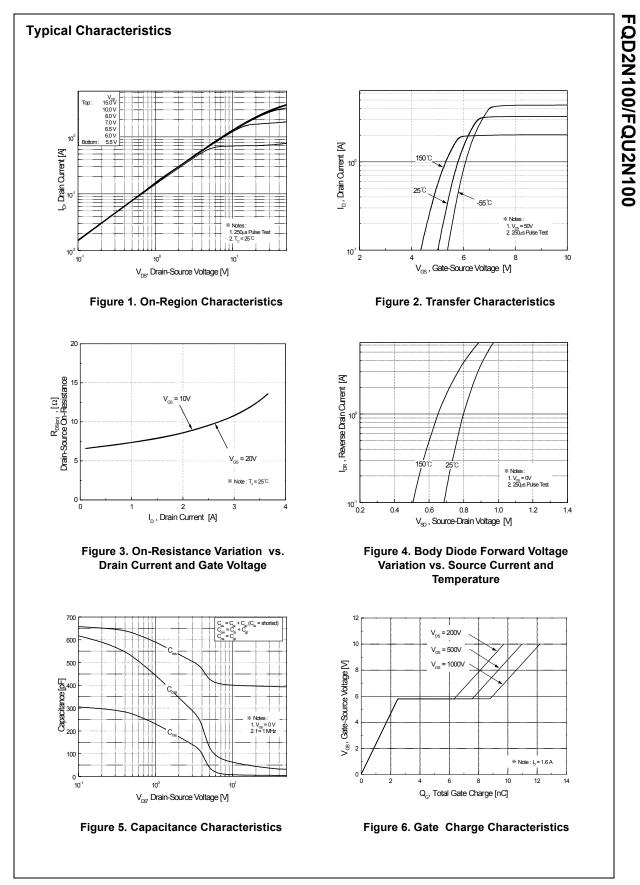


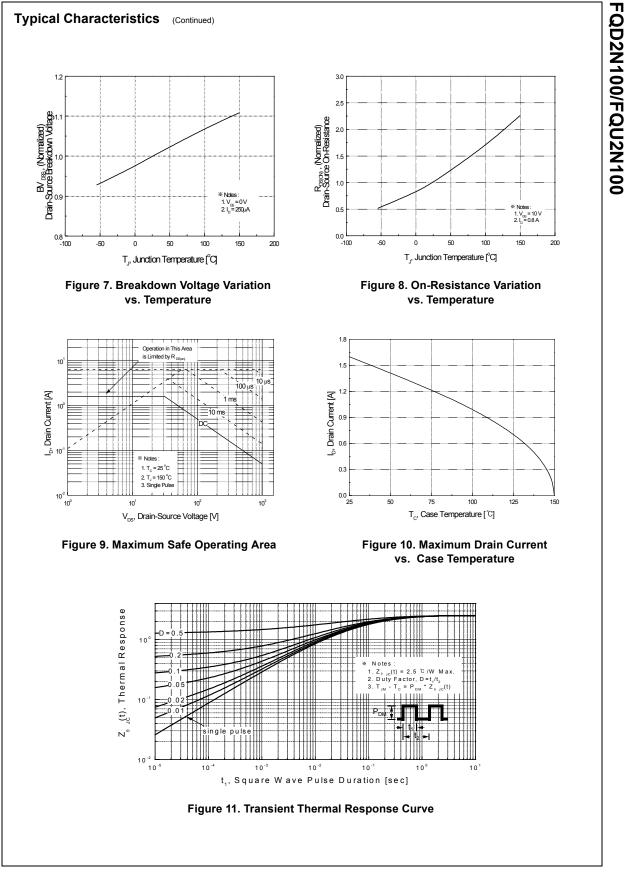
Symbol	Parameter	Тур	Max	Units
$R_{\theta JC}$	R _{0JC} Thermal Resistance, Junction-to-Case		2.5	°C/W
$R_{\theta JA}$	Thermal Resistance, Junction-to-Ambient *		50	°C/W
$R_{\theta JA}$	Thermal Resistance, Junction-to-Ambient		110	°C/W
* When mount	ed on the minimum pad size recommended (PCB Mount)			

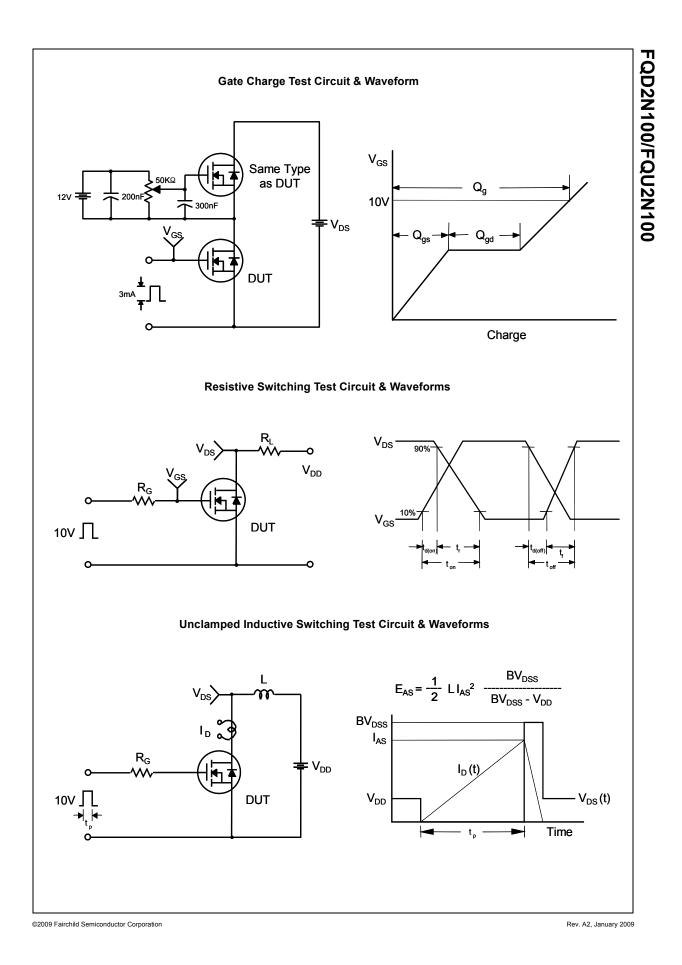
Off Cha	Parameter	Test Conditions	Min	Тур	Max	Units
		V _{GS} = 0 V, I _D = 250 μA	1000			V
BV _{DSS} ΔBV _{DSS}	Drain-Source Breakdown Voltage	$v_{GS} = 0 v, I_D = 250 \mu A$	1000			V
ΔΒν _{DSS} / ΔΤ _J	Breakdown Voltage Temperature Coefficient	I_D = 250 µA, Referenced to 25°C		0.976		V/°C
I _{DSS}	Zero Gate Voltage Drain Current	V _{DS} = 1000 V, V _{GS} = 0 V			10	μΑ
-		V _{DS} = 800 V, T _C = 125°C			100	μA
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 V, V_{DS} = 0 V			-100	nA
On Cha	racteristics					
V _{GS(th)}	Gate Threshold Voltage	$V_{DS} = V_{GS}, I_{D} = 250 \mu A$	3.0		5.0	V
R _{DS(on)}	Static Drain-Source	V _{GS} = 10 V, I _D = 0.8 A		74	·	~
- \ /	On-Resistance			7.1	9	Ω
9 _{FS}	Forward Transconductance	$V_{DS} = 50 \text{ V}, I_D = 0.8 \text{ A}$ (Note 4)		1.9		S
Dunami	o Charactoristico					
C _{iss}	c Characteristics			400	520	pF
C _{oss}	Output Capacitance	V_{DS} = 25 V, V_{GS} = 0 V,		400	520	pF
C _{rss}	Reverse Transfer Capacitance	f = 1.0 MHz		5	6.5	pF
Orss	Reverse transier capacitance			5	0.5	рі
Switchi	ng Characteristics					
t _{d(on)}	Turn-On Delay Time	V _{DD} = 500 V, I _D = 2.0 A,		13	35	ns
t _r	Turn-On Rise Time	R _G = 25 Ω		30	70	ns
t _{d(off)}	Turn-Off Delay Time			25	60	ns
t _f	Turn-Off Fall Time	(Note 4, 5)		35	80	ns
Qg	Total Gate Charge	y = 800 y = 2.0 A		12	15.5	nC
Q _{gs}	Gate-Source Charge	$V_{DS} = 800 \text{ V}, \text{ I}_{D} = 2.0 \text{ A},$ $V_{GS} = 10 \text{ V}$		2.5		nC
Q _{gd}	Gate-Drain Charge	(Note 4, 5)		6.5	-	nC
Drain-So Is	ource Diode Characteristics an Maximum Continuous Drain-Source Dio				1.5	A
IS I _{SM}	Maximum Pulsed Drain-Source Diode F				6.0	A
		$V_{GS} = 0 V, I_S = 1.6 A$			1.4	V
V _{SD} t _{rr}	Reverse Recovery Time	$V_{GS} = 0 V, I_S = 2.0 A,$		 520		ns
	Reverse Recovery Charge	$dI_{\rm F} / dt = 100 \text{ A/}\mu\text{s}$ (Note 4)		2.3		μC
Q _{rr}	Reverse Recovery charge			2.0		μΟ

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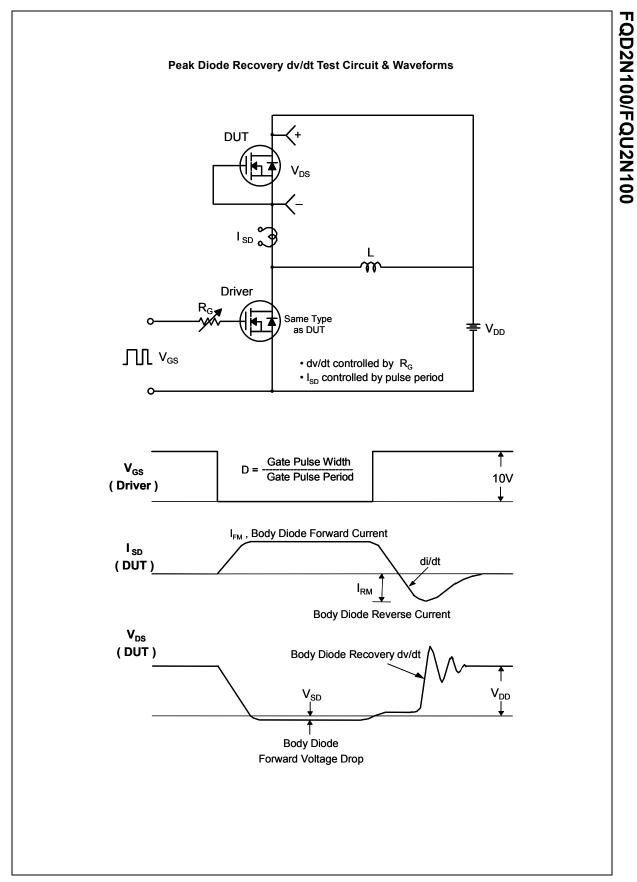
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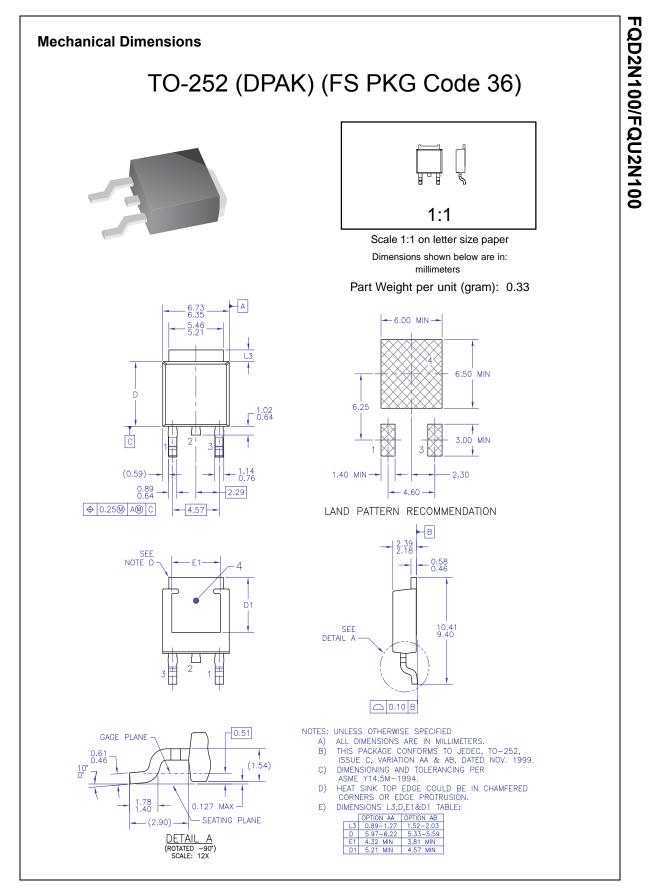


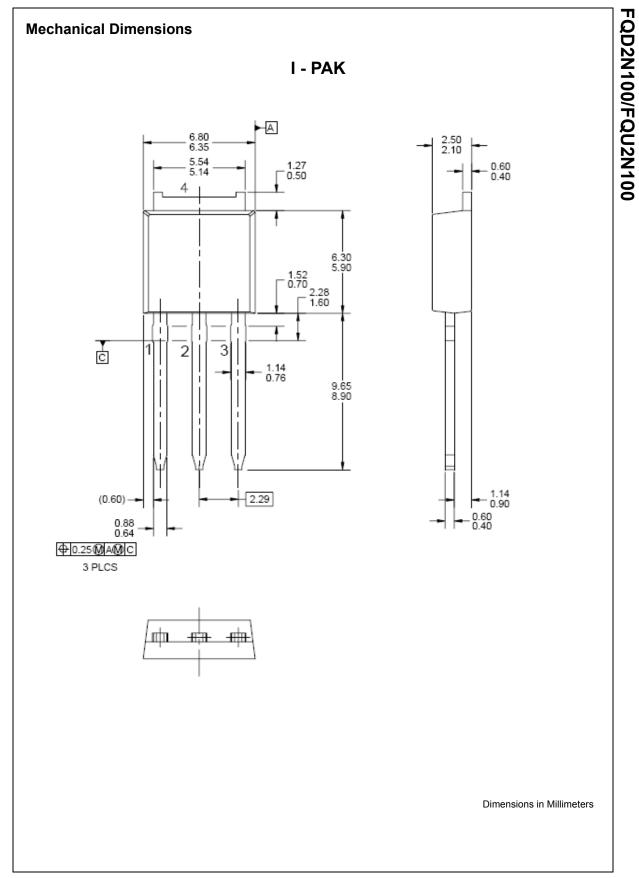




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