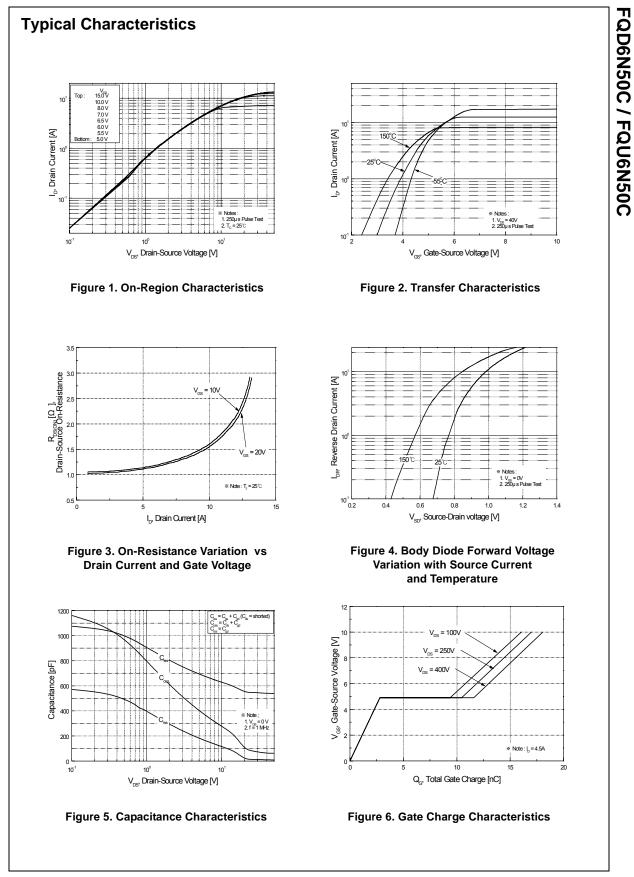
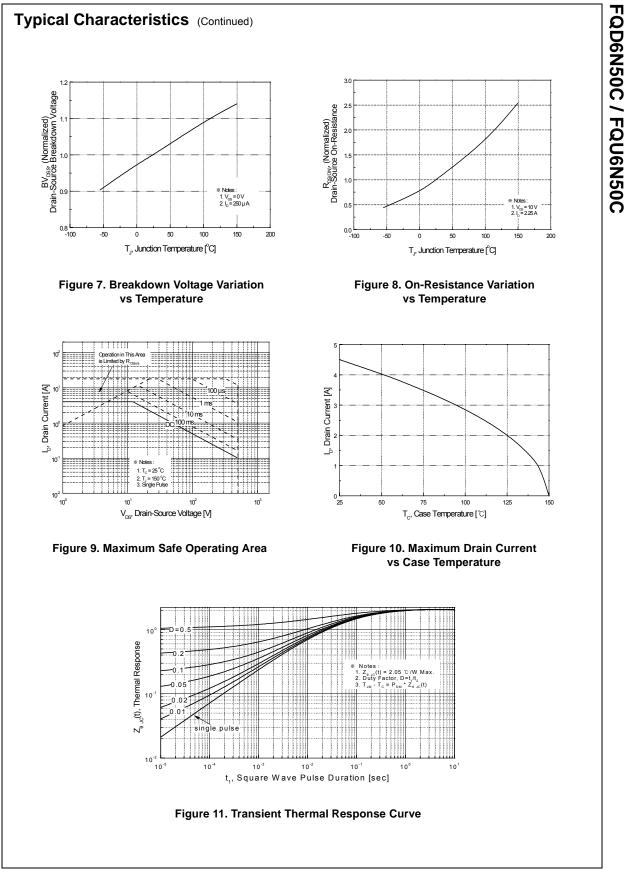
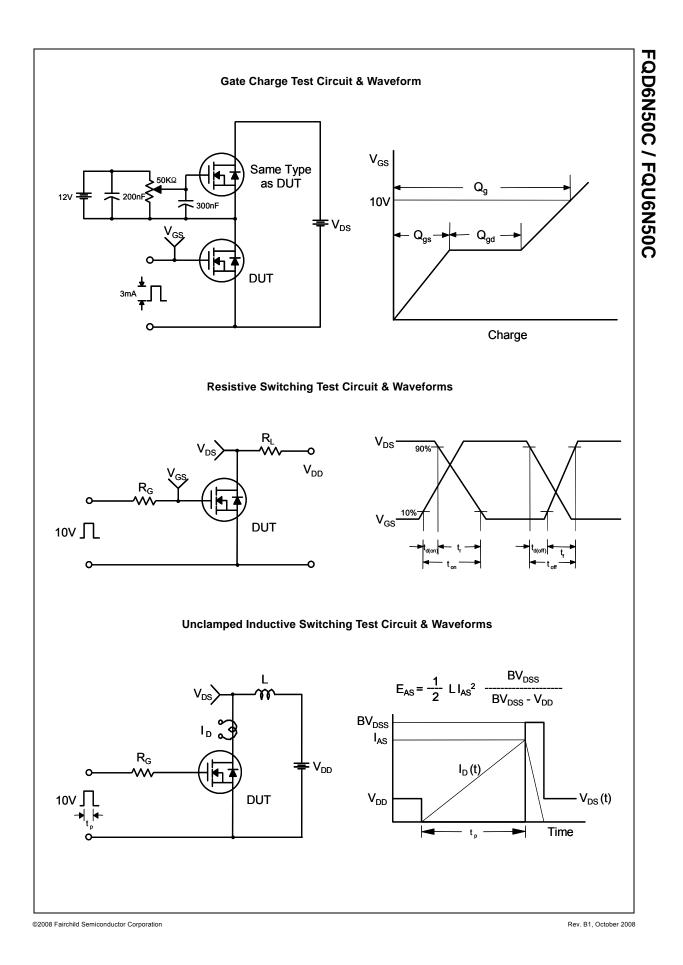


Symbol	Parameter	Тур	Max	Units
$R_{\theta JC}$	Thermal Resistance, Junction-to-Case	-	2.05	°C/W
$R_{ extsf{ heta}JA}$	Thermal Resistance, Junction-to-Ambient *	-	50	°C/W
$R_{\theta JA}$	Thermal Resistance, Junction-to-Ambient	-	110	°C/W

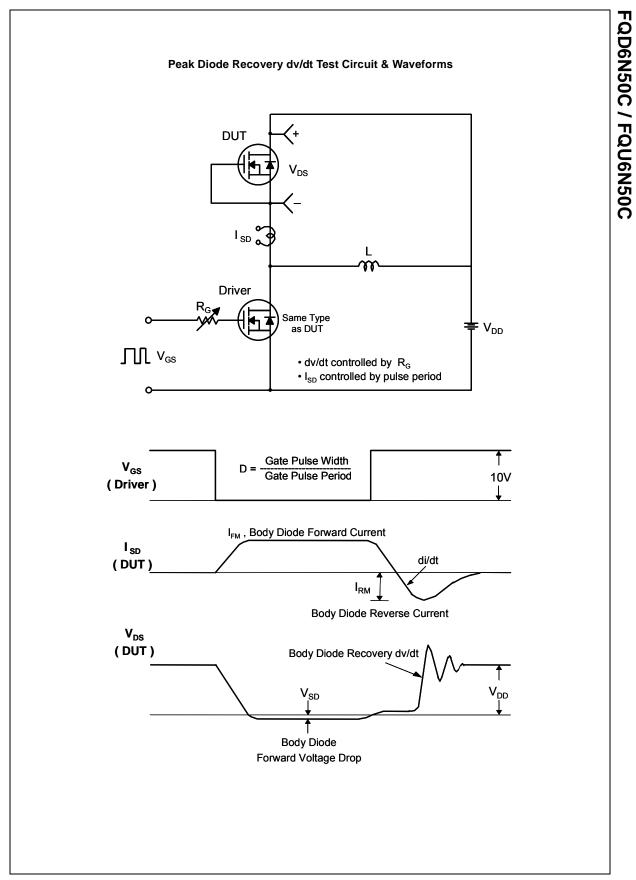
<u> </u>	Parameter	Test Conditions	Min	Тур	Max	Units
Off Char	acteristics	•				
	Drain-Source Breakdown Voltage	V _{GS} = 0 V, I _D = 250 μA	500			V
ΔBV _{DSS} I	Breakdown Voltage Temperature	$I_D = 250 \ \mu\text{A}$, Referenced to 25°C		0.8		V/°C
	Coefficient	V _{DS} = 500 V, V _{GS} = 0 V			1	
I _{DSS}	Zero Gate Voltage Drain Current	$V_{DS} = 300 \text{ V}, V_{GS} = 0 \text{ V}$ $V_{DS} = 400 \text{ V}, T_{C} = 125^{\circ}\text{C}$			1 10	μΑ
I _{GSSF} (Gate-Body Leakage Current, Forward	$V_{\rm DS} = 400$ V, $V_{\rm C} = 125$ C $V_{\rm GS} = 30$ V, $V_{\rm DS} = 0$ V			100	μA nA
	Gate-Body Leakage Current, Reverse	$V_{GS} = -30 \text{ V}, V_{DS} = 0 \text{ V}$			-100	nA
GSSR					-100	ПА
On Chara	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 = 2.25A		1.0	1.2	Ω
g _{FS} I	Forward Transconductance	V _{DS} = 40 V, I _D = 2.25A (Note 4)		4.5		S
						
-	Characteristics			540	700	
	Input Capacitance	$V_{DS} = 25 V, V_{GS} = 0 V,$		540	700	pF
000	Output Capacitance	f = 1.0 MHz		80	105	pF
C _{rss} I	Reverse Transfer Capacitance			15	20	pF
Switchin	g Characteristics					
	Turn-On Delay Time	N/ 050 X/1 / 54		10	30	ns
. ,	Turn-On Rise Time	$V_{DD} = 250 \text{ V}, \text{ I}_{D} = 4.5\text{ A},$		35	80	ns
	Turn-Off Delay Time	R _G = 25 Ω		55	120	ns
	Turn-Off Fall Time	(Note 4, 5)		45	100	ns
-	Total Gate Charge	V _{DS} = 400 V, I _D = 4.5A,		19	25	nC
-	Gate-Source Charge	V _{GS} = 10 V		2.8		nC
-	Gate-Drain Charge	(Note 4, 5)		8.8		nC
	ource Diode Characteristics ar Maximum Continuous Drain-Source Dio	•			4.5	A
	Maximum Pulsed Drain-Source Diode F				18	А
V _{SD} I	Drain-Source Diode Forward Voltage	$V_{GS} = 0 V, I_{S} = 4.5 A$			1.4	V
t _{rr} I	Reverse Recovery Time	$V_{GS} = 0 V, I_{S} = 4.5 A,$		260		ns
Q _{rr} I	Reverse Recovery Charge	$dI_{F} / dt = 100 \text{ A}/\mu \text{s}$ (Note 4)	-	1.6		μC
V _{SD} I		$V_{GS} = 0 \text{ V}, \text{ I}_{S} = 4.5 \text{ A},$ $dI_{F} / dt = 100 \text{ A}/\mu \text{s}$ (Note 4)				ns

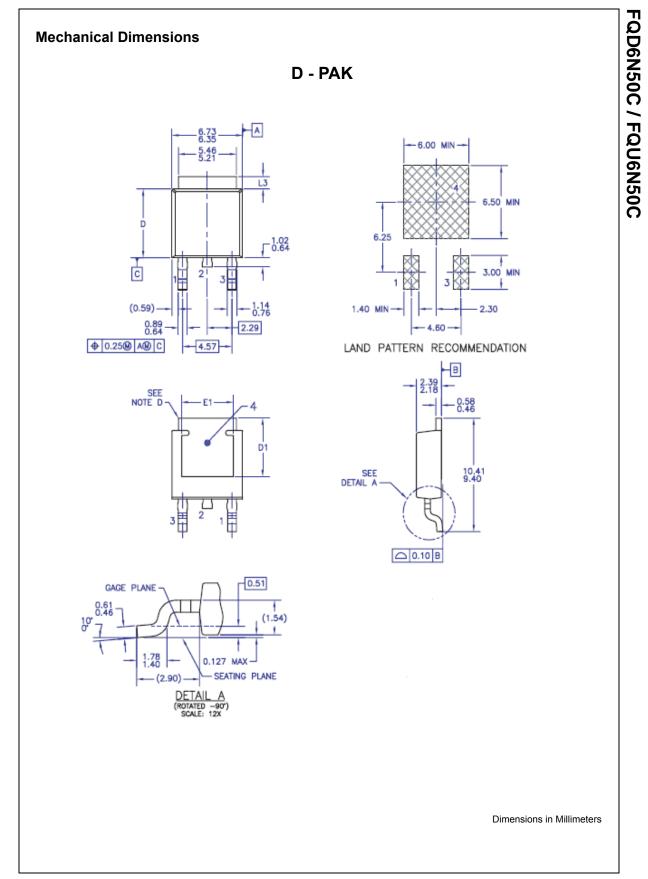


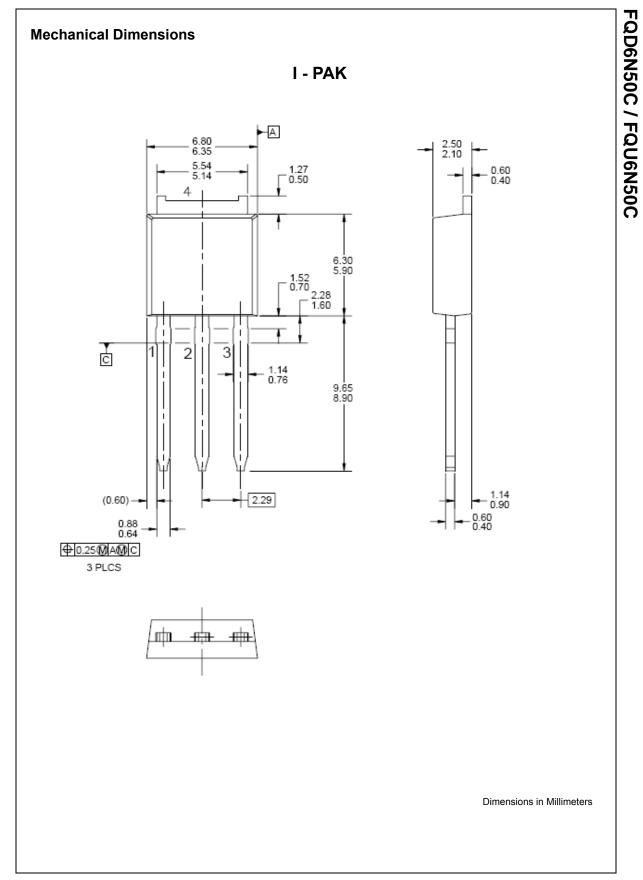




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