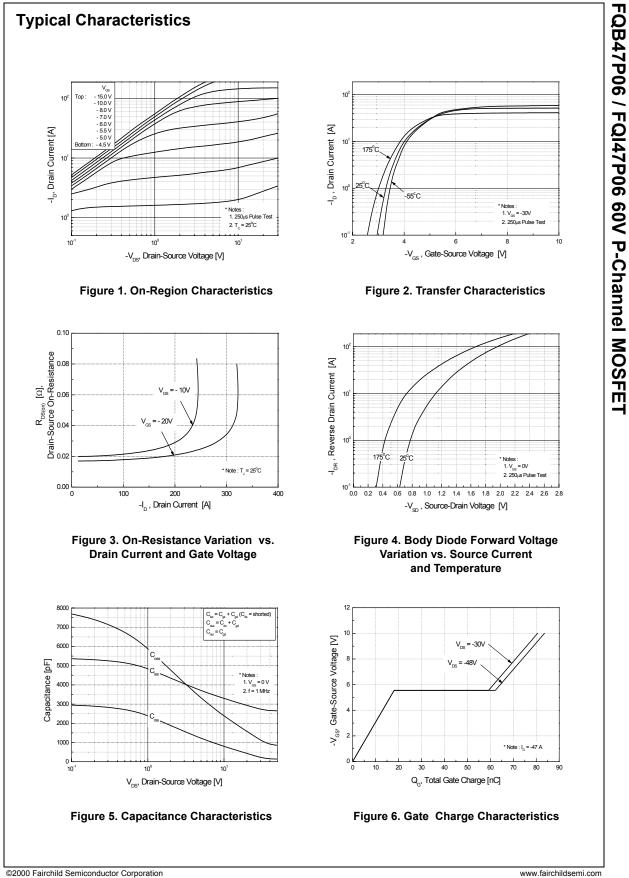
Symbol	Parameter	Test Conditions	Min	Тур	Max	Unit
Off Cha	racteristics					
BV _{DSS}	Drain-Source Breakdown Voltage	V _{GS} = 0 V, I _D = -250 μA	-60			V
ΔBV _{DSS} /ΔΤ _J	Breakdown Voltage Temperature Coefficient	$I_D = -250 \ \mu\text{A}$, Referenced to 25°C		-0.06		V/°C
I _{DSS}	Zero Gate Voltage Drain Current	V _{DS} = -60 V, V _{GS} = 0 V			-1	μA
		$V_{DS} = -48 \text{ V}, \text{ T}_{C} = 150^{\circ}\text{C}$			-10	μΑ
GSSF	Gate-Body Leakage Current, Forward	V _{GS} = -25 V, V _{DS} = 0 V			-100	nA
GSSR	Gate-Body Leakage Current, Reverse	V_{GS} = 25 V, V_{DS} = 0 V			100	nA
.						
		(1 - 1)		1	10	
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 On-Resistance	V _{GS} = -10 V, I _D = -23.5 A		0.021	0.026	Ω
9 _{FS}	Forward Transconductance	V _{DS} = -30 V, I _D = -23.5 A (Note 4)		21		S
		1				
	ic Characteristics		1	n	1	
C _{iss}	Input Capacitance	V _{DS} = -25 V, V _{GS} = 0 V, f = 1.0 MHz		2800	3600	pF
C _{oss}	Output Capacitance			1300	1700	pF
C _{rss}	Reverse Transfer Capacitance			320	420	pF
Switchi	ng Characteristics					
t _{d(on)}	Turn-On Delay Time			50	110	ns
a(on) t _r	Turn-On Rise Time	$V_{DD} = -30 \text{ V}, \text{ I}_{D} = -23.5 \text{ A},$		450	910	ns
t _{d(off)}	Turn-Off Delay Time	$R_{G} = 25 \Omega$		100	210	ns
t _f	Turn-Off Fall Time	(Note 4, 5)		195	400	ns
Q _g	Total Gate Charge	V _{DS} = -48 V, I _D = -47 A,		84	110	nC
Q _{gs}	Gate-Source Charge	V _{DS} = -48 V, I _D = -47 A, V _{GS} = -10 V		18		nC
Q _{gd}	Gate-Drain Charge	(Note 4, 5)		44		nC
		d Marine Datie es				
Drain-5	ource Diode Characteristics an Maximum Continuous Drain-Source Dio				-47	A
I _{SM}	Maximum Pulsed Drain-Source Diode F				-188	A
V _{SD}	Drain-Source Diode Forward Voltage	$V_{GS} = 0 V, I_S = -47 A$			-4.0	V
t _{rr}	Reverse Recovery Time	$V_{GS} = 0 V, I_S = -47 A,$		130		ns
Q _{rr}	Reverse Recovery Charge	$dI_{\rm F} / dt = 100 \text{ A}/\mu \text{s}$ (Note 4)		0.55		μC
otes:				0.00		μΟ
L = 0.43mH, I _{SD} \leq -47A, c Pulse Test :	ating : Pulse width limited by maximum junction tempe $I_{AS} = .47A$, $V_{DD} = .25V$, $R_G = 25 \Omega$, Starting $T_J = 25^{\circ}$ lixId $\le 300 A/\mu s$, $V_{DD} \le 8V_{DSS}$, Starting $T_J = 25^{\circ}C$ Pulse width $\le 300 \mu s$, Duty cycle $\le 2\%$ ndependent of operating temperature					

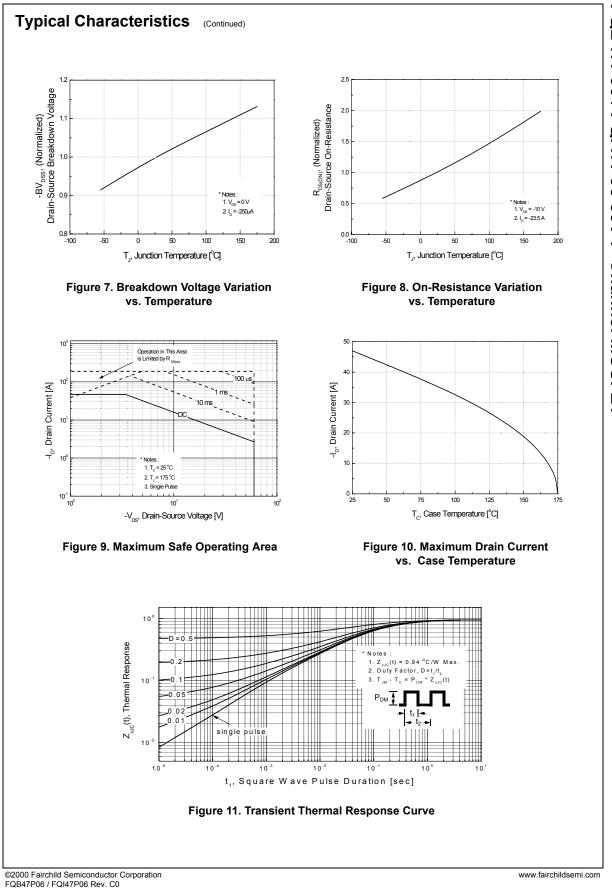
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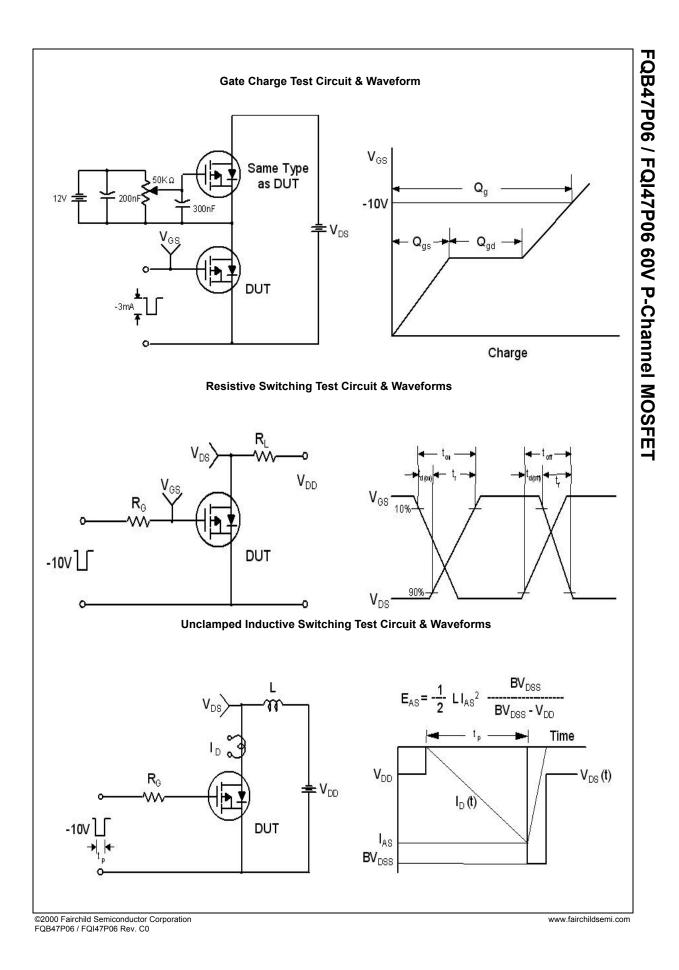
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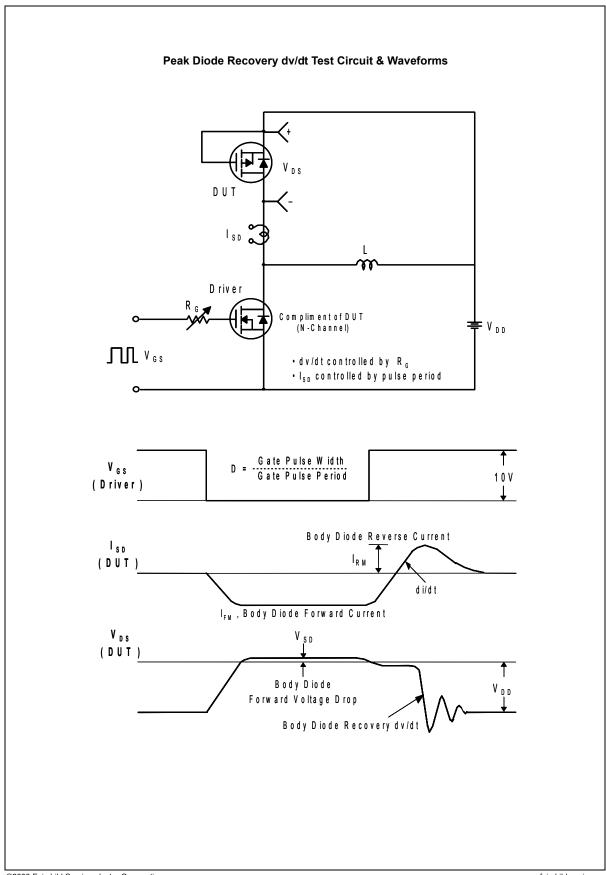
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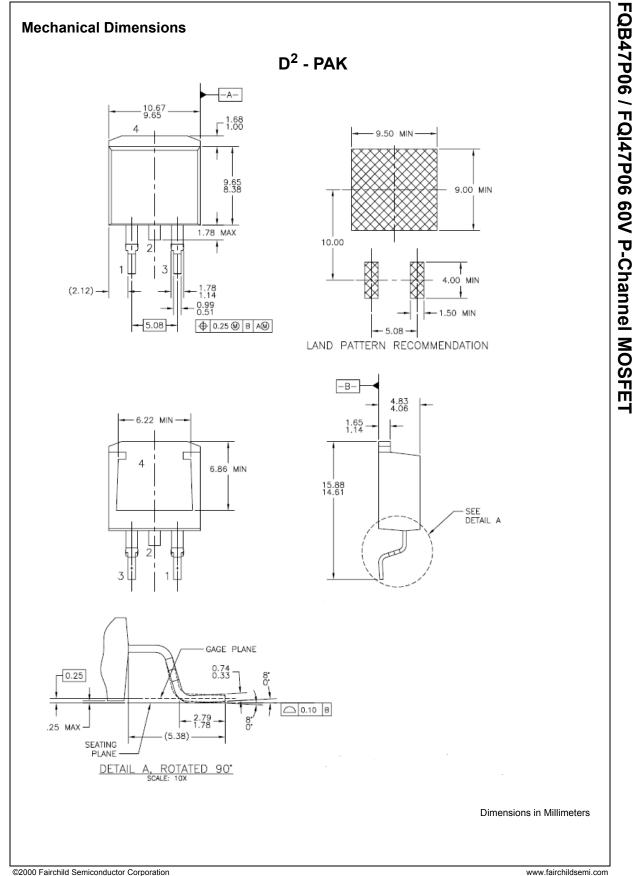
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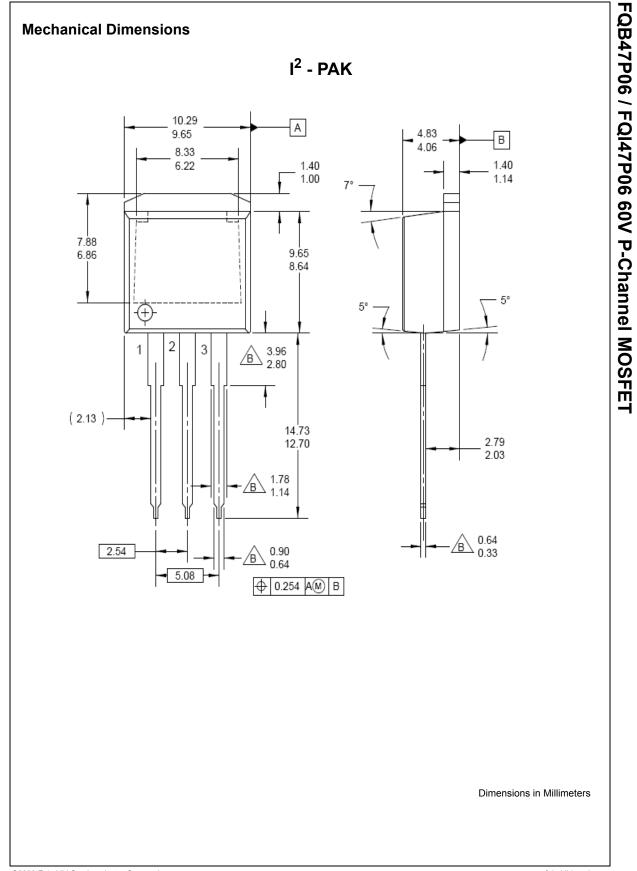
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