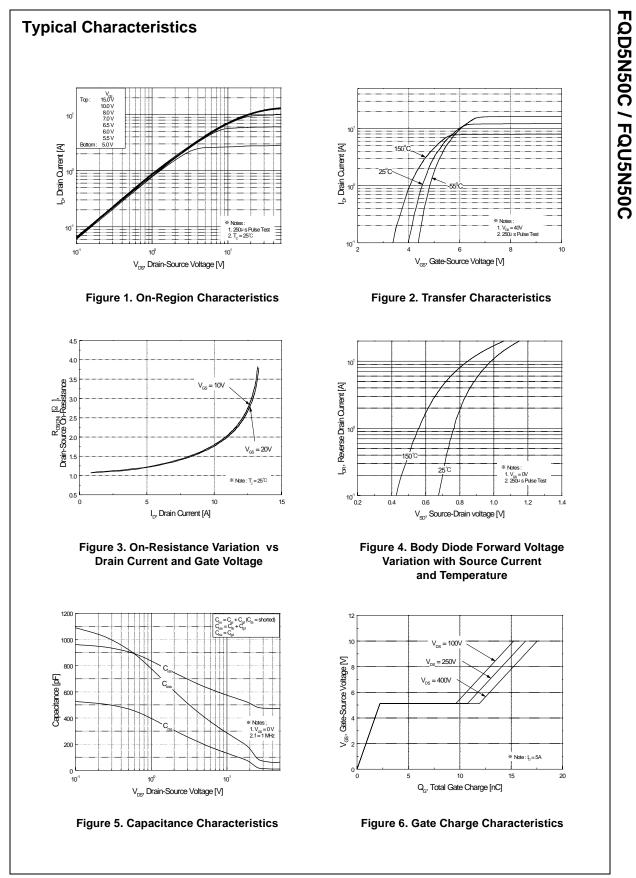
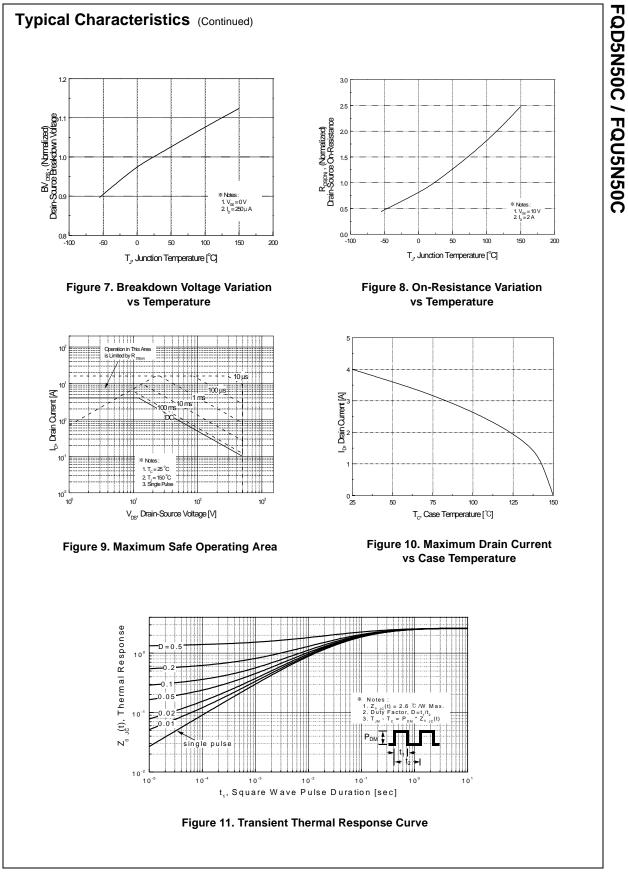
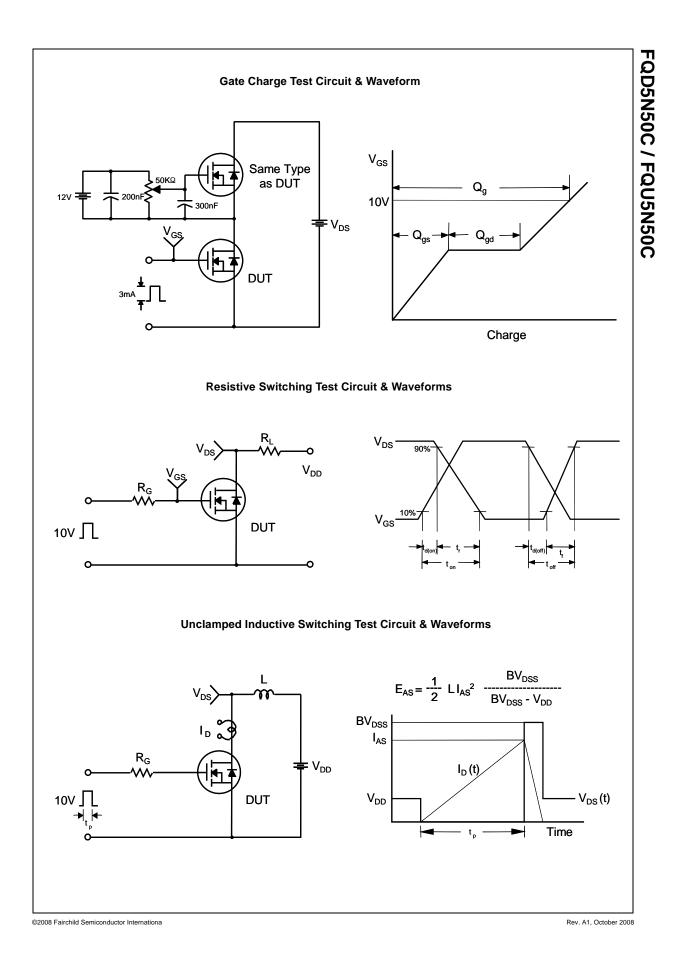
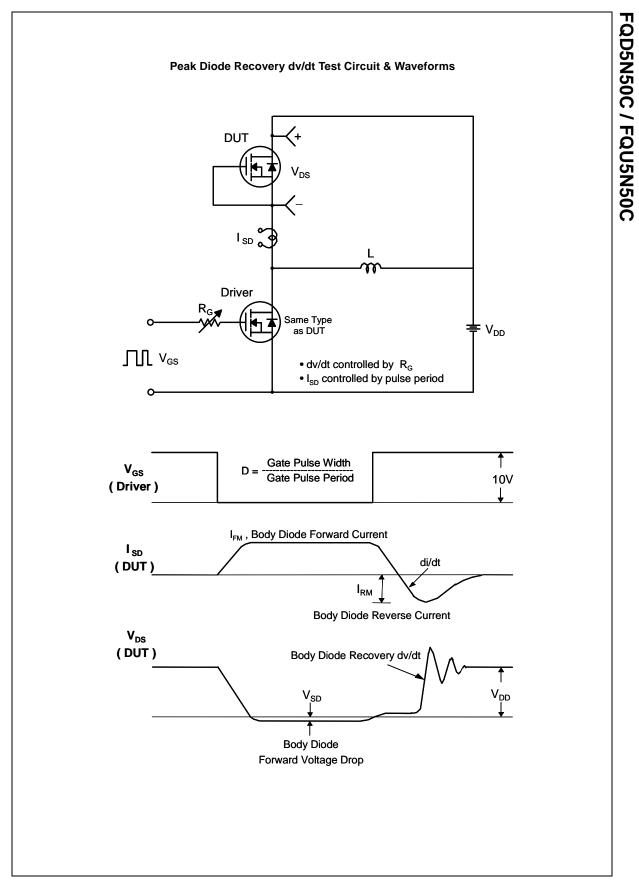
Symbol	Parameter	Test Conditions	Min	Тур	Max	Units
Off Cha	racteristics					
BV _{DSS}	Drain-Source Breakdown Voltage	V _{GS} = 0 V, I _D = 250 μA	500			V
ΔΒV _{DSS} / ΔΤ.	Breakdown Voltage Temperature Coefficient	$I_D = 250 \mu\text{A}$, Referenced to 25°C		0.5		V/°C
I _{DSS}	Zero Gate Voltage Drain Current	$V_{DS} = 500 \text{ V}, V_{GS} = 0 \text{ V}$			1	μA
	-	$V_{DS} = 400 \text{ V}, \text{ T}_{C} = 125^{\circ}\text{C}$			10	μΑ
I _{GSSF}	Gate-Body Leakage Current, Forward	$V_{GS} = 30 \text{ V}, V_{DS} = 0 \text{ V}$			100	nA
I _{GSSR}	Gate-Body Leakage Current, Reverse	$V_{GS} = -30 \text{ V}, V_{DS} = 0 \text{ V}$			-100	nA
On Cha	racteristics					
V _{GS(th)}	Gate Threshold Voltage	$V_{DS} = V_{GS}, I_{D} = 250 \mu A$	2.0		4.0	V
R _{DS(on)}	Static Drain-Source	V _{GS} = 10 V, I _D = 2.0A		1.14	1.4	Ω
	On-Resistance				1.4	
9fs	Forward Transconductance	$V_{DS} = 40 \text{ V}, I_D = 2.0 \text{A}$ (Note 4)		5.2		S
Dynami	c Characteristics					
C _{iss}	Input Capacitance	N 05 N N 0 N		480	625	pF
C _{oss}	Output Capacitance	V _{DS} = 25 V, V _{GS} = 0 V, f = 1.0 MHz		80	105	pF
C _{rss}	Reverse Transfer Capacitance			15	20	pF
	Turn-On Delay Time Turn-On Rise Time Turn-On Rise Time	$V_{DD} = 250 \text{ V}, \text{ I}_D = 5\text{A},$ $R_G = 25 \Omega$		12 46	35 100	ns ns
t _r	Turn-On Rise Time			46	100	ns
t _{d(off)}	Turn-Off Delay Time	(Note 4, 5)		50	110	ns
t _f	Turn-Off Fall Time			48	105	ns
Q _g	Total Gate Charge	$V_{DS} = 400 \text{ V}, \text{ I}_{D} = 5\text{A},$		18	24	nC
Q _{gs}	Gate-Source Charge	$V_{GS} = 10 V$		2.2		nC
Q _{gd}	Gate-Drain Charge	(Note 4, 5)		9.7		nC
Drain-S	ource Diode Characteristics a	nd Maximum Ratings				
I _S	Maximum Continuous Drain-Source Did				4	А
I _{SM}	Maximum Pulsed Drain-Source Diode Forward Current				16	A
V _{SD}	Drain-Source Diode Forward Voltage				1.4	V
t _{rr}	Reverse Recovery Time	$V_{GS} = 0 V, I_S = 5 A,$		263		ns
Q _{rr}	Reverse Recovery Charge	$dI_{\rm F} / dt = 100 \text{ A}/\mu \text{s} \qquad (\text{Note 4})$		1.9		μC
L = 21.5 ml $I_{SD} \le 5A$, di/ Pulse Test :	ating : Pulse width limited by maximum junction tempe H, I _{AS} = 5A, V _{DD} = 50V, R _G = 25 Ω , Starting T _J = 25°C ts $\leq 2004/\mu$ s, V _{DD} $\leq BV_{DSS}$, Starting T _J = 25°C Pulse width $\leq 300\mu$ s, Duty cycle $\leq 2\%$ idependent of operating temperature					

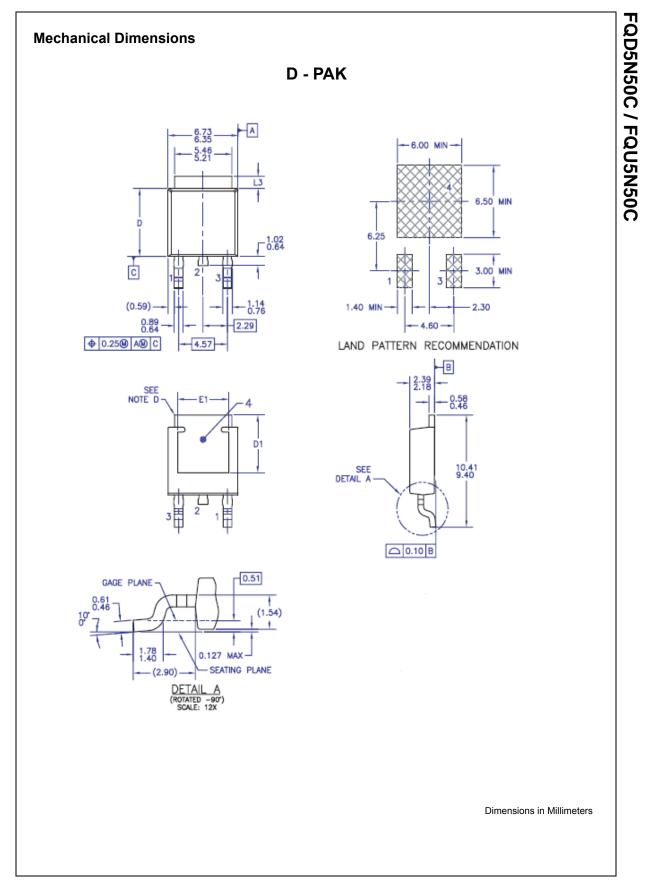
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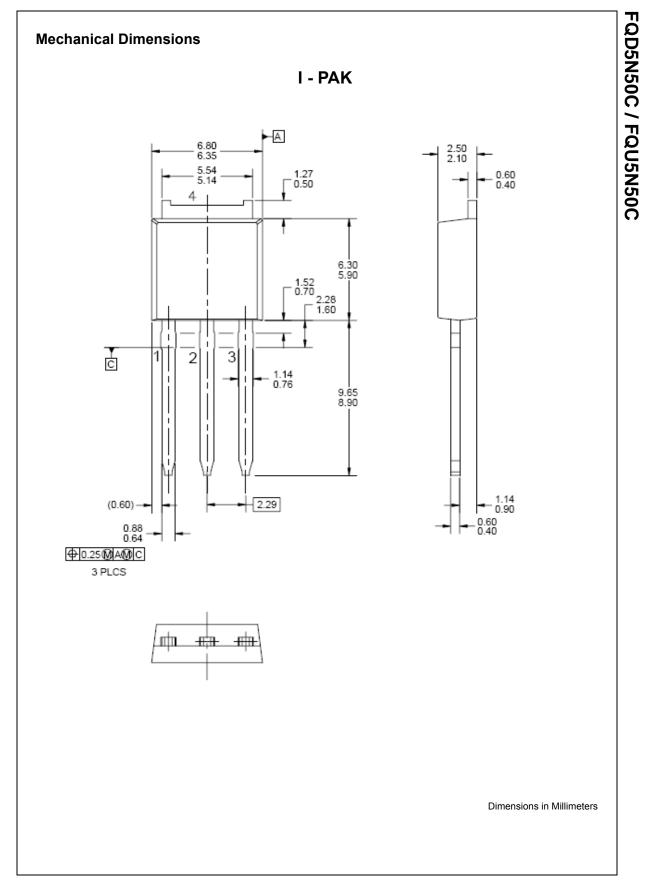














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