

# FCH76N60N N-Channel SupreMOS<sup>®</sup> MOSFET

# 600 V, 76 A, 36 m $\Omega$

# Features

- $R_{DS(on)}$  = 28 m $\Omega$  (Typ.)@  $V_{GS}$  = 10 V, I<sub>D</sub> = 38 A
- Ultra Low Gate Charge (Typ.Q<sub>g</sub> = 218 nC)
- Low Effective Output Capacitance (Typ. C<sub>oss</sub>.eff = 914 pF)
- 100% Avalanche Tested
- RoHS Compliant

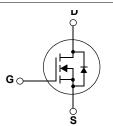
# Application

- Solar Inverter
- AC-DC Power Supply

# Description

The SupreMOS<sup>®</sup> MOSFET is Fairchild Semiconductor<sup>®</sup>'s next generation of high voltage super-junction (SJ) technology employing a deep trench filling process that differentiates it from the conventional SJ MOSFETs. This advanced technology and precise process control provides lowest Rsp on-resistance, superior switching performance and ruggedness. SupreMOS MOSFET is suitable for high frequency switching power converter applications such as PFC, server/telecom power, FPD TV power, ATX power and industrial power applications.





## MOSFET Maximum Ratings T<sub>C</sub> = 25°C unless otherwise noted

Symbol		Parameter		FCH76N60N	Unit	
V <sub>DSS</sub>	Drain to Source Voltage			600	V	
V <sub>GSS</sub>	Gate to Source Voltage			±30	V	
1	Drain Current	-Continuous (T <sub>C</sub> = 25 <sup>o</sup> C)		76		
I <sub>D</sub>	Drain Current	-Continuous (T <sub>C</sub> = 100 <sup>o</sup> C)		48.1	— A	
I <sub>DM</sub>	Drain Current	- Pulsed	- Pulsed (Note 1)			
E <sub>AS</sub>	Single Pulsed Avalanche E	(Note 2)	8022	mJ		
I <sub>AR</sub>	Avalanche Current		25.3	А		
E <sub>AR</sub>	Repetitive Avalanche Ener		5.43	mJ		
dv/dt	MOSFET dv/dt Ruggednes		100	V/ns		
	Peak Diode Recovery dv/d	t	(Note 3)	20	v/ns	
П	Dower Dissinction	(T <sub>C</sub> = 25°C)		543	W	
P <sub>D</sub>	Power Dissipation	- Derate above 25 <sup>o</sup> C		4.34	W/ºC	
T <sub>J</sub> , T <sub>STG</sub>	Operating and Storage Ter	nperature Range		-55 to +150	°C	
TL	Maximum Lead Temperature for Soldering Purpose, 1/8" from Case for 5 Seconds			300	°C	

# Thermal Characteristics

Symbol	Parameter	Ratings		
$R_{ ext{ heta}JC}$	Thermal Resistance, Junction to Case	0.23		
$R_{\theta CS}$	Thermal Resistance, Case to Heat Sink (Typical)	0.24	°C/W	
$R_{ extsf{ heta}JA}$	Thermal Resistance, Junction to Ambient	40		

FCH76N60N N-Channel MOSFET

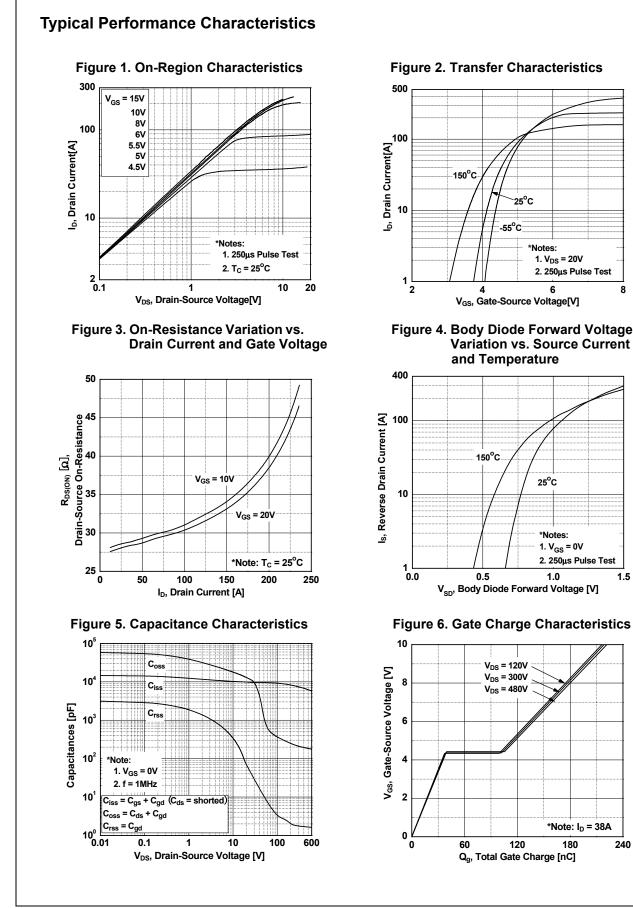
FCH76N60N
<b>N-Channel</b>
MOSFET

Electrical Characteristics T <sub>c</sub> = 25°C unless otherwise noted         Symbol       Parameter       Test Conditions       Min.       Typ.       Max.       L         Off Characteristics         SVpss       Drain to Source Breakdown Voltage $I_D = 250 \ \mu$ A, $V_{GS} = 0 \ V$ , $T_C = 25^{\circ}C$ $600$ -       -       Nax.       V         ABV <sub>DSS</sub> Breakdown Voltage Temperature $I_D = 250 \ \mu$ A, Referenced to $25^{\circ}C$ - $0.73$ -       V         DSS       Zero Gate Voltage Drain Current $V_{DS} = 480 \ V, V_{GS} = 0 \ V$ -       - $100$ Gast       Gate to Body Leakage Current $V_{DS} = 480 \ V, V_{GS} = 0 \ V$ -       - $4.0$ On Characteristics       VGS $V_{GS} = 10 \ V, I_D = 38 \ A$ - $228$ $36$ $100 \ V_{CS} = 20 \ V_{1D} = 38 \ A$ - $90 \ -$ -         Optamic Characteristics       VDM       - $9310 \ 12385 \ Cass$ $200 \ V, OS = 00 \ V, OS = 0 \ V \ AS = 380 \ V, V_{CS} = 0 \ V \ AS = 380 \ V, V_{CS} = 0 \ V \ AS = 380 \ V, V_{CS} = 0 \ V \ AS = 380 \ V, V_{CS} = 0 \ V \ AS = 380 \ V, V_{CS} = 0 \ V \ AS = 380 \ V, V_{CS} = 0 \ V \ AS = 380 \ V \ AS = 300 \ V \ AS = 0 \ V \ AS = 380 \ V \ AS = 380 \ V \ AS = 300 \ V \ AS = 380 \ V \ AS = 300 \ V $	Device M	•	Device	Packa	•	Reel Size	Таре	e Width		Quantity	y	
Dr / f CharacteristicsBVDSS ATy ATyDrain to Source Breakdown Voltage Ibe at Source Dreakdown Voltage Temperature Ibe 250 µA, Referenced to 25°C600ABVDSS ATy CoefficientBreakdown Voltage Temperature Ibe 250 µA, Referenced to 25°C-0.73-VIbessZero Gate Voltage Drain CurrentVDS = 480 V, VGS = 0 V100VDS IdessGate to Body Leakage CurrentVDS = 480 V, VGS = 0 V100VGS(h)Gate Threshold VoltageVGS = VDS, Ib = 250 µA2.0-4.0PRS(on)Static Drain to Source On ResistanceVDS = 100 V, VDS = 0 V-2.836nOptamic CharacteristicsVDS = 100 V, VDS = 0 V, Ib = 38 A-90Dynamic CharacteristicsVDS = 100 V, VDS = 0 V-931012385-CessInput CapacitanceVDS = 100 V, VGS = 0 V-931012385-CessOutput CapacitanceVDS = 380 V, VGS = 0 V, f = 1 MHz195GessOutput CapacitanceVDS = 380 V, VGS = 0 V-914-GessGate to Source Gate ChargeVDS = 380 V, Ib = 38 A-39-GessGate to Source Gate ChargeVDS = 380 V, Ib = 38 A-39-GessGate to Source Gate ChargeVDS = 380 V, Ib = 38 A-3274OrdinuTurn-On Rise TimeRes = 25 Ω3478GessEquivalent	FCH/6N	160N	FCH76N60N	10-24	17	-		-		30		
Dr CharacteristicsBVDSS ATJ CoefficientDrain to Source Breakdown Voltage Ib = 250 $\mu$ A, VGS = 0 V, T <sub>C</sub> = 25°C Ib = 250 $\mu$ A, Referenced to 25°C C Coefficient0.73-V VGS = 480 V, VGS = 0 V V CS = 0 V-10Ibss CoefficientZero Gate Voltage Drain CurrentVDS = 480 V, VGS = 0 V VDS = 480 V, VGS = 0 V VGS = 0 V-100IbssZero Gate Voltage Drain CurrentVDS = 480 V, VGS = 0 V VDS = 480 V, VGS = 0 V-100IbssGate to Body Leakage CurrentVGS = 430 V, VDS = 0 V-24.0PGS(m)Static Drain to Source On ResistanceVGS = 10 V, VDS = 0 V-24.0PGS(m)Static Drain to Source On ResistanceVDS = 100 V, VGS = 0 V-2836nOptamic CharacteristicsDispectationeVDS = 100 V, VGS = 0 V-931012385-CossOutput CapacitanceVDS = 100 V, VGS = 0 V-931012385-CossOutput CapacitanceVDS = 380 V, VGS = 0 V, f = 1 MHz195CossOutput CapacitanceVDS = 380 V, VGS = 0 V, f = 1 MHz195OgaGate to Source Gate ChargeVDS = 380 V, VGS = 0 V, f = 1 MHz195OgaGate to Source Gate ChargeVDS = 380 V, VGS = 0 V-914OgaGate to Drain TMIIIer' ChargeVDS = 380 V, ID = 38 A-39OggGate to Drain TMIIIer' ChargeVDS = 380 V, ID = 38 A	Electrica	l Char	acteristics T <sub>c</sub> =	25°C unless	otherwis	se noted						
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	$\Delta T_{1}$		0 1	ure	I <sub>D</sub> = 25	50 $\mu$ A, Referenced to	25°C	-	0.73	-	V/°C	
					V <sub>DS</sub> =	480 V, V <sub>GS</sub> = 0 V		-	-	10		
	DSS	Zero Ga	ite Voltage Drain Curre	ent			= 125 <sup>o</sup> C	-	-	100	μA	
VGS(th)       Gate Threshold Voltage $V_{GS} = V_{DS}$ , $I_D = 250 \ \mu A$ 2.0       -       4.0         RDS(on)       Static Drain to Source On Resistance $V_{GS} = 10 \ V, I_D = 38 \ A$ -       28       36       1         GFS       Forward Transconductance $V_{DS} = 20 \ V, I_D = 38 \ A$ -       90       -       1         Oppamic Characteristics       VDS       = 100 V, $V_{GS} = 0 \ V$ -       9310       12385       -         Criss       Input Capacitance $V_{DS} = 100 \ V, V_{GS} = 0 \ V$ -       9310       12385       -       -       3.1       5       -       -       3.1       5       -       -       -       3.1       5       -       -       3.1       5       -       -       -       3.1       5       -       -       -       3.1       5       -       -       -       3.1       5       -       -       -       3.1       5       -       -       -       2.18       2.85       -       -       3.1       5       -       -       2.18       2.85       -       -       3.1       5       -       -       2.18       2.85       -       -       2.18	GSS	Gate to	Body Leakage Curren	t	V <sub>GS</sub> =	±30 V, V <sub>DS</sub> = 0 V		-	-	±100	nA	
VGS(h)       Gate Threshold Voltage       VGS = VDS, ID = 250 $\mu$ A       2.0       -       4.0         RDS(on)       Static Drain to Source On Resistance       VGS = 10 V, ID = 38 A       -       28       36       1         GFS       Forward Transconductance       VDS = 20 V, ID = 38 A       -       90       -       4.0         Optimic Characteristics       VDS = 100 V, VGS = 0 V       -       9310       12385       -         Ciss       Input Capacitance       VDS = 100 V, VGS = 0 V       -       9310       12385       -         Coss       Output Capacitance       VDS = 380 V, VGS = 0 V, f = 1 MHz       -       195       -       -       3.1       5       -       -       3.1       5       -       -       -       14       -       -       -       14       -       -       0.0000       -       0.0000       -       0.0000       -       0.0000       -       0.0000       -       0.0000       -       0.0000       -       0.0000       -       0.00000       -       0.00000       -       0.00000       -       0.00000       -       0.00000       -       0.00000       -       0.000000       -       0.000000       -       0.0000000 <td>)n Charac</td> <td>toriotio</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	)n Charac	toriotio										
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Dynamic CharacteristicsCissInput Capacitance $V_{DS} = 100 \text{ V}, V_{GS} = 0 \text{ V}$ -931012385CosesOutput Capacitance $f = 1 \text{ MHz}$ -370495CressReverse Transfer Capacitance-3.15CossOutput Capacitance $V_{DS} = 380 \text{ V}, V_{GS} = 0 \text{ V}, f = 1 \text{ MHz}$ -195-CossOutput Capacitance $V_{DS} = 380 \text{ V}, V_{GS} = 0 \text{ V}$ -914-Cosseff.Effective Output Capacitance $V_{DS} = 380 \text{ V}, V_{GS} = 0 \text{ V}$ -914-Cosseff.Gate to Surce Gate Charge $V_{DS} = 380 \text{ V}, I_D = 38 \text{ A},$ -39-Cg(tot)Total Gate Charge at 10V $V_{CS} = 10 \text{ V}$ -666-CageGate to Drain "Miller" Charge $V_{CS} = 10 \text{ V}$ -666-CageGate to Drain "Miller" Charge $V_{CS} = 10 \text{ V}$ -666-CageCasteristics-1Switching Characteristicsd(orf)Turn-On Rise Time $V_{DD} = 380 \text{ V}, I_D = 38 \text{ A}$ -235480 $f$ Turn-Off Fall Time(Note 4)-3274Chain-Source Diode CharacteristicssMaximum Continuous Drain to Source Diode Forward Current228 $f_{SD}$ Drain to Source Diode Forward Current228 $f_{SD}$ Drain to Source Diode Forward Current1.2 <td></td> <td colspan="2"></td> <td>sistance</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>mΩ</td>				sistance					-		mΩ	
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Coses CosesOutput Capacitance $V_{DS} = 380 V, V_{GS} = 0 V, f = 1 MHz$ -195-Cosse Gosseff.Effective Output Capacitance $V_{DS} = 0 V$ to $380 V, V_{GS} = 0 V$ -914-CagtorTotal Gate Charge at 10V $V_{DS} = 0 V$ to $380 V, V_{GS} = 0 V$ -914-CagsGate to Source Gate Charge $V_{DS} = 380 V, I_D = 38 A, V_{GS} = 10 V$ -218285CagdGate to Drain "Miller" Charge $V_{CS} = 10 V$ -66-Equivalent Series Resistance(G-S)Drain Open-1-Switching CharacteristicsrTurn-On Delay Time $V_{DD} = 380 V, I_D = 38 A$ -2458rTurn-Off Delay Time $V_{DD} = 380 V, I_D = 38 A$ -235480rTurn-Off Fall Time $V_{DD} = 380 V, I_D = 38 A$ -2458rTurn-Off Fall Time $V_{DD} = 380 V, I_D = 38 A$ -235480rTurn-Off Fall Time $V_{DD} = 380 V, I_D = 38 A$ -2235480rTurn-Off Fall Time $V_{CS} = 0 V, I_{SD} = 38 A$ 228sMaximum Continuous Drain to Source Diode Forward Current76SMMaximum Pulsed Drain to Source Diode Forward Current228 $V_{SD}$ Drain to Source Diode Forward Voltage $V_{GS} = 0 V, I_{SD} = 38 A$ 1.2 $V_{SD}$ Drain to Source Diode Forward Voltage $V_{GS} = 0 V, I_{SD} = 38 A$ 1.2 <td></td> <td>-</td> <td></td> <td>9</td> <td>-1 = 1  N</td> <td>IHZ</td> <td>_</td> <td>-</td> <td>3.1</td> <td>5</td> <td>pF</td>		-		9	-1 = 1  N	IHZ	_	-	3.1	5	pF	
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $								-	218	285	nC	
$\begin{array}{c c c c c c c c c } \hline Q_{GS} & Gate to Drain "Miller" Charge & V_{GS} = 10 V & & - & 66 & - & \\ \hline & & & & & & & \\ \hline & & & & & & \\ \hline & & & &$		Gate to	Source Gate Charge				-	-	39	-	nC	
ESREquivalent Series Resistance(G-S)Drain Open-1-Switching Characteristics $t_{d(on)}$ Turn-On Delay Time $t_r$ $V_{DD} = 380 V, I_D = 38 A$ $R_{GEN} = 25 \Omega$ -3478 $t_{d(off)}$ Turn-Off Delay Time $t_f$ V_{DD} = 380 V, I_D = 38 A $R_{GEN} = 25 \Omega$ -235480 $t_f$ Turn-Off Fall Time(Note 4)-3274Orain-Source Diode Characteristics $t_S$ Maximum Continuous Drain to Source Diode Forward Current76 $l_S$ Maximum Pulsed Drain to Source Diode Forward Current1.2 $V_{SD}$ Drain to Source Diode Forward Voltage $V_{GS} = 0 V, I_{SD} = 38 A$ 1.2 $t_{rr}$ Reverse Recovery Time $V_{GS} = 0 V, I_{SD} = 38 A$ -612- $Q_{rr}$ Reverse Recovery Charge $dI_F/dt = 100 A/\mu s$ -16- $Repetitive Rating: Pulse width limited by maximum junction temperature:1.6-t_{A_S} = 25.3 A, R_G = 25 \Omega, Starting T_J = 25^{\circ}C::::$		Gate to	Drain "Miller" Charge		V <sub>GS</sub> =			-	66	-	nC	
Switching Characteristics $t_{d(on)}$ Turn-On Delay Time $V_{DD} = 380 \text{ V}, I_D = 38 \text{ A}$ $ 34$ $78$ $t_r$ Turn-On Rise Time $V_{DD} = 380 \text{ V}, I_D = 38 \text{ A}$ $ 24$ $58$ $t_{d(off)}$ Turn-Off Delay Time $ 235$ $480$ $t_r$ Turn-Off Fall Time $(Note 4)$ $ 32$ $74$ Orain-Source Diode CharacteristicsIsMaximum Continuous Drain to Source Diode Forward Current $  76$ IsMaximum Pulsed Drain to Source Diode Forward Current $  228$ VSDDrain to Source Diode Forward Voltage $V_{GS} = 0 \text{ V}, I_{SD} = 38 \text{ A}$ $  1.2$ $t_{rr}$ Reverse Recovery Time $V_{GS} = 0 \text{ V}, I_{SD} = 38 \text{ A}$ $  1.2$ $Q_{rr}$ Reverse Recovery Charge $dI_F/dt = 100 \text{ A/µs}$ $ 612$ $-$ Isegettive Rating: Pulse width limited by maximum junction temperature $Starting T_J = 25^{\circ}C$		Equivale	ent Series Resistance	G-S)	Drain			-	1	-	Ω	
Turn-On Delay Time trVDD = 380 V, ID = 38 A-3478trTurn-On Rise Time td(off)Turn-Off Delay Time Turn-Off Fall TimeVDD = 380 V, ID = 38 A-2458r235480tfTurn-Off Fall Time(Note 4)-3274Orain-Source Diode CharacteristicsIsMaximum Continuous Drain to Source Diode Forward Current76IsMaximum Pulsed Drain to Source Diode Forward Current228VSDDrain to Source Diode Forward VoltageVGS = 0 V, ISD = 38 A1.2trrReverse Recovery TimeVGS = 0 V, ISD = 38 A-612-QrrReverse Recovery ChargedIF/dt = 100 A/µs-16-Notes:Notes:Lage 25.0, Starting TJ = 25°C				)								
u(n)Turn-On Rise Time $V_{DD} = 380$ V, $I_D = 38$ A-2458 $t_{d(off)}$ Turn-Off Delay TimeR_{GEN} = 25 \Omega-235480 $t_{f}$ Turn-Off Fall Time(Note 4)-3274Orain-Source Diode Characteristics $I_S$ Maximum Continuous Drain to Source Diode Forward Current76 $I_{SM}$ Maximum Pulsed Drain to Source Diode Forward Current228 $V_{SD}$ Drain to Source Diode Forward Voltage $V_{GS} = 0$ V, $I_{SD} = 38$ A1.2 $t_{rr}$ Reverse Recovery Time $V_{GS} = 0$ V, $I_{SD} = 38$ A-612- $Q_{rr}$ Reverse Recovery Charge $dI_F/dt = 100$ A/ $\mu$ s-16-Notes:. Repetitive Rating: Pulse width limited by maximum junction temperatureL $I_{AS} = 25.3$ A, $R_G = 25 \Omega$ , Starting $T_J = 25^{\circ}$ C	Switching	Charact	teristics									
td(off)Turn-Off Delay Time $R_{GEN} = 25 \Omega$ -235480 $t_{f}$ Turn-Off Fall Time $(Note 4)$ -3274Orain-Source Diode Characteristics $l_S$ Maximum Continuous Drain to Source Diode Forward Current76 $l_{SM}$ Maximum Pulsed Drain to Source Diode Forward Current228 $V_{SD}$ Drain to Source Diode Forward Voltage $V_{GS} = 0 V, I_{SD} = 38 A$ 1.2 $t_{rr}$ Reverse Recovery Time $V_{GS} = 0 V, I_{SD} = 38 A$ -612- $Q_{rr}$ Reverse Recovery Charge $dI_F/dt = 100 A/\mu s$ -16-Notes:. Repetitive Rating: Pulse width limited by maximum junction temperature. $I_{AS} = 25.3 A, R_G = 25 \Omega, Starting T_J = 25°C$	d(on)	Turn-On	Delay Time				-	34	78	ns		
Interform       Turn-Off Fall Time       Interform       Inter	r	Turn-On	Rise Time				_	-	24	58	ns	
Drain-Source Diode Characteristics $I_S$ Maximum Continuous Drain to Source Diode Forward Current       -       -       76 $I_{SM}$ Maximum Pulsed Drain to Source Diode Forward Current       -       -       228 $V_{SD}$ Drain to Source Diode Forward Voltage $V_{GS} = 0 V$ , $I_{SD} = 38 A$ -       -       1.2 $t_{rr}$ Reverse Recovery Time $V_{GS} = 0 V$ , $I_{SD} = 38 A$ -       612       - $Q_{rr}$ Reverse Recovery Charge $dI_F/dt = 100 A/\mu s$ -       16       -         Issue width limited by maximum junction temperature         As $_S = 25.0$ , Starting $T_J = 25^{\circ}C$	t <sub>d(off)</sub>				R <sub>GEN</sub>	= 25 Ω	_	-	235	480	ns	
InstructionMaximum Continuous Drain to Source Diode Forward Current76ISMMaximum Pulsed Drain to Source Diode Forward Current228VSDDrain to Source Diode Forward Voltage $V_{GS} = 0 V, I_{SD} = 38 A$ 1.2trrReverse Recovery Time $V_{GS} = 0 V, I_{SD} = 38 A$ -612-QrrReverse Recovery Charge $dI_F/dt = 100 A/\mu s$ -16-IntersectionRepetitive Rating: Pulse width limited by maximum junction temperatureIntersectionIntersectionIntersectionIntersectionReverse Recovery ChargeIntersection <td colsp<="" td=""><td>f</td><td>Turn-Off</td><td>Fall Time</td><td></td><td></td><td>(Note 4)</td><td></td><td>-</td><td>32</td><td>74</td><td>ns</td></td>	<td>f</td> <td>Turn-Off</td> <td>Fall Time</td> <td></td> <td></td> <td>(Note 4)</td> <td></td> <td>-</td> <td>32</td> <td>74</td> <td>ns</td>	f	Turn-Off	Fall Time			(Note 4)		-	32	74	ns
InstructionMaximum Continuous Drain to Source Diode Forward Current76ISMMaximum Pulsed Drain to Source Diode Forward Current228VSDDrain to Source Diode Forward Voltage $V_{GS} = 0 V, I_{SD} = 38 A$ 1.2trrReverse Recovery Time $V_{GS} = 0 V, I_{SD} = 38 A$ -612-QrrReverse Recovery Charge $dI_F/dt = 100 A/\mu s$ -16-IntersectionRepetitive Rating: Pulse width limited by maximum junction temperatureIntersectionIntersectionIntersectionIntersectionReverse Recovery ChargeIntersection <td colsp<="" td=""><td>Drain-Sou</td><td>rce Dior</td><td>le Characteristic</td><td>s</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	<td>Drain-Sou</td> <td>rce Dior</td> <td>le Characteristic</td> <td>s</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Drain-Sou	rce Dior	le Characteristic	s							
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											A	
Reverse Recovery Time $V_{GS} = 0 \text{ V}, I_{SD} = 38 \text{ A}$ -       612       - $Q_{rr}$ Reverse Recovery Charge $dI_F/dt = 100 \text{ A}/\mu \text{s}$ -       16       -         lotes: . Repetitive Rating: Pulse width limited by maximum junction temperature . $I_{AS} = 25.3 \text{ A}, R_G = 25.\Omega, Starting T_J = 25^{\circ}C$									-		V	
Reverse Recovery Charge $dI_F/dt = 100 \text{ A}/\mu \text{s}$ -       16       -         Iotes:       .<				a voilage		-			612		ns	
Intersection of the section of the sectin of the section of the section of the section of the							F			-	μC	
. Repetitive Rating: Pulse width limited by maximum junction temperature . $I_{AS}$ = 25.3 A, $R_G$ = 25 $\Omega$ , Starting $T_J$ = 25°C					F. ***	F				1	μΟ	
		-		temperature								
		-		c								
. I <sub>SD</sub> $\leq$ 76 A, di/dt $\leq$ 200 A/µs, V <sub>DD</sub> $\leq$ 380 V, Starting T <sub>J</sub> = 25°C . Essentially Independent of Operating Temperature Typical Characteristics												

6

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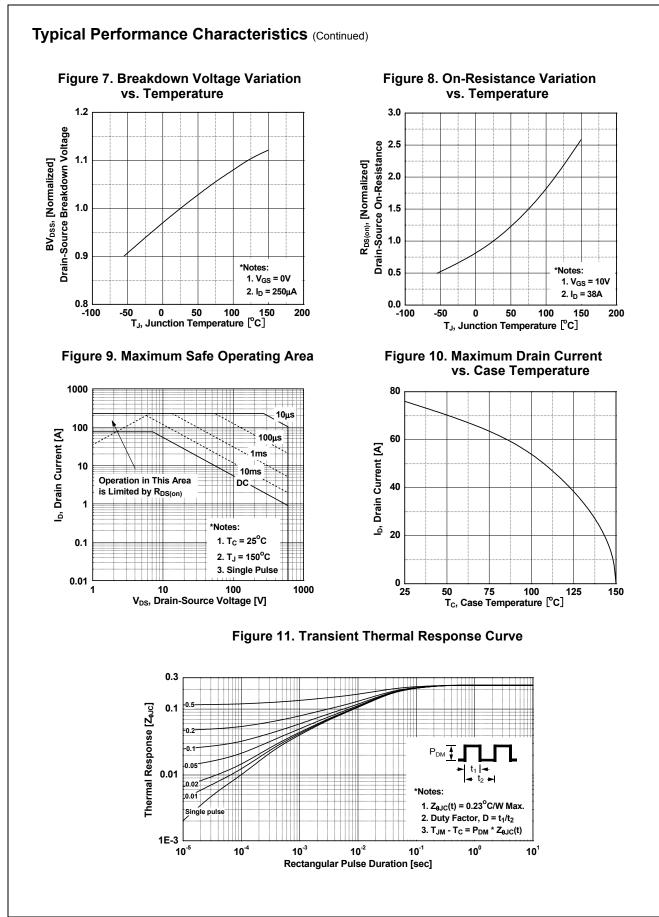
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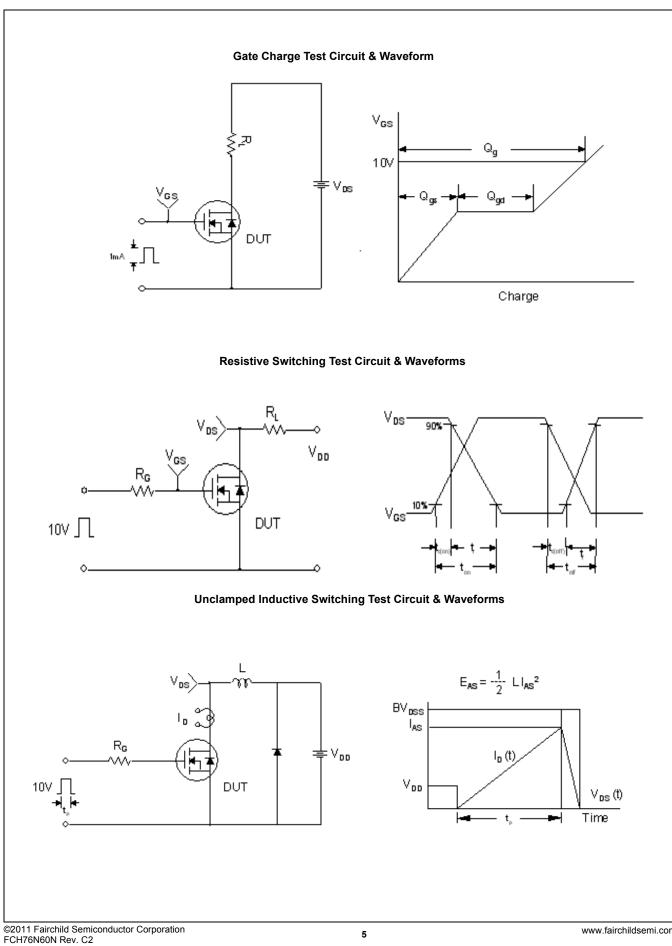
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240

180

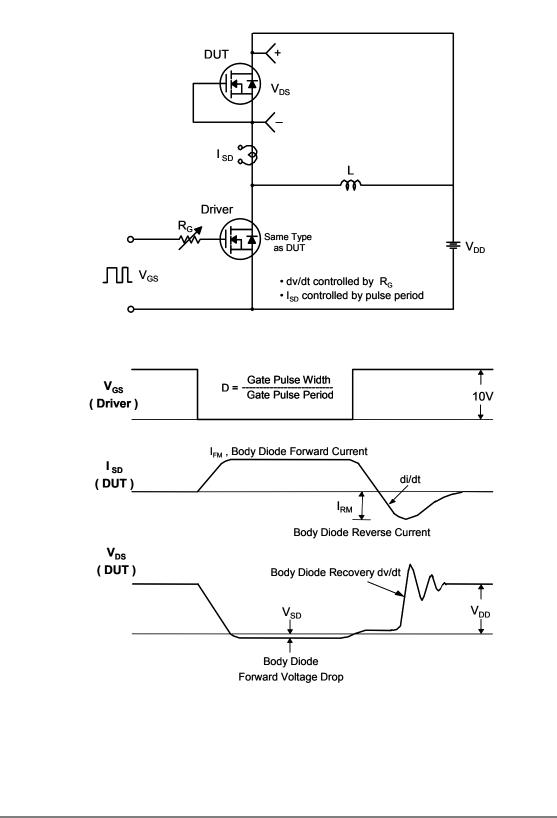


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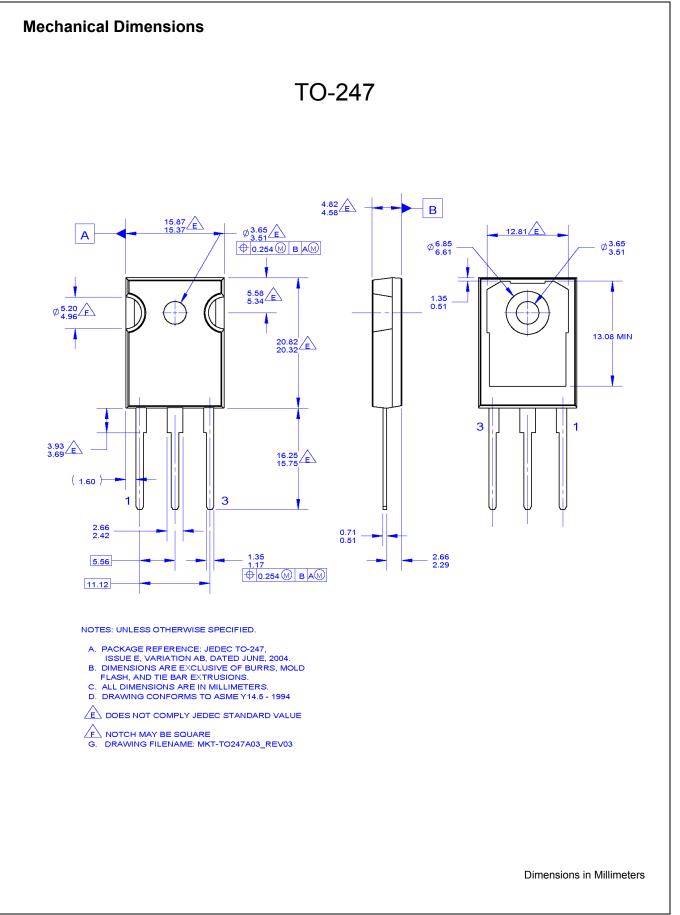


FCH76N60N N-Channel MOSFET

### Peak Diode Recovery dv/dt Test Circuit & Waveforms



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