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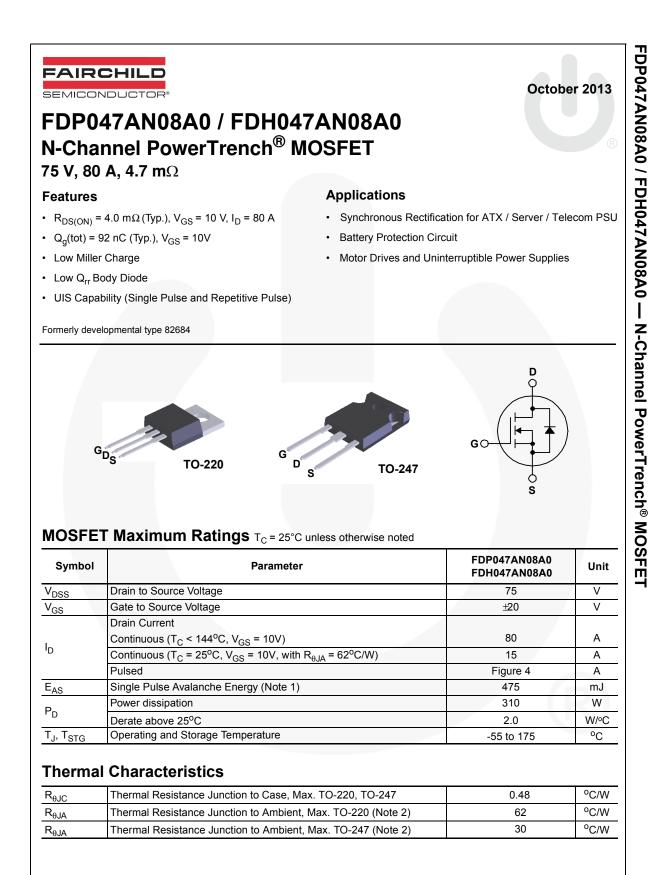
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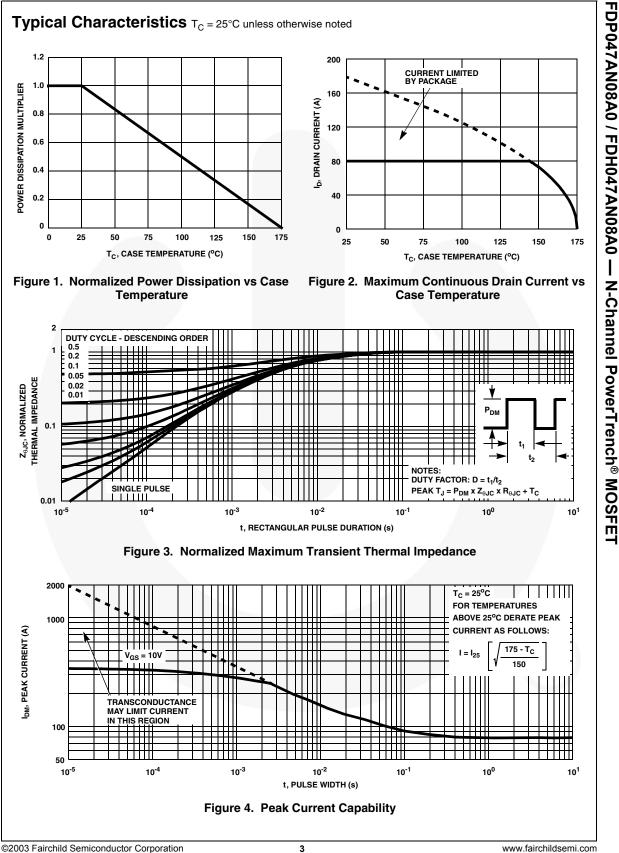
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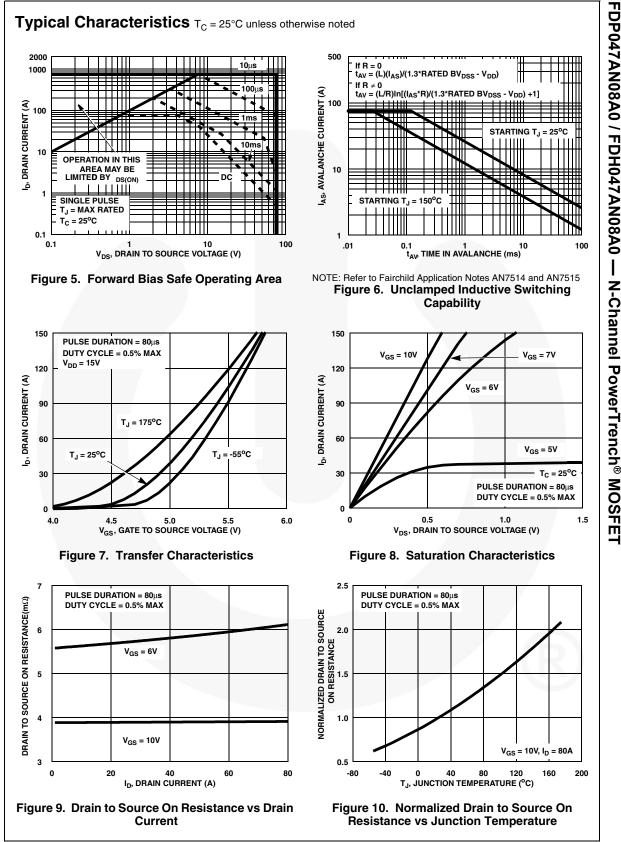


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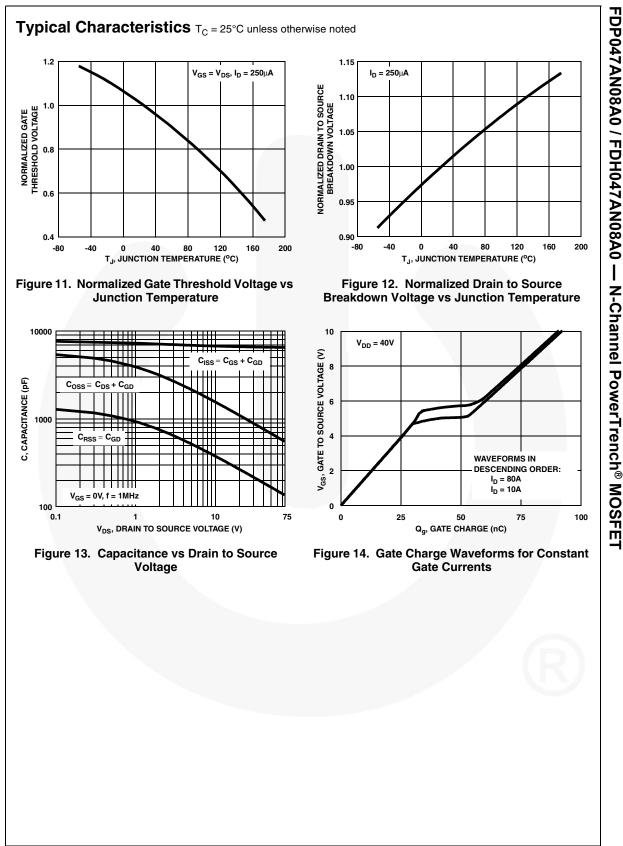
Device Marking FDP047AN08A0		Device	Package	Reel Size	Tape Width N/A		Quantity 50 units	
		FDP047AN08A0	TO-220	Tube				
FDH047AN08A0 FDH047AN08A0		TO-247 Tube		N/A		30 units		
	al Char	acteristics T _C = 25°C						
Symbol	ol Parameter		Test Conditions		Min	Тур	Мах	Unit
Off Chara	cteristic	S						
B _{VDSS}	Drain to S	Drain to Source Breakdown Voltage I _D = 250µ		$V_{GS} = 0V$	75	-	-	V
	Zero Gate Voltage Drain Current		$V_{DS} = 60V$		-	-	1	۸
IDSS	Zero Gale	e voltage Drain Current	$V_{GS} = 0V$	$T_{C} = 150^{\circ}C$	-	-	250	μA
I _{GSS}	Gate to Source Leakage Current		$V_{GS} = \pm 20V$		-	-	±100	nA
On Chara	cteristic							
			$V_{} - V_{}$	2504	2		4	v
V _{GS(TH)}	Gate to Source Threshold Voltage			$V_{GS} = V_{DS}, I_D = 250 \mu A$ $I_D = 80A, V_{GS} = 10V$		0.0040	4	v
	Drain to Source On Resistance		-			0.0047		
r _{DS(ON)}			$I_{\rm D} = 37 {\rm A}, V_{\rm C}$ $I_{\rm D} = 80 {\rm A}, V_{\rm C}$					Ω
			$T_{\rm J} = 175^{\rm o}{\rm C}$			0.0082	0.011	
	<u></u>							
Dynamic								
C _{ISS}	Input Capacitance Output Capacitance		V _{DS} = 25V, V _{GS} = 0V, f = 1MHz		-	6600	-	pF
C _{OSS}					-	1000	-	pF
C _{RSS}		Fransfer Capacitance			-	240	-	pF
Q _{g(TOT)}		e Charge at 10V	$V_{GS} = 0V$ to		-	92	138	nC
Q _{g(TH)}	Threshold Gate Charge		$V_{GS} = 0V$ to		-	11	17	nC
Q _{gs}	Gate to Source Gate Charge			$I_D = 80A$	-	27	-	nC
Q _{gs2}	Gate Charge Threshold to Plateau		I _g = 1.0mA		-	16	-	nC
Q _{gd}	Gate to D	rain "Miller" Charge			-	21	-	nC
Switching	g Charac	teristics (V _{GS} = 10V)						
t _{ON}	Turn-On Time				- 1	-	160	ns
t _{d(ON)}	Turn-On Delay Time				-	18	-	ns
t _r	Rise Time		V _{DD} = 40V, I _D = 80A		-	88	-	ns
t _{d(OFF)}	Turn-Off Delay Time			$V_{GS} = 10V, R_{GS} = 3.3\Omega$		40	-	ns
t _f	Fall Time Turn-Off Time					45	-	ns
t _{OFF}						-	128	ns
		la Charactariatica						
Jrain-50		de Characteristics	[1		1		1.07	
V _{SD}	Source to Drain Diode Voltage		I _{SD} = 80A		-	-	1.25	V
			$I_{SD} = 40A$		-	-	1.0	V
t _{rr}	-	rse Recovery Time $I_{SD} = 75A$, $dI_{SD}/dt = 100A/\mu s$		-	-	53	ns nC	
Q _{RR}	Reverse Recovered Charge		I_{SD} = 75A, dI_{SD}/dt = 100A/µs		-	-	54	nu



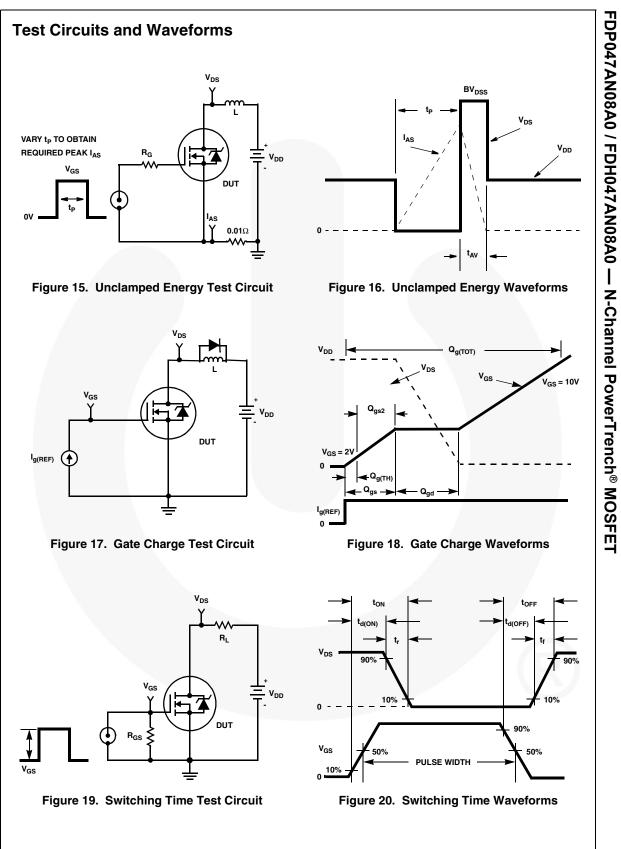
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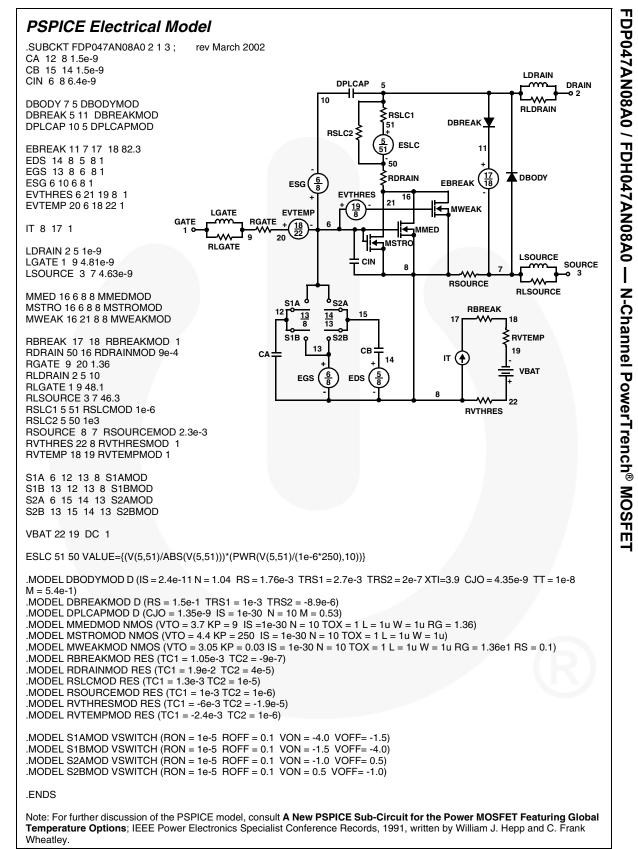


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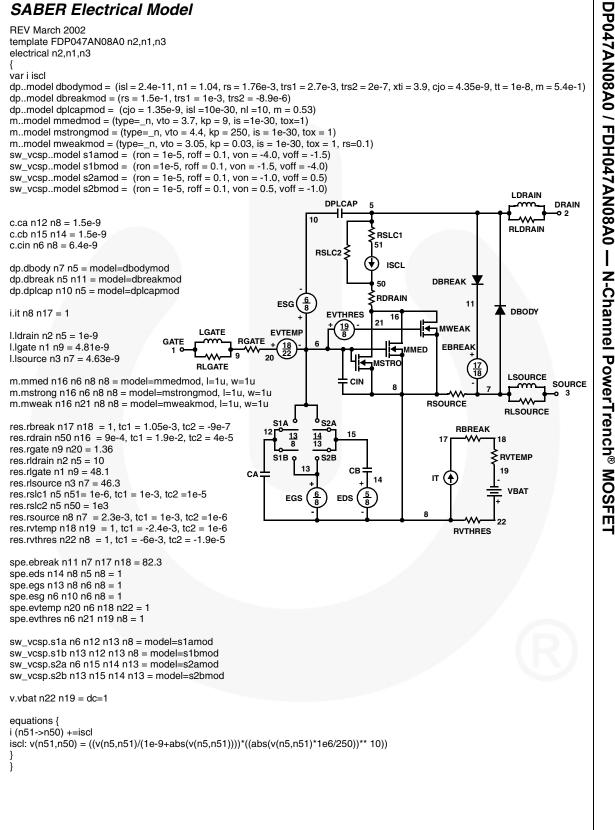


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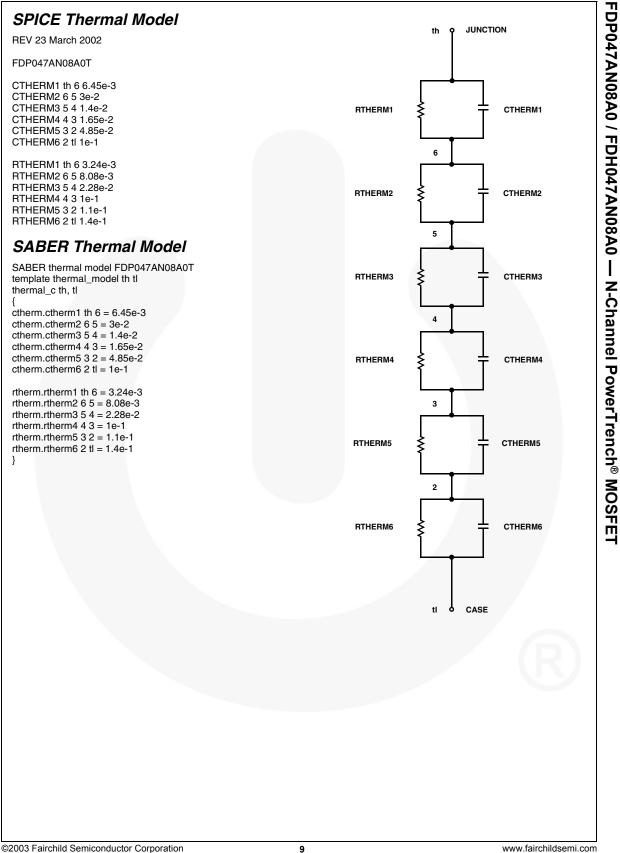


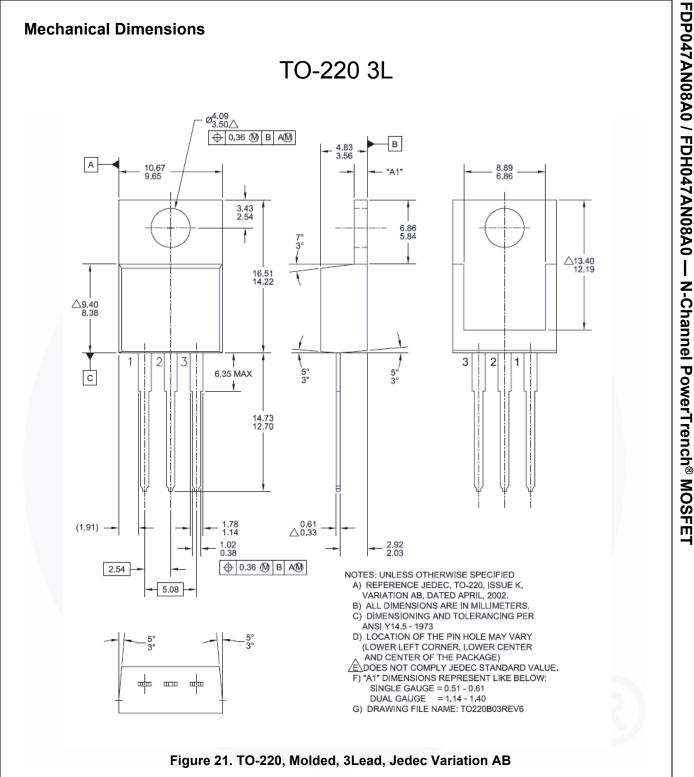


SABER Electrical Model



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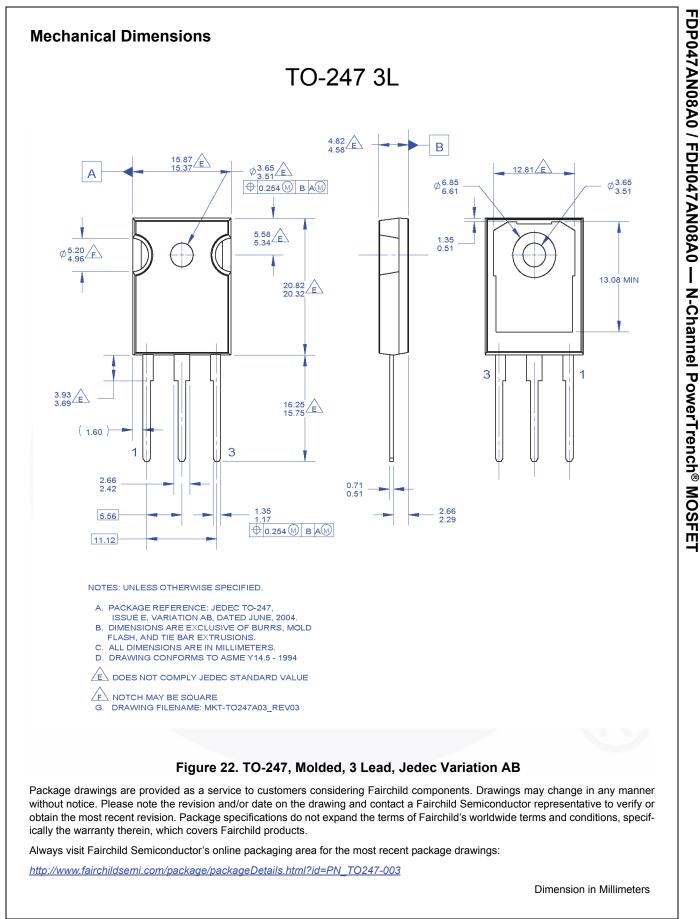


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Dimension in Millimeters





No Identification Needed

Obsolete

Full Production

Not In Production

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