



Is Now Part of



**ON Semiconductor®**

To learn more about ON Semiconductor, please visit our website at  
[www.onsemi.com](http://www.onsemi.com)

Please note: As part of the Fairchild Semiconductor integration, some of the Fairchild orderable part numbers will need to change in order to meet ON Semiconductor's system requirements. Since the ON Semiconductor product management systems do not have the ability to manage part nomenclature that utilizes an underscore (\_), the underscore (\_) in the Fairchild part numbers will be changed to a dash (-). This document may contain device numbers with an underscore (\_). Please check the ON Semiconductor website to verify the updated device numbers. The most current and up-to-date ordering information can be found at [www.onsemi.com](http://www.onsemi.com). Please email any questions regarding the system integration to [Fairchild\\_questions@onsemi.com](mailto:Fairchild_questions@onsemi.com).

ON Semiconductor and the ON Semiconductor logo are trademarks of Semiconductor Components Industries, LLC dba ON Semiconductor or its subsidiaries in the United States and/or other countries. ON Semiconductor owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of ON Semiconductor's product/patent coverage may be accessed at [www.onsemi.com/site/pdf/Patent-Marking.pdf](http://www.onsemi.com/site/pdf/Patent-Marking.pdf). ON Semiconductor reserves the right to make changes without further notice to any products herein. ON Semiconductor makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does ON Semiconductor assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using ON Semiconductor products, including compliance with all laws, regulations and safety requirements or standards, regardless of any support or applications information provided by ON Semiconductor. "Typical" parameters which may be provided in ON Semiconductor data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. ON Semiconductor does not convey any license under its patent rights nor the rights of others. ON Semiconductor products are not designed, intended, or authorized for use as a critical component in life support systems or any FDA Class 3 medical devices or medical devices with a same or similar classification in a foreign jurisdiction or any devices intended for implantation in the human body. Should Buyer purchase or use ON Semiconductor products for any such unintended or unauthorized application, Buyer shall indemnify and hold ON Semiconductor and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that ON Semiconductor was negligent regarding the design or manufacture of the part. ON Semiconductor is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.

# FDMC7582

## N-Channel PowerTrench® MOSFET 25 V, 49 A, 5.0 mΩ

### Features

- Max  $r_{DS(on)}$  = 5.0 mΩ at  $V_{GS} = 10 V$ ,  $I_D = 16.7 A$
- Max  $r_{DS(on)}$  = 7.5 mΩ at  $V_{GS} = 4.5 V$ ,  $I_D = 13.6 A$
- State-of-the-art switching performance
- Lower output capacitance, gate resistance, and gate charge boost efficiency
- Shielded gate technology reduces switch node ringing and increases immunity to EMI and cross conduction
- Clip bonding technology further reduces On resistance and source inductance
- RoHS Compliant

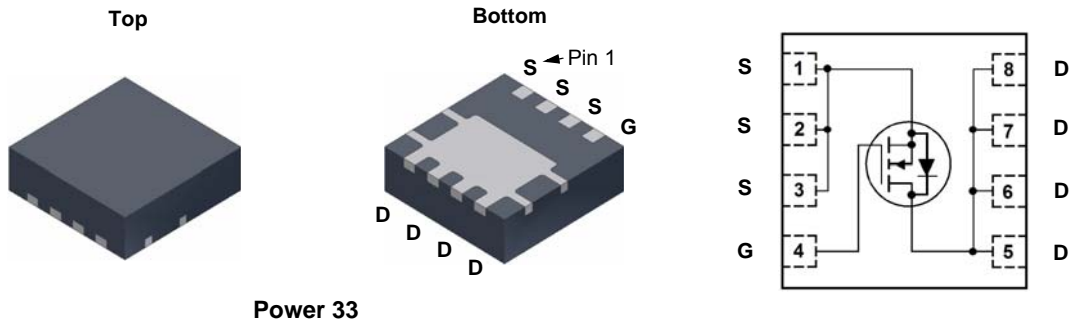


### General Description

This N-Channel MOSFET has been designed specifically to improve the overall efficiency and to minimize switch node ringing of DC/DC converters using either synchronous or conventional switching PWM controllers. It has been optimized for low gate charge, low  $r_{DS(on)}$ , fast switching speed and body diode reverse recovery performance..

### Application

- High side switching for high end computing
- High power density DC-DC synchronous buck
- Low loss load switch
- Communication & telecon Point of Load



Power 33

### MOSFET Maximum Ratings $T_A = 25^\circ C$ unless otherwise noted

| Symbol         | Parameter   | Rated       | Units      |
|----------------|---|-------------|------------|
| $V_{DS}$       | Drain to Source Voltage                                       | 25          | V          |
| $V_{GS}$       | Gate to Source Voltage (Note 3)                               | $\pm 20$    | V          |
| $I_D$          | Drain Current - Continuous (Package limited) $T_C=25^\circ C$ | 49          | A          |
|                | - Continuous (Silicon Limited) $T_C=25^\circ C$               | 76          |            |
|                | - Continuous $T_A = 25^\circ C$ (Note 1a)                     | 16.7        |            |
|                | - Pulsed  | 60          |            |
| $E_{AS}$       | Single Pulse Avalanche Energy (Note 4)                        | 38          | mJ         |
| $P_D$          | Power Dissipation $T_C = 25^\circ C$                          | 52          | W          |
|                | Power Dissipation $T_A = 25^\circ C$ (Note 1a)                | 2.3         |            |
| $T_J, T_{STG}$ | Operating and Storage Junction Temperature Range              | -55 to +150 | $^\circ C$ |

### Thermal Characteristics

|                 |   |     |              |
|-----------------|---|-----|--------------|
| $R_{\theta JC}$ | Thermal Resistance, Junction to Case              | 2.4 | $^\circ C/W$ |
| $R_{\theta JA}$ | Thermal Resistance, Junction to Ambient (Note 1a) | 53  |              |

### Package Marking and Ordering Information

| Device Marking | Device   | Package  | Reel Size | Tape Width | Quantity   |
|----------------|----------|----------|-----------|------------|------------|
| FDMC7582       | FDMC7582 | Power 33 | 13 "      | 12 mm      | 3000 units |

## Electrical Characteristics $T_J = 25\text{ }^\circ\text{C}$ unless otherwise noted

| Symbol | Parameter | Test Conditions | Min | Typ | Max | Units |
|--------|-----------|-----------------|-----|-----|-----|-------|
|--------|-----------|-----------------|-----|-----|-----|-------|

### Off Characteristics

|                                      |   |   |    |    |     |                      |
|--------------------------------------|---|---|----|----|-----|----------------------|
| $BV_{DSS}$                           | Drain to Source Breakdown Voltage         | $I_D = 250\text{ }\mu\text{A}$ , $V_{GS} = 0\text{ V}$                    | 25 |    |     | V                    |
| $\frac{\Delta BV_{DSS}}{\Delta T_J}$ | Breakdown Voltage Temperature Coefficient | $I_D = 250\text{ }\mu\text{A}$ , referenced to $25\text{ }^\circ\text{C}$ |    | 19 |     | mV/ $^\circ\text{C}$ |
| $I_{DSS}$                            | Zero Gate Voltage Drain Current           | $V_{DS} = 20\text{ V}$ , $V_{GS} = 0\text{ V}$                            |    |    | 1   | $\mu\text{A}$        |
| $I_{GSS}$                            | Gate to Source Leakage Current, Forward   | $V_{GS} = 20\text{ V}$ , $V_{DS} = 0\text{ V}$                            |    |    | 100 | nA                   |

### On Characteristics

|  |  |  |     |     |     |                      |
|--|--|--|-----|-----|-----|----------------------|
| $V_{GS(th)}$                           | Gate to Source Threshold Voltage                         | $V_{GS} = V_{DS}$ , $I_D = 250\text{ }\mu\text{A}$                                 | 1.2 | 1.7 | 2.5 | V                    |
| $\frac{\Delta V_{GS(th)}}{\Delta T_J}$ | Gate to Source Threshold Voltage Temperature Coefficient | $I_D = 250\text{ }\mu\text{A}$ , referenced to $25\text{ }^\circ\text{C}$          |     | -5  |     | mV/ $^\circ\text{C}$ |
| $r_{DS(on)}$                           | Static Drain to Source On Resistance                     | $V_{GS} = 10\text{ V}$ , $I_D = 16.7\text{ A}$                                     |     | 4.0 | 5.0 | m $\Omega$           |
|  |  | $V_{GS} = 4.5\text{ V}$ , $I_D = 13.6\text{ A}$                                    |     | 6.0 | 7.5 |                      |
|  |  | $V_{GS} = 10\text{ V}$ , $I_D = 16.7\text{ A}$ , $T_J = 125\text{ }^\circ\text{C}$ |     | 5.4 | 7.0 |                      |
| $g_{FS}$                               | Forward Transconductance                                 | $V_{DD} = 5\text{ V}$ , $I_D = 16.7\text{ A}$                                      |     | 58  |     | S                    |

### Dynamic Characteristics

|           |                              |  |     |      |      |               |
|-----------|------------------------------|--|-----|------|------|---------------|
| $C_{iss}$ | Input Capacitance            | $V_{DS} = 13\text{ V}$ , $V_{GS} = 0\text{ V}$ ,<br>$f = 1\text{ MHz}$ |     | 1348 | 1795 | $\mu\text{F}$ |
| $C_{oss}$ | Output Capacitance           |  |     | 372  | 495  |               |
| $C_{rss}$ | Reverse Transfer Capacitance |  |     | 79   | 120  |               |
| $R_g$     | Gate Resistance              |  | 0.1 | 0.9  | 2.9  |               |

### Switching Characteristics

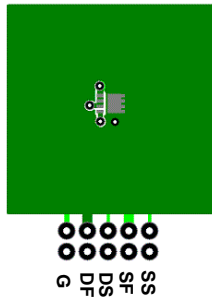
|              |                               |  |  |     |    |    |
|--------------|-------------------------------|--|--|-----|----|----|
| $t_{d(on)}$  | Turn-On Delay Time            | $V_{DD} = 13\text{ V}$ , $I_D = 16.7\text{ A}$ ,<br>$V_{GS} = 10\text{ V}$ , $R_{GEN} = 6\text{ }\Omega$ |  | 8.8 | 18 | ns |
| $t_r$        | Rise Time                     |  |  | 2   | 10 |    |
| $t_{d(off)}$ | Turn-Off Delay Time           |  |  | 20  | 36 |    |
| $t_f$        | Fall Time                     |  |  | 1.6 | 10 |    |
| $Q_{g(TOT)}$ | Total Gate Charge at 10V      | $V_{DD} = 13\text{ V}$ , $I_D = 16.7\text{ A}$   |  | 20  | 28 | nC |
| $Q_{g(TOT)}$ | Total Gate Charge at 4.5V     |  |  | 9.5 | 13 |    |
| $Q_{gs}$     | Total Gate Charge             |  |  | 3.9 |    |    |
| $Q_{gd}$     | Gate to Drain "Miller" Charge |  |  | 2.5 |    |    |

### Drain-Source Diode Characteristics

|          |                                       |  |  |     |     |    |
|----------|---------------------------------------|--|--|-----|-----|----|
| $V_{SD}$ | Source to Drain Diode Forward Voltage | $V_{GS} = 0\text{ V}$ , $I_S = 16.7\text{ A}$ (Note 2)     |  | 0.8 | 1.3 | V  |
|          |                                       | $V_{GS} = 0\text{ V}$ , $I_S = 2\text{ A}$ (Note 2)        |  | 0.7 | 1.2 |    |
| $t_{rr}$ | Reverse Recovery Time                 | $I_F = 16.7\text{ A}$ , $di/dt = 100\text{ A}/\mu\text{s}$ |  | 22  | 39  | ns |
| $Q_{rr}$ | Reverse Recovery Charge               |  |  | 7   | 14  |    |

### Notes:

1.  $R_{\theta JA}$  is determined with the device mounted on a  $1\text{ in}^2$  pad 2 oz copper pad on a  $1.5 \times 1.5\text{ in.}$  board of FR-4 material.  $R_{\theta JC}$  is guaranteed by design while  $R_{\theta CA}$  is determined by the user's board design.



a.  $53\text{ }^\circ\text{C/W}$  when mounted on a  $1\text{ in}^2$  pad of 2 oz copper



b.  $125\text{ }^\circ\text{C/W}$  when mounted on a minimum pad of 2 oz copper

2. Pulse Test: Pulse Width <  $300\text{ }\mu\text{s}$ , Duty cycle < 2.0%.

3. As an N-ch device, the negative  $V_{GS}$  rating is for low duty cycle pulse occurrence only. No continuous rating is implied.

4. EAS of 38 mJ is based on starting  $T_J = 25\text{ }^\circ\text{C}$ ; N-ch:  $L = 0.3\text{ mH}$ ,  $I_{AS} = 16\text{ A}$ ,  $V_{DD} = 23\text{ V}$ ,  $V_{GS} = 10\text{ V}$ .

**Typical Characteristics**  $T_J = 25^\circ\text{C}$  unless otherwise noted

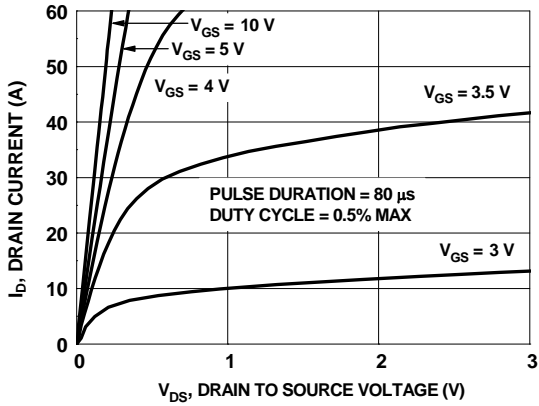


Figure 1. On Region Characteristics

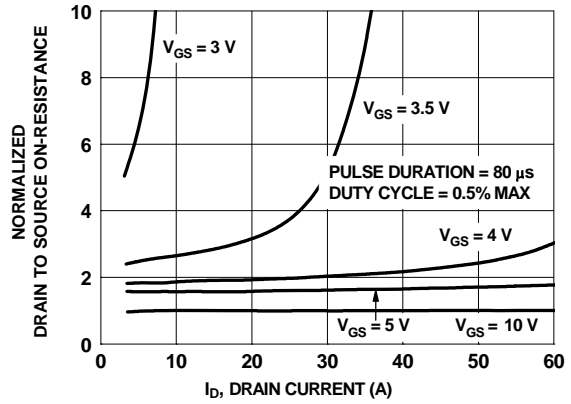


Figure 2. Normalized On-Resistance vs Drain Current and Gate Voltage

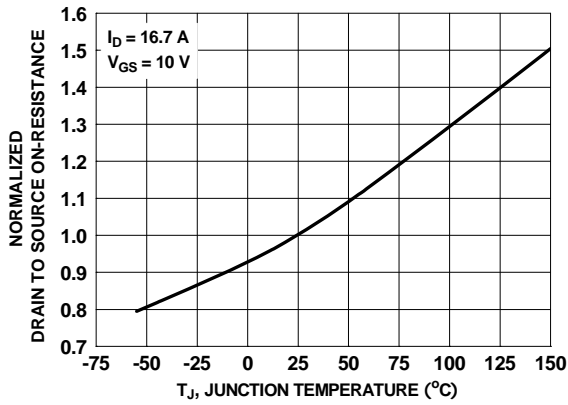


Figure 3. Normalized On Resistance vs Junction Temperature

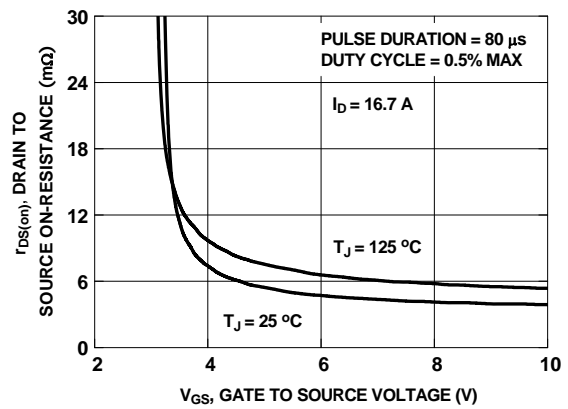


Figure 4. On-Resistance vs Gate to Source Voltage

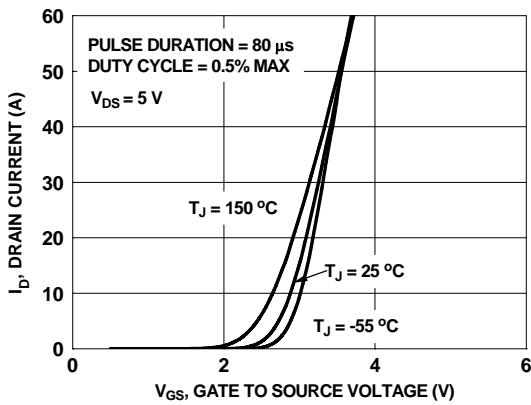


Figure 5. Transfer Characteristics

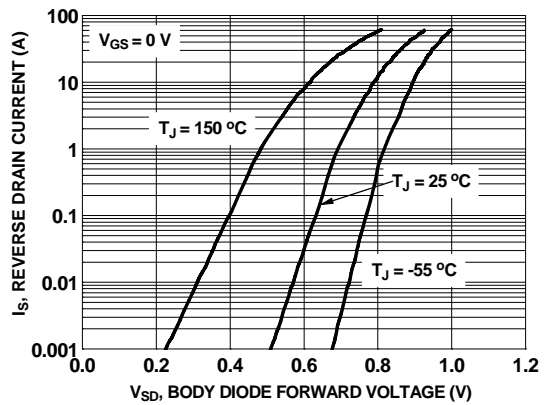
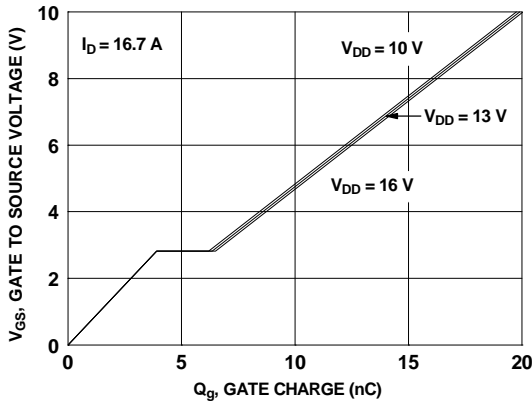
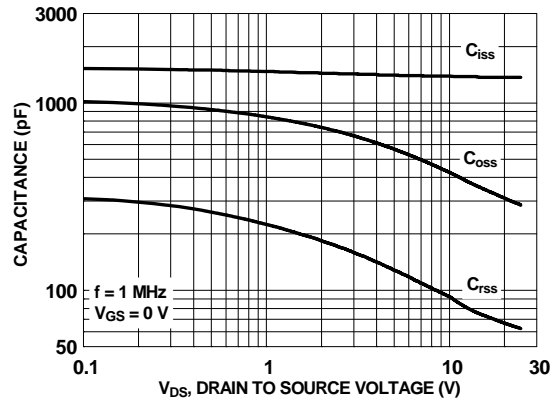


Figure 6. Source to Drain Diode Forward Voltage vs Source Current

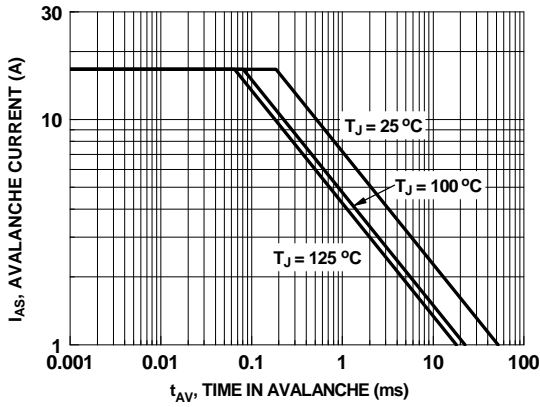
**Typical Characteristics**  $T_J = 25^\circ\text{C}$  unless otherwise noted



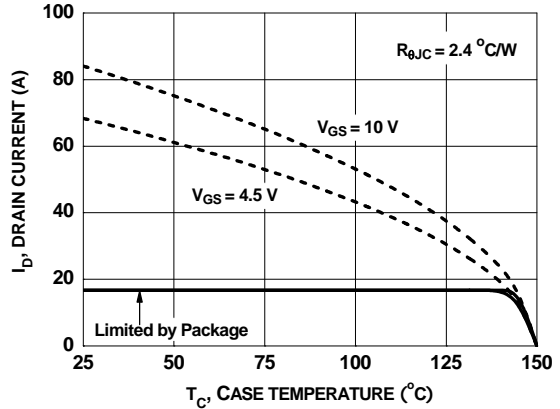
**Figure 7. Gate Charge Characteristics**



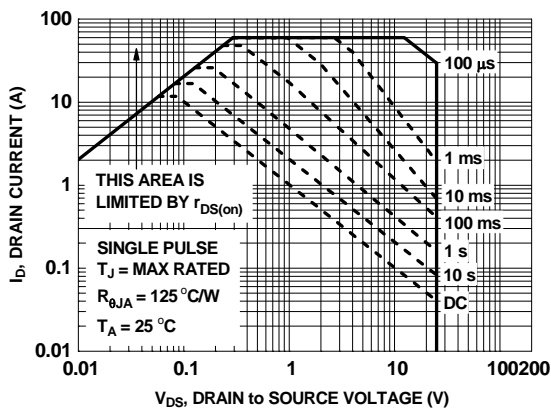
**Figure 8. Capacitance vs Drain to Source Voltage**



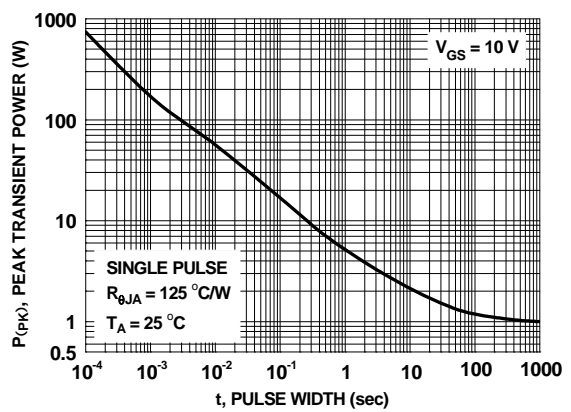
**Figure 9. Unclamped Inductive Switching Capability**



**Figure 10. Maximum Continuous Drain Current vs Case Temperature**

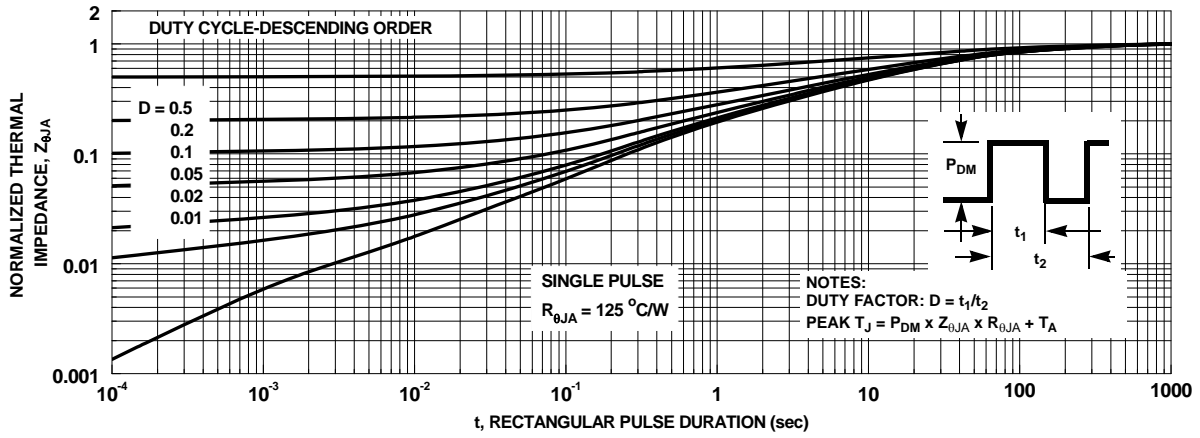


**Figure 11. Forward Bias Safe Operating Area**



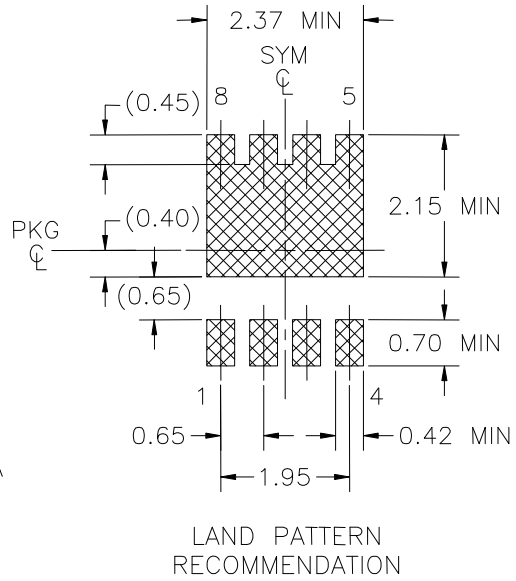
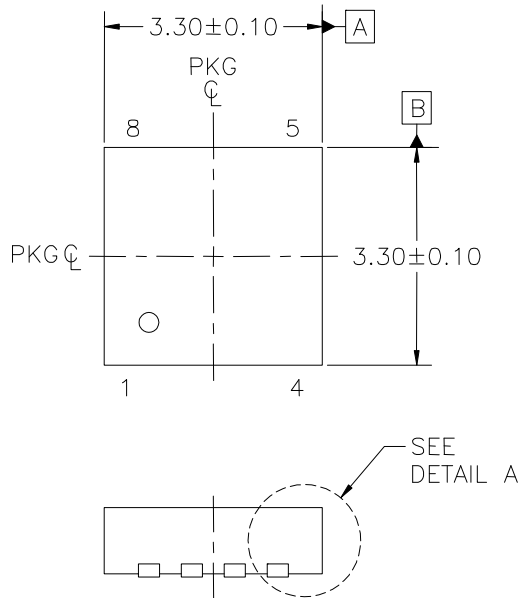
**Figure 12. Single Pulse Maximum Power Dissipation**

**Typical Characteristics**  $T_J = 25^\circ\text{C}$  unless otherwise noted

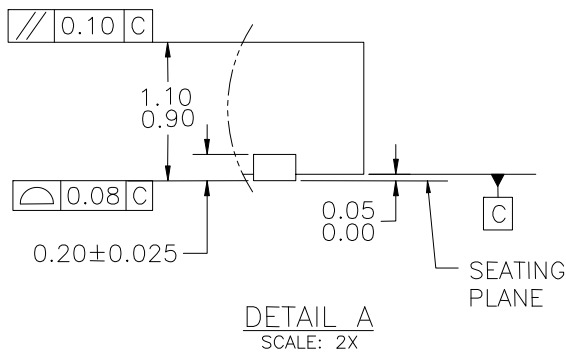
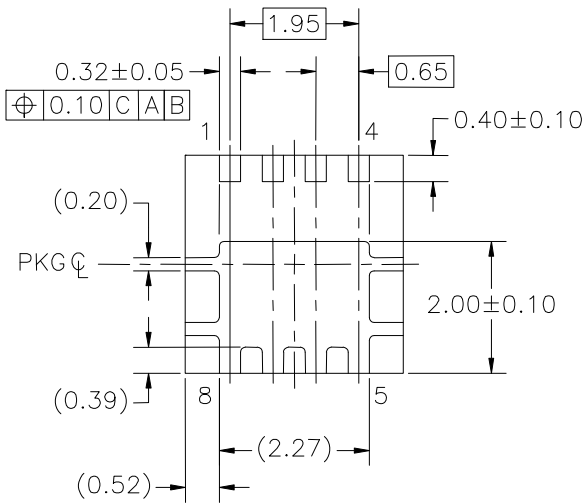


**Figure 13. Junction-to-Ambient Transient Thermal Response Curve**

**Dimensional Outline and Pad Layout**



LAND PATTERN RECOMMENDATION



DETAIL A  
SCALE: 2X





NOTES: UNLESS OTHERWISE SPECIFIED

- A) PACKAGE STANDARD REFERENCE:  
JEDEC MO-240, ISSUE A, VAR. BA,  
DATED OCTOBER 2002.
- B) ALL DIMENSIONS ARE IN MILLIMETERS.
- C) DIMENSIONS DO NOT INCLUDE BURRS  
OR MOLD FLASH. MOLD FLASH OR  
BURRS DOES NOT EXCEED 0.10MM.
- D) DIMENSIONING AND TOLERANCING PER  
ASME Y14.5M-1994.
- E) DRAWING FILE NAME:



**TRADEMARKS**

The following includes registered and unregistered trademarks and service marks, owned by Fairchild Semiconductor and/or its global subsidiaries, and is not intended to be an exhaustive list of all such trademarks.

- |  |   |   |   |
|--|---|---|---|
| 2Cool™   | F-PFS™  | PowerTrench®  | The Power Franchise®  |
| AccuPower™   | FRFET®  | PowerXS™  | the power®  |
| AX-CAP™*   | Global Power Resource <sup>SM</sup>             | Programmable Active Droop™  | franchise™  |
| BitSiC®  | Green Bridge™                                   | QFET®   | TinyBoost™  |
| Build it Now™  | Green FPS™                                      | QS™   | TinyBuck™   |
| CorePLUS™  | Green FPS™ e-Series™                            | Quiet Series™   | TinyCalc™   |
| CorePOWER™   | Gmax™   | RapidConfigure™   | TinyLogic®  |
| CROSSVOLT™   | GTO™  | ™   | TINYOPTO™   |
| CTL™   | IntelliMAX™                                     |  Saving our world, 1mW/W/kW at a time™ | TinyPower™  |
| Current Transfer Logic™  | ISOPLANAR™                                      | SignalWise™   | TinyPWM™  |
| DEUXPEED®  | Marking Small Speakers Sound Louder and Better™ | SmartMax™   | TinyWire™   |
| Dual Cool™   | MegaBuck™                                       | SMART START™  | TranSiC®  |
| EcoSPARK®  | MICROCOUPLER™                                   | Solutions for Your Success™   | TriFault Detect™  |
| EfficientMax™  | MicroFET™                                       | SPM®  | TRUECURRENT®*   |
| ESBC™  | MicroPak™                                       | STEALTH™  | uSerDes™  |
|  Fairchild® | MicroPak2™                                      | SuperFET®   |  SerDes™ |
| Fairchild Semiconductor®   | MillerDrive™                                    | SuperSOT™-3   | UHC®  |
| FACT Quiet Series™   | MotionMax™                                      | SuperSOT™-6   | Ultra FRFET™  |
| FACT®  | Motion-SPM™                                     | SuperSOT™-8   | UniFET™   |
| FAST®  | mWSaver™  | SupreMOS®   | VCX™  |
| FastvCore™   | OptoHiT™  | SyncFET™  | VisualMax™  |
| FETBench™  | OPTOLOGIC®                                      | Sync-Lock™  | VoltagePlus™  |
| FlashWriter®*  | OPTOPLANAR®                                     |  SYSTEM GENERAL®*                      | XS™   |
| FPS™   |   |   |   |

\*Trademarks of System General Corporation, used under license by Fairchild Semiconductor.

**DISCLAIMER**

FAIRCHILD SEMICONDUCTOR RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE TO ANY PRODUCTS HEREIN TO IMPROVE RELIABILITY, FUNCTION, OR DESIGN. FAIRCHILD DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE APPLICATION OR USE OF ANY PRODUCT OR CIRCUIT DESCRIBED HEREIN; NEITHER DOES IT CONVEY ANY LICENSE UNDER ITS PATENT RIGHTS, NOR THE RIGHTS OF OTHERS. THESE SPECIFICATIONS DO NOT EXPAND THE TERMS OF FAIRCHILD'S WORLDWIDE TERMS AND CONDITIONS, SPECIFICALLY THE WARRANTY THEREIN, WHICH COVERS THESE PRODUCTS.

**LIFE SUPPORT POLICY**

FAIRCHILD'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF FAIRCHILD SEMICONDUCTOR CORPORATION.

As used here in:

- Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.
- A critical component in any component of a life support, device, or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

**ANTI-COUNTERFEITING POLICY**

Fairchild Semiconductor Corporation's Anti-Counterfeiting Policy. Fairchild's Anti-Counterfeiting Policy is also stated on our external website, www.fairchildsemi.com, under Sales Support.

Counterfeiting of semiconductor parts is a growing problem in the industry. All manufactures of semiconductor products are experiencing counterfeiting of their parts. Customers who inadvertently purchase counterfeit parts experience many problems such as loss of brand reputation, substandard performance, failed application, and increased cost of production and manufacturing delays. Fairchild is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. Fairchild strongly encourages customers to purchase Fairchild parts either directly from Fairchild or from Authorized Fairchild Distributors who are listed by country on our web page cited above. Products customers buy either from Fairchild directly or from Authorized Fairchild Distributors are genuine parts, have full traceability, meet Fairchild's quality standards for handling and storage and provide access to Fairchild's full range of up-to-date technical and product information. Fairchild and our Authorized Distributors will stand behind all warranties and will appropriately address and warranty issues that may arise. Fairchild will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources. Fairchild is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.

**PRODUCT STATUS DEFINITIONS**

**Definition of Terms**

| Datasheet Identification | Product Status        | Definition  |
|--------------------------|-----------------------|---|
| Advance Information      | Formative / In Design | Datasheet contains the design specifications for product development. Specifications may change in any manner without notice.   |
| Preliminary              | First Production      | Datasheet contains preliminary data; supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice to improve design. |
| No Identification Needed | Full Production       | Datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice to improve the design.   |
| Obsolete                 | Not In Production     | Datasheet contains specifications on a product that is discontinued by Fairchild Semiconductor. The datasheet is for reference information only.  |



ON Semiconductor and  are trademarks of Semiconductor Components Industries, LLC dba ON Semiconductor or its subsidiaries in the United States and/or other countries. ON Semiconductor owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of ON Semiconductor's product/patent coverage may be accessed at [www.onsemi.com/site/pdf/Patent-Marking.pdf](http://www.onsemi.com/site/pdf/Patent-Marking.pdf). ON Semiconductor reserves the right to make changes without further notice to any products herein. ON Semiconductor makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does ON Semiconductor assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using ON Semiconductor products, including compliance with all laws, regulations and safety requirements or standards, regardless of any support or applications information provided by ON Semiconductor. "Typical" parameters which may be provided in ON Semiconductor data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. ON Semiconductor does not convey any license under its patent rights nor the rights of others. ON Semiconductor products are not designed, intended, or authorized for use as a critical component in life support systems or any FDA Class 3 medical devices or medical devices with a same or similar classification in a foreign jurisdiction or any devices intended for implantation in the human body. Should Buyer purchase or use ON Semiconductor products for any such unintended or unauthorized application, Buyer shall indemnify and hold ON Semiconductor and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that ON Semiconductor was negligent regarding the design or manufacture of the part. ON Semiconductor is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.

## PUBLICATION ORDERING INFORMATION

### LITERATURE FULFILLMENT:

Literature Distribution Center for ON Semiconductor  
19521 E. 32nd Pkwy, Aurora, Colorado 80011 USA  
**Phone:** 303-675-2175 or 800-344-3860 Toll Free USA/Canada  
**Fax:** 303-675-2176 or 800-344-3867 Toll Free USA/Canada  
**Email:** [orderlit@onsemi.com](mailto:orderlit@onsemi.com)

**N. American Technical Support:** 800-282-9855 Toll Free  
USA/Canada  
**Europe, Middle East and Africa Technical Support:**  
Phone: 421 33 790 2910  
**Japan Customer Focus Center**  
Phone: 81-3-5817-1050

**ON Semiconductor Website:** [www.onsemi.com](http://www.onsemi.com)  
**Order Literature:** <http://www.onsemi.com/orderlit>  
For additional information, please contact your local  
Sales Representative

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ON Semiconductor:](#)

[FDMC7582](#)



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.