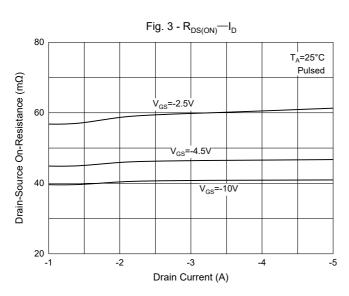
^{3.} Guaranteed by Design, Not Subject to Production Testing.

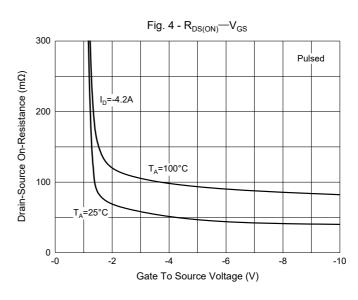


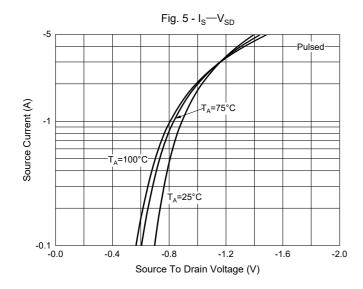
Curve Characteristics

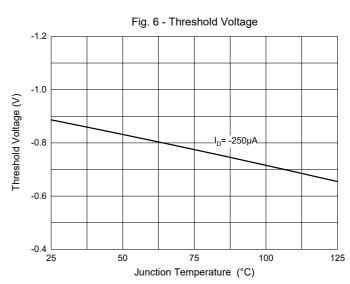








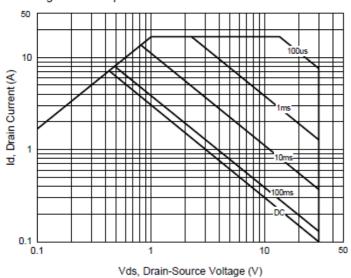






Curve Characteristics







Ordering Information

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

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