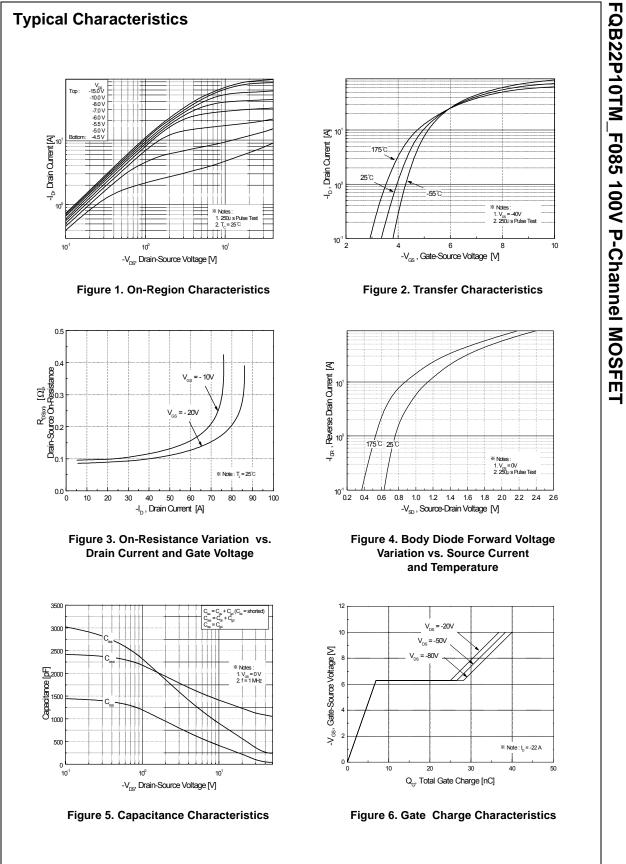
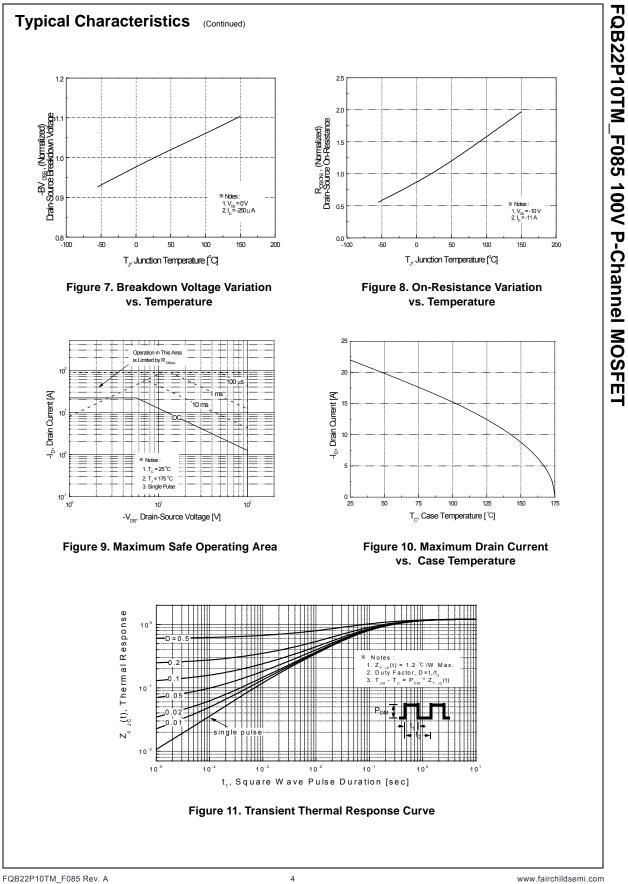
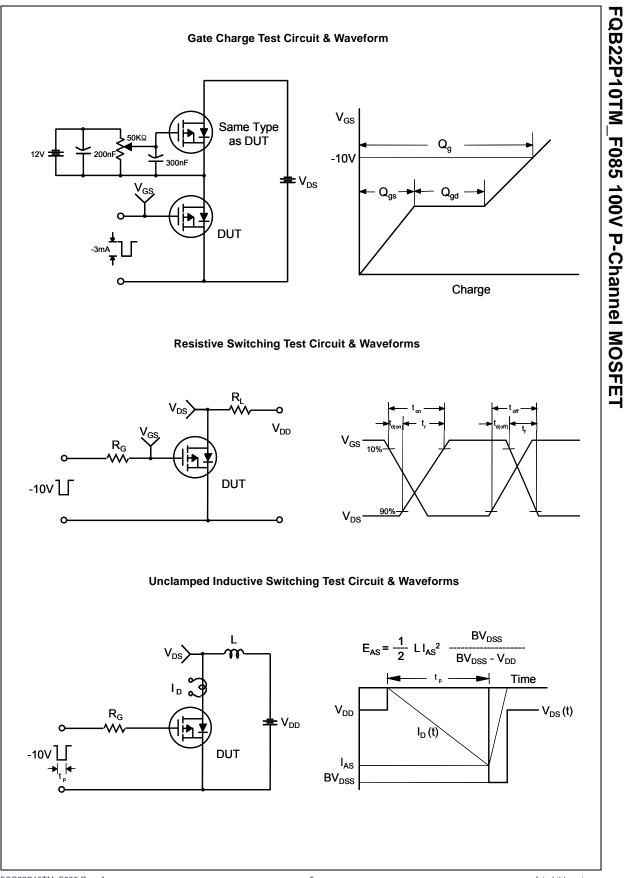
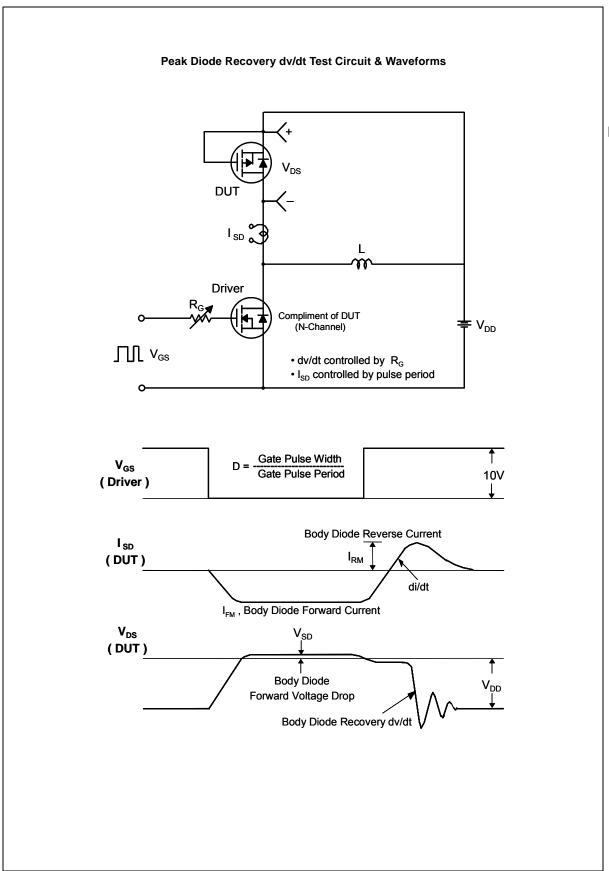


Off Char _{BVDSS}							
	acteristics						
	Drain-Source Breakdown Voltage	V _{GS} = 0 V, I _D = -250 μA		-100			V
	Breakdown Voltage Temperature Coefficient	$I_D = -250 \ \mu\text{A}$, Referenced	to 25°C		-0.1		V/°C
Inee	Zero Gate Voltage Drain Current	V _{DS} = -100 V, V _{GS} = 0 V				-1	μA
		V _{DS} = -80 V, T _C = 125°C				-10	μA
I _{GSSF}	Gate-Body Leakage Current, Forward	V_{GS} = -30 V, V_{DS} = 0 V				-100	nA
I _{GSSR}	Gate-Body Leakage Current, Reverse	V_{GS} = 30 V, V_{DS} = 0 V				100	nA
On Char	acteristics						
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 = -11 A			0.096	0.125	Ω
9 _{FS}	Forward Transconductance	V _{DS} = -40 V, I _D = -11 A	(Note 4)		13.5		S
Dumomio	Characteriation	1			1		1
-	Characteristics	<u> </u>			1170	1500	pF
	Output Capacitance	V _{DS} = -25 V, V _{GS} = 0 V, f = 1.0 MHz			460	600	pF
	Reverse Transfer Capacitance				160	200	pF
	Turn-On Delay Time Turn-On Rise Time	$V_{DD} = -50 \text{ V}, \text{ I}_{D} = -22 \text{ A},$			17 170	45 350	ns ns
-()	Turn-On Delay Time	V _{DD} = -50 V, I _D = -22 A,			17	45	ns
	Turn-Off Delay Time	R _G = 25 Ω			60	130	ns
	Turn-Off Fall Time	(Note 4, 5)		110	230	ns
	Total Gate Charge	V _{DS} = -80 V, I _D = -22 A,			40	50	nC
0	Gate-Source Charge	$V_{GS} = -10 V$			7.0		nC
-	Gate-Drain Charge		Note 4, 5)		21		nC
	Durce Diode Characteristics ar Maximum Continuous Drain-Source Dic	•				-22	A
I _{SM}	Maximum Pulsed Drain-Source Diode F	Forward Current				-88	Α
	Drain-Source Diode Forward Voltage	V _{GS} = 0 V, I _S = -22 A				-4.0	V
	Reverse Recovery Time	V _{GS} = 0 V, I _S = -22 A,			110		ns
Q _{rr}	Reverse Recovery Charge	dI _F / dt = 100 A/µs	(Note 4)		0.6		μC
t _{rr} Q _{rr} otes:	Reverse Recovery Time	V_{GS} = 0 V, I _S = -22 A, dI _F / dt = 100 A/µs	(Note 4)		110		ns
L = 2.2mH, I _{AS} I _{SD} \leq -22A, di Pulse Test : Pu	ing : Pulse width limited by maximum junction temper $S_{\rm B} = .22A, V_{\rm DD} = .25V, R_{\rm G} = 25 \Omega, Starting T_{\rm J} = .25^{\circ}C$ $Vidt \leq 300A/\mu s, V_{\rm DD} \leq BV_{\rm DSS}$ Starting T_{\rm J} = 25^{\circ}C ulse width $\leq 300\mu s$, Duty cycle $\leq 2\%$ lependent of operating temperature						

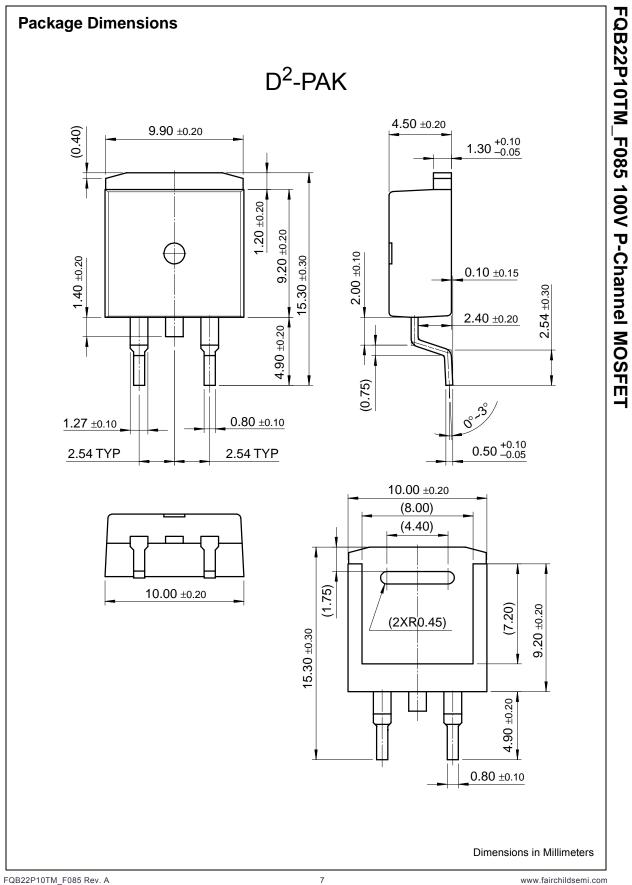


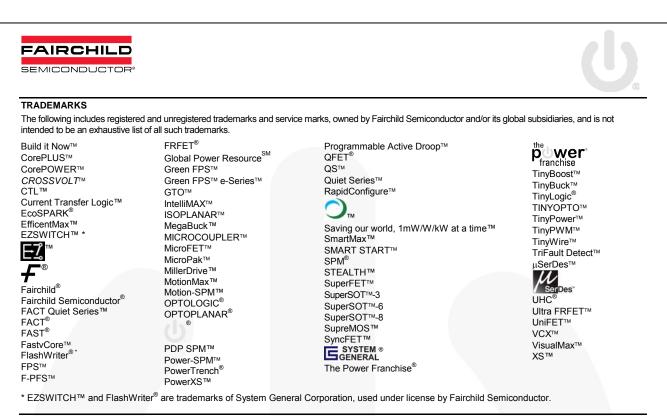






FQB22P10TM_F085 100V P-Channel MOSFET





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