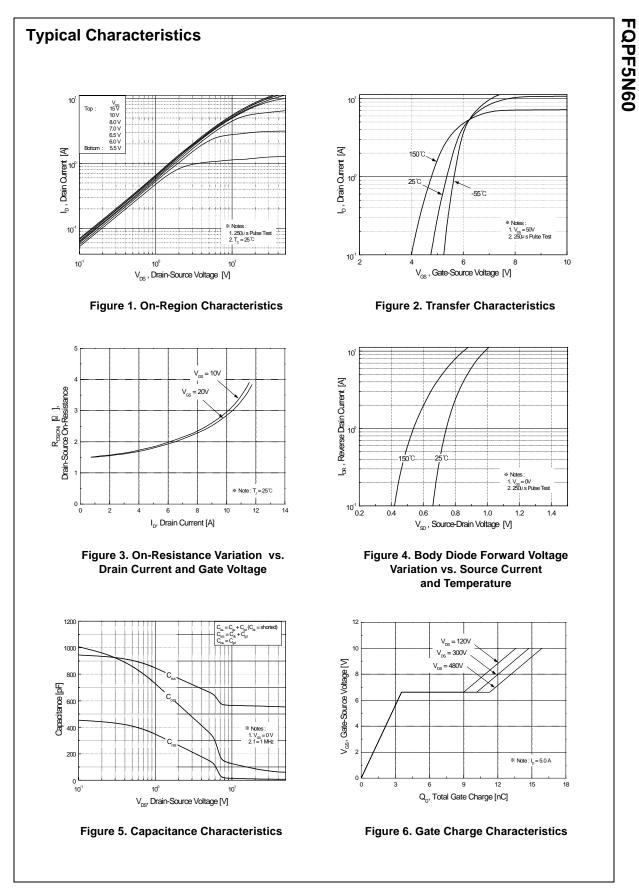
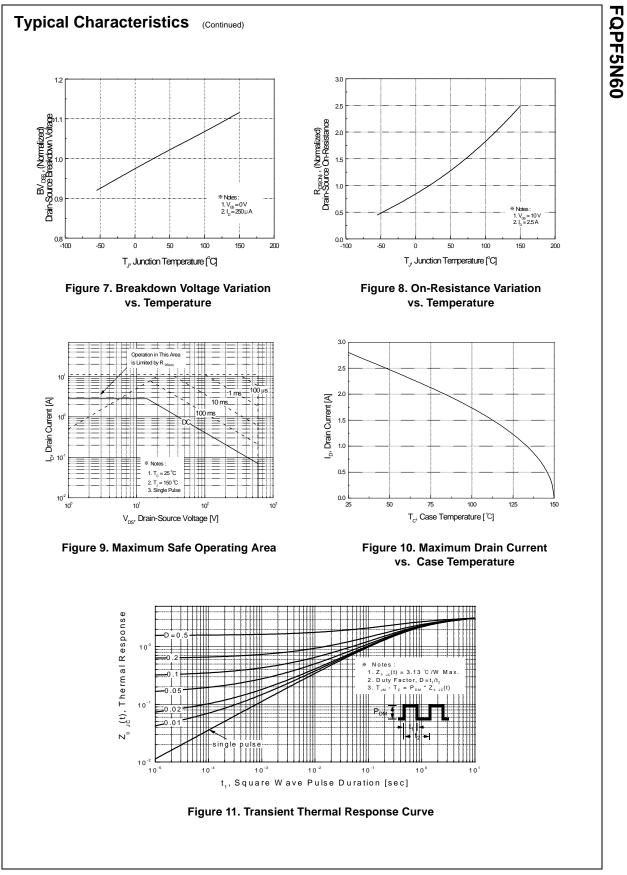
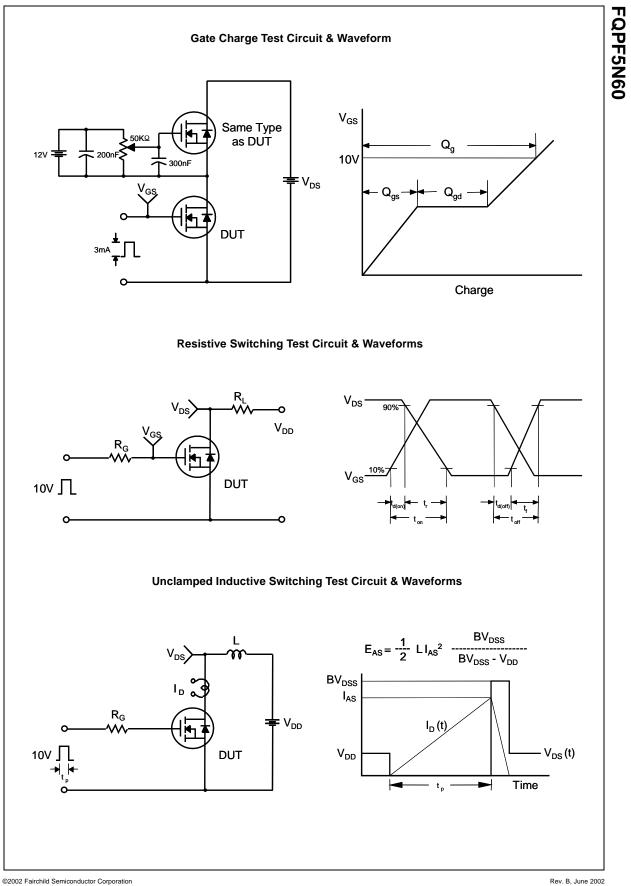
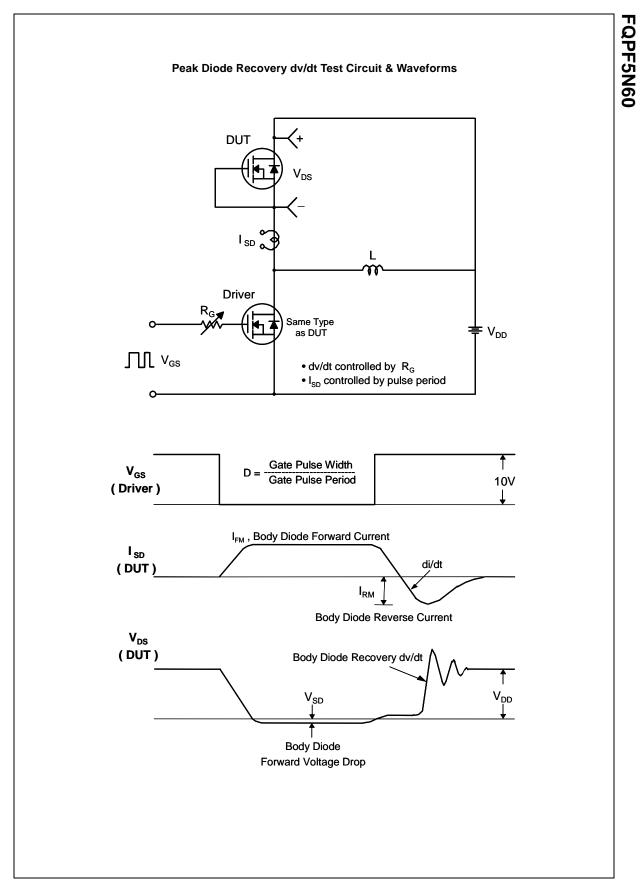
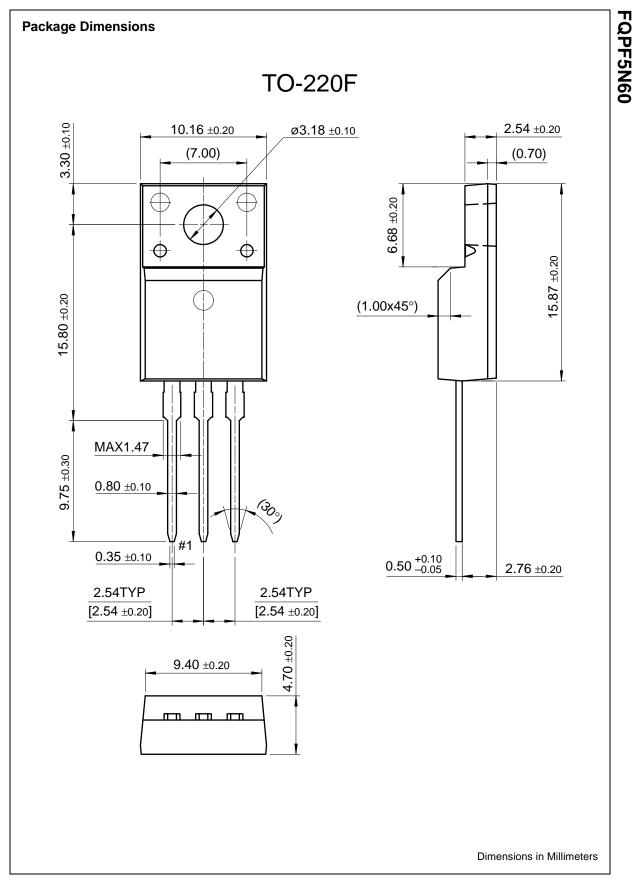
rice Breakdown Voltage n Voltage Temperature t v Voltage Drain Current y Leakage Current, Forward y Leakage Current, Reverse ics eshold Voltage in-Source tance Transconductance	$\begin{array}{l} V_{GS} = 0 \ V, \ I_{D} = 250 \ \mu A \\ \\ I_{D} = 250 \ \mu A, \ Referenced \ to \ 25^{\circ}C \\ \\ V_{DS} = 600 \ V, \ V_{GS} = 0 \ V \\ \\ V_{DS} = 480 \ V, \ T_{C} = 125^{\circ}C \\ \\ V_{GS} = 30 \ V, \ V_{DS} = 0 \ V \\ \\ V_{GS} = -30 \ V, \ V_{DS} = 0 \ V \\ \\ \end{array}$	600 3.0	 0.6 	 10 100 100 -100	V V/°C μΑ ηΑ nA
Irce Breakdown Voltage In Voltage Temperature t Voltage Drain Current y Leakage Current, Forward y Leakage Current, Reverse ics Shold Voltage in-Source tance	$I_{D} = 250 \ \mu\text{A}, \text{ Referenced to } 25^{\circ}\text{C}$ $V_{DS} = 600 \ \text{V}, \ V_{GS} = 0 \ \text{V}$ $V_{DS} = 480 \ \text{V}, \ T_{C} = 125^{\circ}\text{C}$ $V_{GS} = 30 \ \text{V}, \ V_{DS} = 0 \ \text{V}$ $V_{GS} = -30 \ \text{V}, \ V_{DS} = 0 \ \text{V}$ $V_{DS} = V_{GS}, \ I_{D} = 250 \ \mu\text{A}$	 	0.6 	 10 100 100	V/°C μA μA nA
n Voltage Temperature t voltage Drain Current y Leakage Current, Forward y Leakage Current, Reverse ics eshold Voltage in-Source iance	$I_{D} = 250 \ \mu\text{A}, \text{ Referenced to } 25^{\circ}\text{C}$ $V_{DS} = 600 \ \text{V}, \ V_{GS} = 0 \ \text{V}$ $V_{DS} = 480 \ \text{V}, \ T_{C} = 125^{\circ}\text{C}$ $V_{GS} = 30 \ \text{V}, \ V_{DS} = 0 \ \text{V}$ $V_{GS} = -30 \ \text{V}, \ V_{DS} = 0 \ \text{V}$ $V_{DS} = V_{GS}, \ I_{D} = 250 \ \mu\text{A}$	 	0.6 	 10 100 100	V/°C μA μA nA
e Voltage Drain Current y Leakage Current, Forward y Leakage Current, Reverse ics eshold Voltage in-Source tance	$V_{DS} = 480 \text{ V}, T_{C} = 125 ^{\circ}\text{C}$ $V_{GS} = 30 \text{ V}, V_{DS} = 0 \text{ V}$ $V_{GS} = -30 \text{ V}, V_{DS} = 0 \text{ V}$ $V_{DS} = V_{GS}, I_{D} = 250 \mu\text{A}$			100 100	μA nA
y Leakage Current, Forward y Leakage Current, Reverse ics eshold Voltage in-Source tance	$V_{DS} = 480 \text{ V}, T_{C} = 125 ^{\circ}\text{C}$ $V_{GS} = 30 \text{ V}, V_{DS} = 0 \text{ V}$ $V_{GS} = -30 \text{ V}, V_{DS} = 0 \text{ V}$ $V_{DS} = V_{GS}, I_{D} = 250 \mu\text{A}$			100 100	μA nA
y Leakage Current, Reverse ics eshold Voltage in-Source tance	$V_{GS} = 30 \text{ V}, V_{DS} = 0 \text{ V}$ $V_{GS} = -30 \text{ V}, V_{DS} = 0 \text{ V}$ $V_{DS} = V_{GS}, I_D = 250 \mu\text{A}$			100	nA
y Leakage Current, Reverse ics eshold Voltage in-Source tance	$V_{GS} = -30 \text{ V}, V_{DS} = 0 \text{ V}$ $V_{DS} = V_{GS}, I_D = 250 \mu\text{A}$				
ics eshold Voltage in-Source ance	$V_{DS} = V_{GS}, I_D = 250 \mu A$	3.0			
eshold Voltage in-Source tance		3.0			
in-Source tance		3.0			
ance	$V_{GS} = 10 \text{ V}, \text{ I}_{D} = 1.4 \text{ A}$			5.0	V
ransconductance			1.57	2.0	Ω
	$V_{DS} = 50 \text{ V}, I_D = 1.4 \text{ A}$ (Note 4)		3.5		S
storistics					
			560	730	pF
					pF
					p. pF
					μ.
acteristics					
Delay Time	$V_{DD} = 300 V_{1D} = 5.0 A_{10}$		13	35	ns
Rise Time			45	100	ns
Delay Time			35	80	ns
Fall Time	(Note 4, 5)		40	90	ns
e Charge	V _{DS} = 480 V, I _D = 5.0 A,		16	20	nC
rce Charge	$V_{cc} = 10 V$		3.5		
i o onargo	VGS = 10 V		ა.ე		nC
n Charge	(Note 4, 5)		3.5 7.8		nC nC
n Charge	(Note 4, 5)				
n Charge ode Characteristics a	(Note 4, 5) nd Maximum Ratings		7.8		nC
n Charge ode Characteristics a Continuous Drain-Source Di	(Note 4, 5) and Maximum Ratings ode Forward Current		7.8	2.8	nC A
n Charge ode Characteristics a Continuous Drain-Source Di Pulsed Drain-Source Diode	(Note 4, 5) nd Maximum Ratings ode Forward Current Forward Current		7.8	 2.8 11.2	nC A A
n Charge ode Characteristics a Continuous Drain-Source Di	(Note 4, 5) nd Maximum Ratings ode Forward Current Forward Current		7.8	2.8	nC A
	Delay Time Rise Time Delay Time Fall Time 9 Charge	acitance $V_{DS} = 25 \text{ V}, V_{GS} = 0 \text{ V},$ apacitancef = 1.0 MHzTransfer Capacitancef = 1.0 MHzacteristics $V_{DD} = 300 \text{ V}, I_D = 5.0 \text{ A},$ Delay Time $V_{DD} = 300 \text{ V}, I_D = 5.0 \text{ A},$ Rise Time $R_G = 25 \Omega$ Time(Note 4, 5)	acitance $V_{DS} = 25 \text{ V}, V_{GS} = 0 \text{ V},$ f = 1.0 MHzapacitancef = 1.0 MHzTransfer CapacitanceacteristicsDelay Time $V_{DD} = 300 \text{ V}, I_D = 5.0 \text{ A},$ $R_G = 25 \Omega$ Delay TimeTime(Note 4, 5)Delay Time(Note 4, 5)Charge $V_{DS} = 480 \text{ V}, I_D = 5.0 \text{ A},$	acitance $V_{DS} = 25 \text{ V}, V_{GS} = 0 \text{ V},$ 560 apacitance f = 1.0 MHz 80 Transfer Capacitance 9 acteristics 13 Delay Time $V_{DD} = 300 \text{ V}, \text{ I}_D = 5.0 \text{ A},$ 45 Delay Time $R_G = 25 \Omega$ 35 Fall Time $V_{DS} = 480 \text{ V}, \text{ I}_D = 5.0 \text{ A},$ 40	$\begin{array}{c c c c c c c c c c c c c c c c c c c $











Rev. B, June 2002

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