



Is Now Part of



ON Semiconductor®

To learn more about ON Semiconductor, please visit our website at
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. Please email any questions regarding the system integration to 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. 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.

FQP6N80C / FQPF6N80C

N-Channel QFET® MOSFET

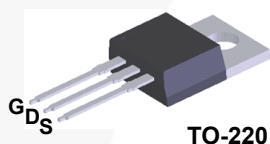
800 V, 5.5 A, 2.5 Ω

Description

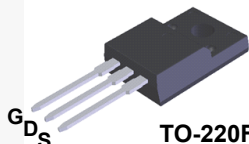
This N-Channel enhancement mode power MOSFET is produced using Fairchild Semiconductor's proprietary planar stripe and DMOS technology. This advanced MOSFET technology has been especially tailored to reduce on-state resistance, and to provide superior switching performance and high avalanche energy strength. These devices are suitable for switched mode power supplies, active power factor correction (PFC), and electronic lamp ballasts.

Features

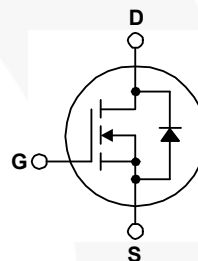
- 5.5 A, 800 V, $R_{DS(on)} = 2.5 \Omega$ (Max.) @ $V_{GS} = 10 V$, $I_D = 2.75 A$
- Low Gate Charge (Typ. 21 nC)
- Low Crss (Typ. 8 pF)
- 100% Avalanche Tested



TO-220



TO-220F



Absolute Maximum Ratings T_C = 25°C unless otherwise noted.

Symbol	Parameter	FQP6N80C	FQPF6N80C / FQPF6N80CT	Unit
V_{DSS}	Drain-Source Voltage	800		V
I_D	Drain Current - Continuous ($T_C = 25^\circ C$) - Continuous ($T_C = 100^\circ C$)	5.5	5.5 *	A
		3.2	3.2 *	A
I_{DM}	Drain Current - Pulsed (Note 1)	22	22 *	A
V_{GSS}	Gate-Source Voltage	± 30		V
E_{AS}	Single Pulsed Avalanche Energy (Note 2)	680		mJ
I_{AR}	Avalanche Current (Note 1)	5.5		A
E_{AR}	Repetitive Avalanche Energy (Note 1)	15.8		mJ
dv/dt	Peak Diode Recovery dv/dt (Note 3)	4.5		V/ns
P_D	Power Dissipation ($T_C = 25^\circ C$) - Derate above 25°C	158	51	W
		1.27	0.41	W/°C
T_J, T_{STG}	Operating and Storage Temperature Range	-55 to +150		°C
T_L	Maximum Lead Temperature for Soldering, 1/8" from Case for 5 Seconds.	300		°C

* Drain current limited by maximum junction temperature.

Thermal Characteristics

Symbol	Parameter	FQP6N80C	FQPF6N80C / FQPF6N80CT	Unit
$R_{\theta JC}$	Thermal Resistance, Junction-to-Case, Max.	0.79	2.45	°C/W
$R_{\theta CS}$	Thermal Resistance, Case-to-Sink Typ, Max.	0.5	--	°C/W
$R_{\theta JA}$	Thermal Resistance, Junction-to-Ambient, Max.	62.5	62.5	°C/W

Package Marking and Ordering Information

Part Number	Top Mark	Package	Packing Method	Reel Size	Tape Width	Quantity
FQP6N80C	FQP6N80C	TO-220	Tube	N/A	N/A	50 units
FQPF6N80C	FQPF6N80C	TO-220F	Tube	N/A	N/A	50 units
FQPF6N80CT	FQPF6N80CT	TO-220F	Tube	N/A	N/A	50 units

Electrical Characteristics

$T_C = 25^\circ\text{C}$ unless otherwise noted.

Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
--------	-----------	-----------------	------	------	------	------

Off Characteristics

BV_{DSS}	Drain-Source Breakdown Voltage	$V_{GS} = 0\text{ V}, I_D = 250\ \mu\text{A}$	800	--	--	V
$\Delta BV_{DSS} / \Delta T_J$	Breakdown Voltage Temperature Coefficient	$I_D = 250\ \mu\text{A}$, Referenced to 25°C	--	0.97	--	$\text{V}/^\circ\text{C}$
I_{DSS}	Zero Gate Voltage Drain Current	$V_{DS} = 800\text{ V}, V_{GS} = 0\text{ V}$	--	--	10	μA
		$V_{DS} = 640\text{ V}, T_C = 125^\circ\text{C}$	--	--	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	$V_{GS} = -30\text{ V}, V_{DS} = 0\text{ V}$	--	--	-100	nA

On Characteristics

$V_{GS(th)}$	Gate Threshold Voltage	$V_{DS} = V_{GS}, I_D = 250\ \mu\text{A}$	3.0	--	5.0	V
$R_{DS(on)}$	Static Drain-Source On-Resistance	$V_{GS} = 10\text{ V}, I_D = 2.75\text{ A}$	--	2.1	2.5	Ω
g_{FS}	Forward Transconductance	$V_{DS} = 50\text{ V}, I_D = 2.75\text{ A}$	--	5.4	--	S

Dynamic Characteristics

C_{iss}	Input Capacitance	$V_{DS} = 25\text{ V}, V_{GS} = 0\text{ V},$ $f = 1.0\text{ MHz}$	--	1010	1310	pF
C_{oss}	Output Capacitance		--	90	115	pF
C_{rss}	Reverse Transfer Capacitance		--	8	11	pF

Switching Characteristics

$t_{d(on)}$	Turn-On Delay Time	$V_{DD} = 400\text{ V}, I_D = 5.5\text{ A},$ $R_G = 25\ \Omega$	--	26	60	ns	
t_r	Turn-On Rise Time		--	65	140	ns	
$t_{d(off)}$	Turn-Off Delay Time		(Note 4)	--	47	105	ns
t_f	Turn-Off Fall Time		(Note 4)	--	44	90	ns
Q_g	Total Gate Charge	$V_{DS} = 640\text{ V}, I_D = 5.5\text{ A},$ $V_{GS} = 10\text{ V}$	--	21	30	nC	
Q_{gs}	Gate-Source Charge		(Note 4)	--	6	--	nC
Q_{gd}	Gate-Drain Charge		(Note 4)	--	9	--	nC

Drain-Source Diode Characteristics and Maximum Ratings

I_S	Maximum Continuous Drain-Source Diode Forward Current	--	--	5.5	A	
I_{SM}	Maximum Pulsed Drain-Source Diode Forward Current	--	--	22	A	
V_{SD}	Drain-Source Diode Forward Voltage	$V_{GS} = 0\text{ V}, I_S = 5.5\text{ A}$	--	--	1.4	V
t_{rr}	Reverse Recovery Time	$V_{GS} = 0\text{ V}, I_S = 5.5\text{ A},$ $dI_F / dt = 100\text{ A}/\mu\text{s}$	--	615	--	ns
Q_{rr}	Reverse Recovery Charge		--	5.4	--	μC

Notes:

1. Repetitive rating : pulse-width limited by maximum junction temperature.
2. $L = 42\text{ mH}, I_{AS} = 5.5\text{ A}, V_{DD} = 50\text{ V}, R_G = 25\ \Omega$, starting $T_J = 25^\circ\text{C}$.
3. $I_{SD} \leq 5.5\text{ A}, di/dt \leq 200\text{ A}/\mu\text{s}, V_{DD} \leq BV_{DSS}$, starting $T_J = 25^\circ\text{C}$.
4. Essentially independent of operating temperature.

Typical Characteristics

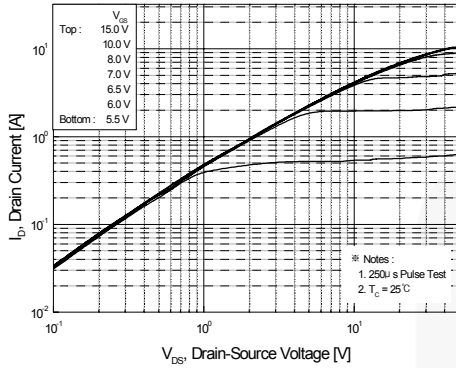


Figure 1. On-Region Characteristics

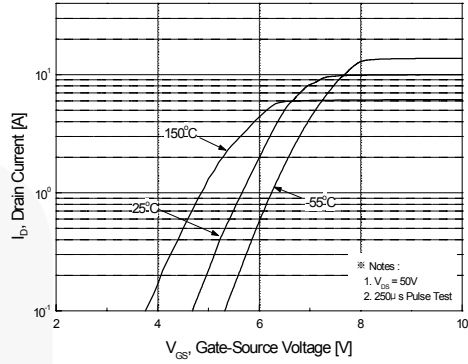


Figure 2. Transfer Characteristics

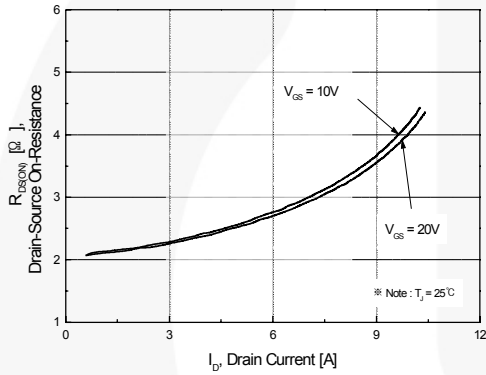


Figure 3. On-Resistance Variation vs. Drain Current and Gate Voltage

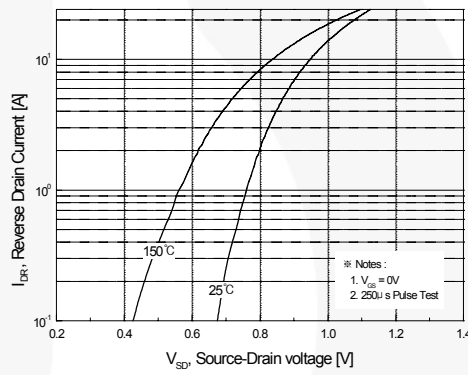


Figure 4. Body Diode Forward Voltage Variation with Source Current and Temperature

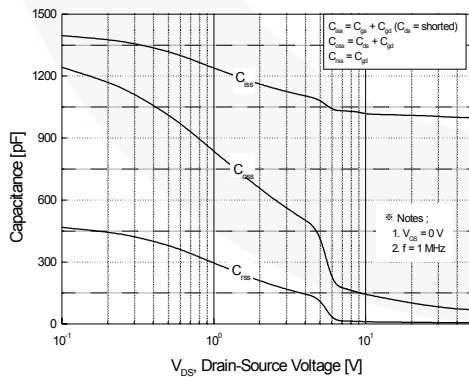


Figure 5. Capacitance Characteristics

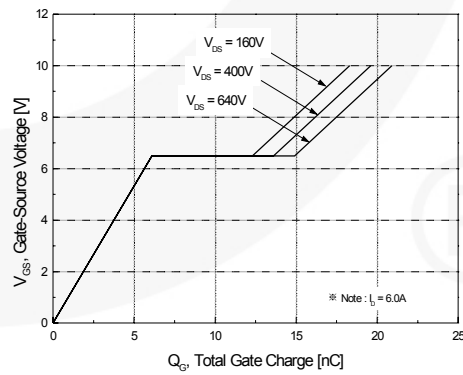


Figure 6. Gate Charge Characteristics

Typical Characteristics (Continued)

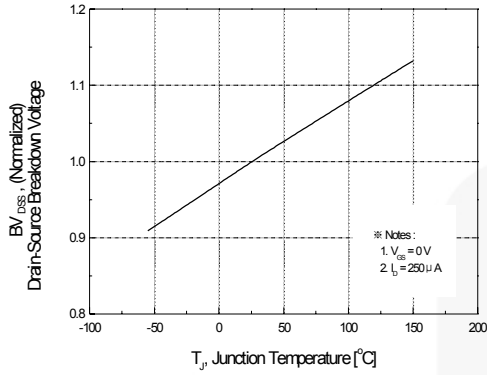


Figure 7. Breakdown Voltage Variation vs Temperature

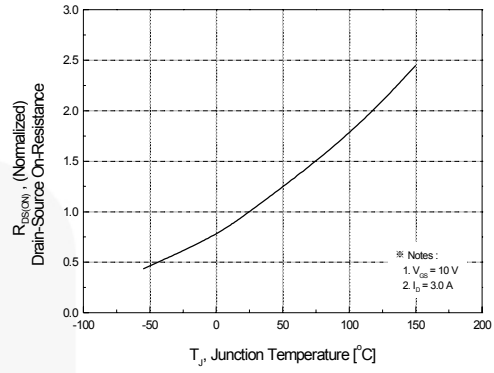


Figure 8. On-Resistance Variation vs Temperature

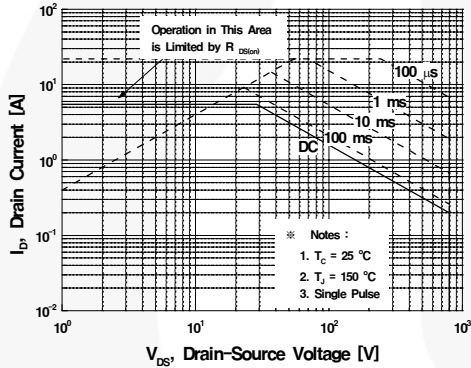


Figure 9-1. Maximum Safe Operating Area for FQP6N80C

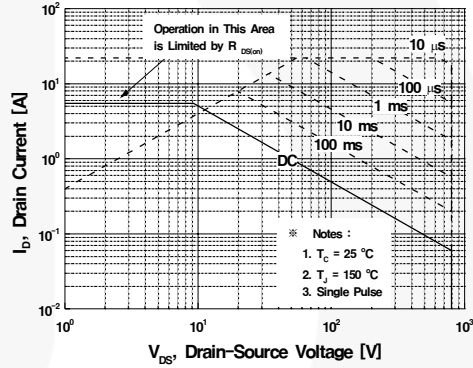


Figure 9-2. Maximum Safe Operating Area for FQPF6N80C

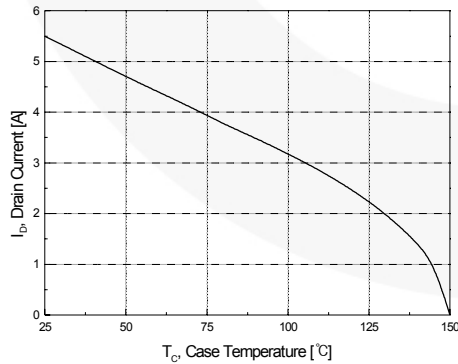


Figure 10. Maximum Drain Current vs Case Temperature

Typical Characteristics (Continued)

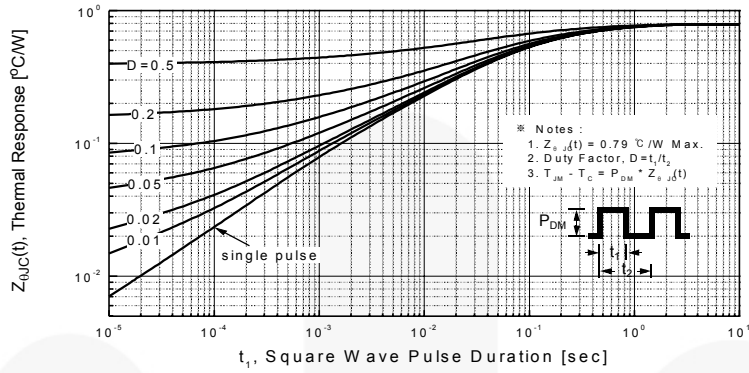


Figure 11-1. Transient Thermal Response Curve for FQP6N80C

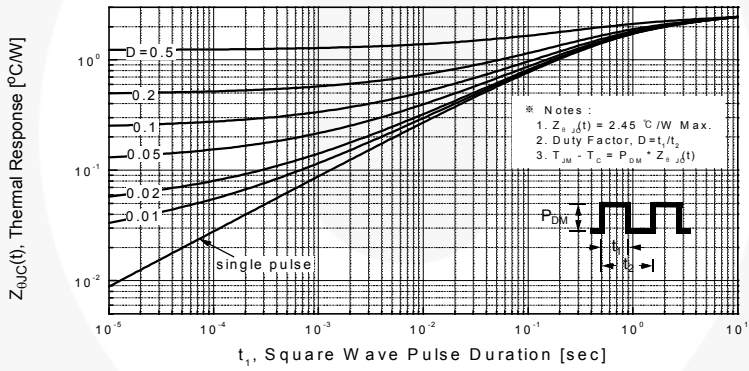


Figure 11-2. Transient Thermal Response Curve for FQPF6N80C



Figure 12. Gate Charge Test Circuit & Waveform



Figure 13. Resistive Switching Test Circuit & Waveforms



Figure 14. Unclamped Inductive Switching Test Circuit & Waveforms



Figure 15. Peak Diode Recovery dv/dt Test Circuit & Waveforms

Mechanical Dimensions

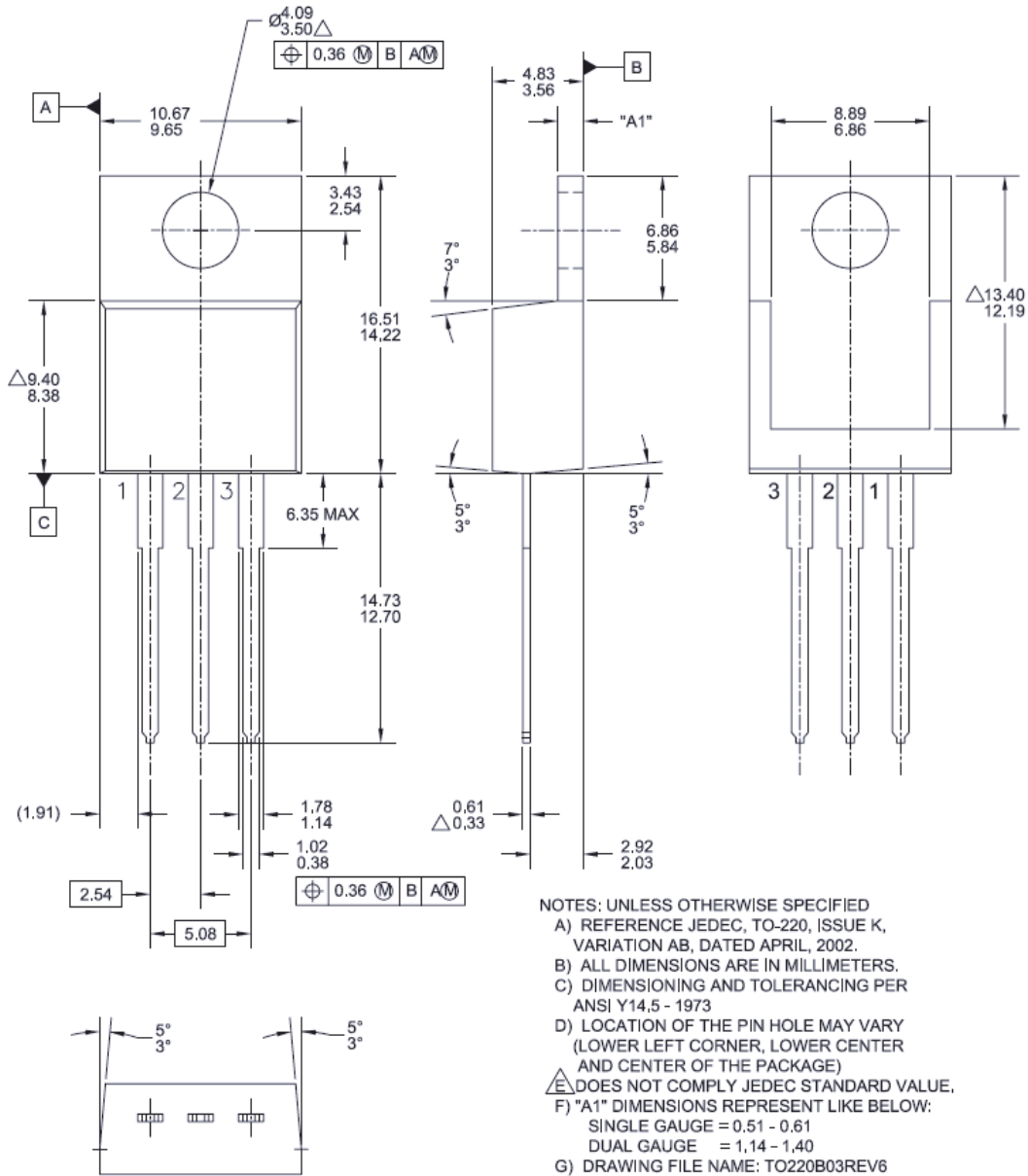


Figure 16. TO-220, Molded, 3-Lead, Jedec Variation AB

Package drawings are provided as a service to customers considering Fairchild components. Drawings may change in any manner without notice. Please note the revision and/or date on the drawing and contact a Fairchild Semiconductor representative to verify or obtain the most recent revision. Package specifications do not expand the terms of Fairchild's worldwide terms and conditions, specifically the warranty therein, which covers Fairchild products.

Always visit Fairchild Semiconductor's online packaging area for the most recent package drawings:

http://www.fairchildsemi.com/package/packageDetails.html?id=PN_TT220-003

Mechanical Dimensions



NOTES:

- A. EXCEPT WHERE NOTED CONFORMS TO EIAJ SC91A.
- B. DOES NOT COMPLY EIAJ STD. VALUE.
- C. ALL DIMENSIONS ARE IN MILLIMETERS.
- D. DIMENSIONS ARE EXCLUSIVE OF BURRS, MOLD FLASH AND TIE BAR PROTRUSIONS.
- E. DIMENSION AND TOLERANCE AS PER ASME Y14.5-1994.
- F. OPTION 1 - WITH SUPPORT PIN HOLE.
OPTION 2 - NO SUPPORT PIN HOLE.
- G. DRAWING FILE NAME: TO220M03REV3

Figure 17. TO220, Molded, 3-Lead, Full Pack, EIAJ SC91, Straight Lead

Package drawings are provided as a service to customers considering Fairchild components. Drawings may change in any manner without notice. Please note the revision and/or date on the drawing and contact a Fairchild Semiconductor representative to verify or obtain the most recent revision. Package specifications do not expand the terms of Fairchild's worldwide terms and conditions, specifically the warranty therein, which covers Fairchild products.

Always visit Fairchild Semiconductor's online packaging area for the most recent package drawings:

http://www.fairchildsemi.com/package/packageDetails.html?id=PN_TF220-003



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.

- | | | | |
|--------------------------|-------------------------|-------------------------------------------------|------------------|
| AccuPower™ | F-PFS™ | PowerTrench® | Sync-Lock™ |
| AX-CAP®* | FRFET® | PowerXS™ | SYSTEM GENERAL®* |
| BitSiC™ | Global Power ResourceSM | Programmable Active Droop™ | TinyBoost® |
| Build it Now™ | GreenBridge™ | QFET® | TinyBuck® |
| CorePLUS™ | Green FPS™ | QS™ | TinyCalc™ |
| CorePOWER™ | Green FPS™ e-Series™ | Quiet Series™ | TinyLogic® |
| CROSSVOLT™ | Gmax™ | RapidConfigure™ | TINYOPTO™ |
| CTL™ | GTO™ | ISOPLANAR™ | TinyPower™ |
| Current Transfer Logic™ | IntelliMAX™ | Marking Small Speakers Sound Louder and Better™ | TinyPWM™ |
| DEUXPEED® | ISOPLANAR™ | MegaBuck™ | TinyWire™ |
| Dual Cool™ | MICROCOUPLER™ | MicroFET™ | TranSiC™ |
| EcoSPARK® | MicroPak™ | MillerDrive™ | TriFault Detect™ |
| EfficientMax™ | MicroPak2™ | MotionMax™ | TRUECURRENT®* |
| ESBC™ | FAST™ | mWSaver® | µSerDes™ |
| F ® | FastvCore™ | OPTOLOGIC® | UHC® |
| Fairchild® | FETBench™ | OPTOPLANAR® | Ultra FRFET™ |
| Fairchild Semiconductor® | FPS™ | PowerTrench® | UniFET™ |
| FACT Quiet Series™ | | PowerXS™ | VCX™ |
| FACT® | | Programmable Active Droop™ | VisualMax™ |
| FAST® | | QFET® | VoltagePlus™ |
| FastvCore™ | | QS™ | XS™ |
| FETBench™ | | Quiet Series™ | |
| FPS™ | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | OPTOPLANAR® | |
| | | PowerTrench® | |
| | | PowerXS™ | |
| | | Programmable Active Droop™ | |
| | | QFET® | |
| | | QS™ | |
| | | Quiet Series™ | |
| | | RapidConfigure™ | |
| | | ISOPLANAR™ | |
| | | Marking Small Speakers Sound Louder and Better™ | |
| | | MegaBuck™ | |
| | | MicroFET™ | |
| | | MillerDrive™ | |
| | | MotionMax™ | |
| | | mWSaver® | |
| | | OPTOLOGIC® | |
| | | | |

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. 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

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
Order Literature: <http://www.onsemi.com/orderlit>
For additional information, please contact your local
Sales Representative

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [MOSFET](#) category:

Click to view products by [ON Semiconductor](#) manufacturer:

Other Similar products are found below :

[614233C](#) [648584F](#) [IRFD120](#) [JANTX2N5237](#) [FCA20N60_F109](#) [FDZ595PZ](#) [2SK2545\(Q,T\)](#) [405094E](#) [423220D](#) [TPCC8103,L1Q\(CM](#)
[MIC4420CM-TR](#) [VN1206L](#) [SBVS138LT1G](#) [614234A](#) [715780A](#) [NTNS3166NZT5G](#) [SSM6J414TU,LF\(T](#) [751625C](#) [BUK954R8-60E](#)
[NTE6400](#) [SQJ402EP-T1-GE3](#) [2SK2614\(TE16L1,Q\)](#) [2N7002KW-FAI](#) [DMN1017UCP3-7](#) [EFC2J004NUZTDG](#) [ECH8691-TL-W](#)
[FCAB21350L1](#) [P85W28HP2F-7071](#) [DMN1053UCP4-7](#) [NTE221](#) [NTE222](#) [NTE2384](#) [NTE2903](#) [NTE2941](#) [NTE2945](#) [NTE2946](#) [NTE2960](#)
[NTE2967](#) [NTE2969](#) [NTE2976](#) [NTE455](#) [NTE6400A](#) [NTE2910](#) [NTE2916](#) [NTE2956](#) [NTE2911](#) [DMN2080UCB4-7](#) [TK10A80W,S4X\(S](#)
[SSM6P69NU,LF](#) [DMP22D4UFO-7B](#)