

A photograph showing several large industrial air conditioning or refrigeration units installed on a rooftop. The units are rectangular with large, circular fan grilles on the front. They are mounted on a metal frame with various pipes and fittings. The background shows a clear blue sky and parts of a building's exterior.

MOTOR DRIVE SOLUTIONS

Energy-efficient, integrated and discrete semiconductor solutions for home appliance and industrial applications



As the demands for energy efficiency, environmental responsibility and meeting government regulations are increasing, the need for highly efficient electronic systems becomes more and more important.

Electrical motors are the single largest consumer of electrical power.



Critical design factors and challenges for motor control architectures are efficiency, reliability, noise reduction, thermal performance, reduced board space and ease of design.

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INTRODUCTION

Improving Energy Efficiency and Reliability in Motor Control Applications

As the demands for energy efficiency, environmental responsibility and meeting government regulations are increasing, the need for highly efficient electronic systems becomes more and more important. Since electrical motors are the single largest consumer of electrical power and account for between 40 to 50 percent of total global energy consumption, it is essential that motor control solutions are both efficient and reliable.

Making the situation more complex is the fact that there is an extremely wide range of electric motor applications.

Our Portfolio include products that are both energy efficient and reliable.

Primary applications by sector

- Residential—refrigerators, air conditioners, fans, kitchen appliances, washers and dryers, computers, etc.
- Industrial/commercial—pumps and fans, air and liquid compression, heating and air conditioning (HVAC), large computers, escalators, elevators, hoists, cranes, tools, industrial-grade laundry, cleaning and cooking equipment
- Transportation—electric trains, trucks, cars and motorcycles in related cooling/ventilation systems.

To accommodate the hundreds of applications, there are many types of electric motors from which to choose in order to get the highest efficiency and/or lowest cost. The most commonly used motors are:

- AC Induction Motors (ACIM)
- Brushed DC
- Stepper
- Brushless DC and Permanent Magnet Synchronous (PMSM)

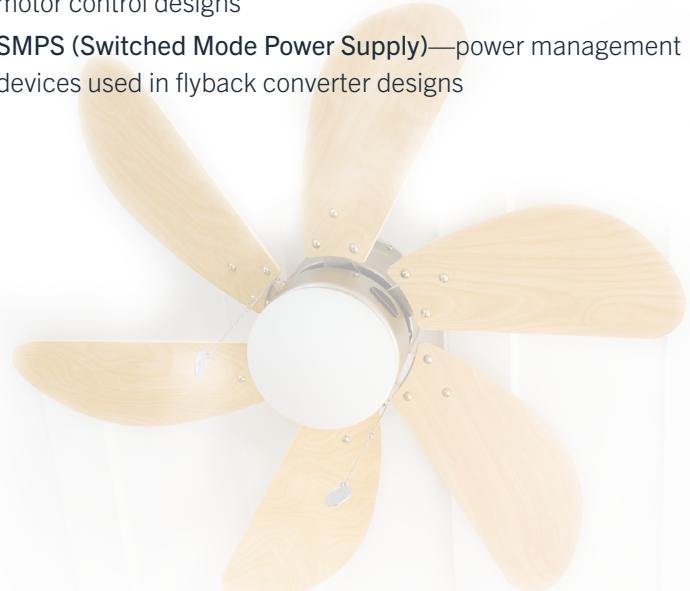
Once the motor has been chosen, it becomes extremely important to carefully choose the supporting components for the system. Critical design factors and challenges for motor control architectures are efficiency, reliability, noise reduction, thermal performance, reduced board space and ease of design.

Innovated Solutions for Emerging Motor Control Applications

Our constantly expanding product portfolio—combined with manufacturing process enhancements—innovative topologies, and our systems expertise, allow circuit designers to develop the most advanced solutions to meet their needs. We offer a broad range of SPM®, IGBTs, Gate Drivers, PFC-PWM combos, MOSFETs, phototransistors and diodes for every motor control application. In addition, there are reference designs and evaluation boards to optimize your design success.

Examples From Our Portfolio

- Motion SPM® (Smart Power Module)—integrated solutions that support low-power (20W) and high-power (7.5kW) designs
- BLDC Controller (Brushless DC/Permanent Magnet Synchronous Motor)—mixed-signal ICs exclusively for motor control that replace complicated DSPs (Digital Signal Processors)
- PFC (Power Factor Correction)—PFC SPM® minimize input current distortion, reduce power loss and save energy and cost
- Optocouplers—provide isolation from high-voltage devices in motor control designs
- SMPS (Switched Mode Power Supply)—power management devices used in flyback converter designs



MOTION SPM® MODULES

Motion SPM® 2 Family

Description

Motion SPM® 2 series modules provide fully-featured, high-performance inverter output stages for AC induction, BLDC controller, and PMSM motors. These modules integrate optimized gate drive of the built-in IGBTs to minimize EMI and losses, while also providing multiple on-module protection features: under-voltage lockouts, over-current shutdown, high accuracy, temperature sensing, and fault reporting.

The built-in, high-speed HVIC requires only a single supply voltage and translates the incoming logic-level gate inputs to high-voltage, high-current drive signals to properly drive the module's internal IGBTs. SPM® 2 provides low-side IGBT current sensing for OCP protection. Separate negative IGBT terminals are available for each phase to support the widest variety of control algorithms.

Applications

- Industrial Inverters / Servos
- HVAC



Package Overview

1200V SPM® Family

Description

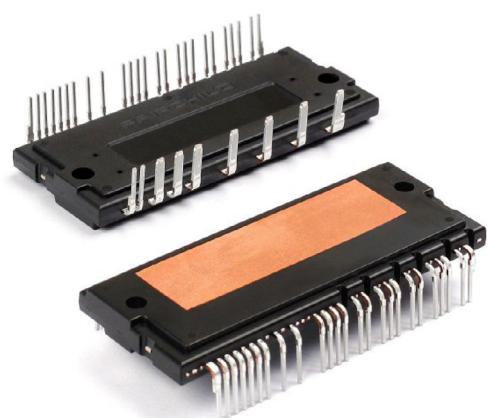
Fairchild SPM2 1200V series provide the most advanced 1200V technology - 1200V Trench Sensing IGBT / Diode for high efficiency & compact DBC (Direct Bonding Copper) package (80X33) for achieving thermal performance - for up to 7.5kW inverter application such as HVAC, pump, industrial inverter. And embedded under-voltage protection, thermal detecting by NTC on leadframe, OCP protection by sensing IGBT, fault out etc. for improving system reliability. Add on this leading edge technology, this module adopt 1200V BSD (= Boot Strap Diode), No-side-Dummy for customer design convenience. This SPM2 1200V have 10A to 35A current line up.

Fairchild release also another 1200V product in existing SPM3V package. This concept product is developed for the compact space required customer, such as fan motor, compact inverter application. SPM3V 1200V solution provide also 1200V Trench IGBT / Diode in SPM3 DBC technology

package (40X27, pin-compatible with existing SPM3V 600V series) and embedded embedded under-voltage protection, OCP protection, fault out function. This SPM3 1200V have only 10A current lineup

Applications

- Industrial Inverters / Servos
- HVAC
- Pump
- Fan Motor



Package Overview

[App Notes](#)



[Eval Boards](#)



[Data Sheets](#)

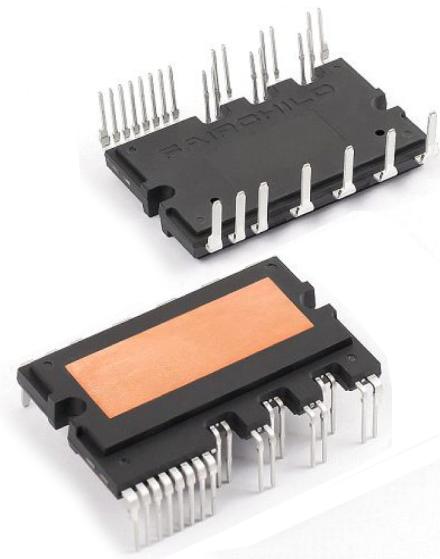


Motion SPM® 3 Family

Description

Motion SPM® 3 series modules provide a compact and high performance inverter solution for AC, BLDC controller, and PMSM motor drives in low-power consumer and industrial applications. Combining extensive on-module protections and gate drives matched to the low-loss IGBTs, system reliability is enhanced.

These protections include under-voltage lock-outs, over-current faults, and thermal sensing. The high-speed built-in HVIC provides optocoupler-less, single-supply IGBT gate driving capability that further reduces the overall size of the inverter system. Each phase leg current of the inverter can be monitored via the three separate negative dc terminals.



Package Overview

Applications

- Air Conditioners
- Industrial Inverters / Servos
- Pumps

MOTION SPM® MODULES

Motion SPM® 3 Family

Part Number	Voltage (V)	Current Rating (A @ 25°C)	Optimized Switching (kHz)	Device	Package	Thermal Interface	Bootstrap Diodes	UVLO Protection	Short Circuit Protection	Temp Output	Shutdown Pin	Interlock
FCBS0550	500	5	20	MOSFET	SPM3 27L Double DIP	Ceramic	No	Yes	Yes	No	Yes	No
FSBS3CH60	600	3	20	IGBT	SPM3 27L Double DIP	Ceramic	No	Yes	Yes	No	Yes	No
FSBF5CH60B	600	5	20	IGBT	SPM3 27L Double DIP	Plastic	Yes	Yes	Yes	Fault	Yes	No
FSBS5CH60	600	5	20	IGBT	SPM3 27L Double DIP	Ceramic	No	Yes	Yes	No	Yes	No
FSBF10CH60B	600	10	20	IGBT	SPM3 27L Double DIP	Plastic	Yes	Yes	Yes	Fault	Yes	No
FSBF10CH60BT	600	10	20	IGBT	SPM3 27L Double DIP	Plastic	Yes	Yes	Yes	Fault	Yes	No
FSBF10CH60BTL	600	10	20	IGBT	SPM3 27L Double DIP	Plastic	Yes	Yes	Yes	Fault	Yes	No
FSBS10CH60	600	10	20	IGBT	SPM3 27L Double DIP	Ceramic	No	Yes	Yes	No	Yes	No
FSBB15CH60	600	15	20	IGBT	SPM3 27L Double DIP	DBC	No	Yes	Yes	No	Yes	No
FSBB15CH60C	600	15	20	IGBT	SPM3 27L Double DIP	DBC	Yes	Yes	Yes	Fault	Yes	No
FSBB15CH60F	600	15	20	IGBT	SPM3 27L Double DIP	DBC	No	Yes	Yes	Fault	Yes	No
FSBB15CH60BT	600	15	20	IGBT	SPM3 27L Double DIP	Plastic	Yes	Yes	Yes	Fault	Yes	No
FSBS15CH60	600	15	20	IGBT	SPM3 27L Double DIP	Ceramic	No	Yes	Yes	No	Yes	No
FSBS15CH60F	600	15	20	IGBT	SPM3 27L Double DIP	Ceramic	No	Yes	Yes	Fault	Yes	No
FSBB20CH60	600	20	20	IGBT	SPM3 27L Double DIP	DBC	No	Yes	Yes	No	Yes	No
FSBB20CH60C	600	20	20	IGBT	SPM3 27L Double DIP	DBC	Yes	Yes	Yes	Fault	Yes	No
FSBB20CH60CL	600	20	20	IGBT	SPM3 27L Double DIP	DBC	Yes	Yes	Yes	Fault	Yes	No
FSBB20CH60CT	600	20	20	IGBT	SPM3 27L Double DIP	DBC	Yes	Yes	Yes	Fault	Yes	No
FSBB20CH60F	600	20	20	IGBT	SPM3 27L Double DIP	DBC	No	Yes	Yes	Fault	Yes	No
FSBB20CH60L	600	20	20	IGBT	SPM3 27L Double DIP	DBC	No	Yes	Yes	No	Yes	No
FSB32560	600	25	20	IGBT	SPM3 27L Double DIP	Ceramic	No	Yes	Yes	No	Yes	No
FSBB30CH60	600	30	20	IGBT	SPM3 27L Double DIP	DBC	No	Yes	Yes	No	Yes	No
FSBB30CH60C	600	30	20	IGBT	SPM3 27L Double DIP	DBC	Yes	Yes	Yes	Fault	Yes	No
FSBB30CH60CT	600	30	20	IGBT	SPM3 27L Double DIP	DBC	Yes	Yes	Yes	Fault	Yes	No
FSBB30CH60D	600	30	20	IGBT	SPM3 27L Double DIP	DBC	Yes	Yes	Yes	HVIC Output	Yes	No
FSBB30CH60F	600	30	20	IGBT	SPM3 27L Double DIP	DBC	No	Yes	Yes	Fault	Yes	No

App Notes



Eval Boards



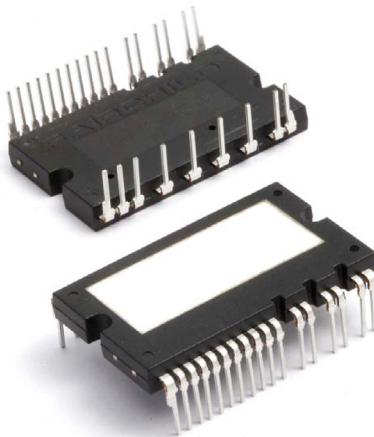
Data Sheets



Motion SPM® 45 Family

Description

Motion SPM® 45 series modules were developed to provide a very compact and high performance inverter solution for AC, BLDC controller, and PMSM motor drives in low-power applications such as washing machines and industrial fans. It combines low-loss short-circuit rated IGBTs and optimized gate drivers in a fully isolated package to deliver a simple and robust design. The system reliability is further enhanced by the built-in NTC for temperature monitoring, integrated under-voltage lock-out function for both high and low side, and an over-current protection input. Three separate open-emitter pins for low side IGBTs make three leg current sensing possible. Built-in bootstrap diodes and dedicated VS pins make PCB layout easy.



Package Overview

Applications

- Air Conditioners
- Washing Machines
- Industrial Inverters / Servos
- Mobile Robotics
- Floor Care Equipment
- Power Tools
- Refrigerators



Part Number	Voltage (V)	Current Rating (A @ 25°C)	Rds_on (Ω, max @ 25°C)	Optimized Switching (kHz)	Device	Package	Thermal Interface	Bootstrap Diodes	UVLO Protection	Short Circuit Protection	Temp Output	Shutdown Pin	Interlock
FSB44104A	40	57	0.004	5	MOSFET	SPM45L 22L DIP	Ceramic	No	Yes	No	No	No	No
FNA40560	600	5	n/a	5	IGBT	SPM45H 26L DIP	Ceramic	Yes	Yes	Yes	NTC	Yes	No
FNB40560	600	5	n/a	20	IGBT	SPM45H 26L DIP	Ceramic	Yes	Yes	Yes	NTC	Yes	No
FNA40860	600	8	n/a	5	IGBT	SPM45H 26L DIP	Ceramic	Yes	Yes	Yes	NTC	Yes	No
FNA41060	600	10	n/a	5	IGBT	SPM45H 26L DIP	Ceramic	Yes	Yes	Yes	NTC	Yes	No
FNB41060	600	10	n/a	20	IGBT	SPM45H 26L DIP	Ceramic	Yes	Yes	Yes	NTC	Yes	No
FNA41560	600	15	n/a	5	IGBT	SPM45H 26L DIP	Ceramic	Yes	Yes	Yes	NTC	Yes	No
FNB41560	600	15	n/a	20	IGBT	SPM45H 26L DIP	Ceramic	Yes	Yes	Yes	NTC	Yes	No
FNC42060F	600	20	n/a	20	IGBT	SPM45H 26L DIP	Ceramic	Yes	Yes	Yes	NTC	Yes	No

Motion SPM® 5 Family

Description

Motion SPM® 5 series modules are based on fast-recovery MOSFET (FRFET®) technology as a compact inverter solution for small power motor drive applications such as fans and pumps. These modules contain six FRFET MOSFETs, three half-bridge gate driver HVICs, temperature sensing, and three bootstrap diodes in a compact package, fully isolated and optimized for thermal performance. Electromagnetic interference (EMI) characteristics are optimized via tuned switching and reduced parasitic inductance. Employing MOSFETs, they provide much more ruggedness and a larger safe operating area (SOA) than IGBT-based power modules. These modules are ideal for compact and reliable inverter designs where assembly space is constrained.



Package Overview

Applications

- Dishwashers
- Ceiling Fans
- Pumps



MOTION SPM® MODULES

Motion SPM® 5 Family

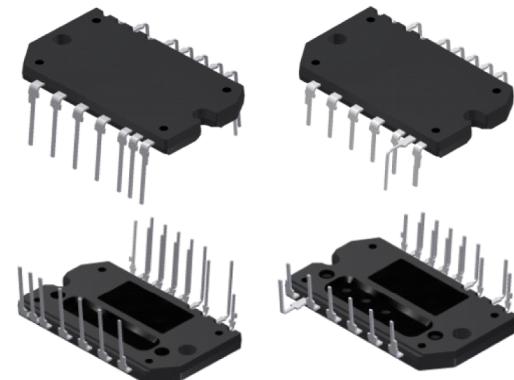
Part Number	Voltage (V)	Current Rating (A @ 25°C)	Rds_on (Ω, max @ 25°C)	Optimized Switching (kHz)	Device	Package	Thermal Interface	Bootstrap Diodes	UVLO Protection	Short Circuit Protection	Temp Output	Shut-down Pin	Interlock
FSB52006S	60	2.6	0.08	20	MOSFET	SPM5 23L SMT	Plastic	No	Yes	No	No	No	No
FSB50325T	250	1.5	1.8	20	MOSFET	SPM5 23L Double DIP	Plastic	No	Yes	No	No	No	No
FSB50325A	250	1.7	1.7	20	MOSFET	SPM5 23L DIP	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50325AT	250	1.7	1.7	20	MOSFET	SPM5 23L Double DIP	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50825A	250	3.6	0.45	20	MOSFET	SPM5 23L DIP	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50825AS	250	3.6	0.45	20	MOSFET	SPM5 23L SMT	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50825US	250	4	0.45	20	MOSFET	SPM5 23L SMT	Plastic	No	Yes	No	No	No	No
FSB50250	500	1	4	20	MOSFET	SPM5 23L DIP	Plastic	No	Yes	No	No	No	No
FSB50250UD	500	1.1	4.2	20	MOSFET	SPM5 23L DIP	Plastic	Yes	Yes	No	No	No	No
FSB50250US	500	1.1	4.2	20	MOSFET	SPM5 23L SMT	Plastic	No	Yes	No	No	No	No
FSB50250UTD	500	1.1	4.2	20	MOSFET	SPM5 23L Double DIP	Plastic	Yes	Yes	No	No	No	No
FSB50250A	500	1.2	3.8	20	MOSFET	SPM5 23L DIP	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50250AS	500	1.2	3.8	20	MOSFET	SPM5 23L SMT	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50250AT	500	1.2	3.8	20	MOSFET	SPM5 23L Double DIP	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50450	500	1.5	2.4	20	MOSFET	SPM5 23L DIP	Plastic	No	Yes	No	No	No	No
FSB50450A	500	1.5	2.4	20	MOSFET	SPM5 23L DIP	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50450AS	500	1.5	2.4	20	MOSFET	SPM5 23L SMT	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50450AT	500	1.5	2.4	20	MOSFET	SPM5 23L Double DIP	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50450S	500	1.5	2.4	20	MOSFET	SPM5 23L SMT	Plastic	No	Yes	No	No	No	No
FSB50450UD	500	1.5	2.4	20	MOSFET	SPM5 23L DIP	Plastic	Yes	Yes	No	No	No	No
FSB50450US	500	1.5	2.4	20	MOSFET	SPM5 23L SMT	Plastic	No	Yes	No	No	No	No
FSB50550T	500	1.8	1.7	20	MOSFET	SPM5 23L Double DIP	Plastic	No	Yes	No	No	No	No
FSB50550A	500	2	1.4	20	MOSFET	SPM5 23L DIP	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50550AS	500	2	1.4	20	MOSFET	SPM5 23L SMT	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50550AT	500	2	1.4	20	MOSFET	SPM5 23L Double DIP	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50550US	500	2	1.4	20	MOSFET	SPM5 23L SMT	Plastic	No	Yes	No	No	No	No
FSB50550UTD	500	2	1.4	20	MOSFET	SPM5 23L Double DIP	Plastic	Yes	Yes	No	No	No	No
FSB50660SF	600	3.1	0.7	20	MOSFET	SPM5 23L DIP	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50660SFS	600	3.1	0.7	20	MOSFET	SPM5 23L SMT	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50660SFT	600	3.1	0.7	20	MOSFET	SPM5 23L Double DIP	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50760SF	600	3.6	0.53	20	MOSFET	SPM5 23L DIP	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50760SFS	600	3.6	0.53	20	MOSFET	SPM5 23L SMT	Plastic	Yes	Yes	No	HVIC Output	No	No
FSB50760SFT	600	3.6	0.53	20	MOSFET	SPM5 23L Double DIP	Plastic	Yes	Yes	No	HVIC Output	No	No

[App Notes](#)
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[Data Sheets](#)

Motion SPM® 55 Family

Description

Motion SPM® 55 modules provide fully-featured, high-performance inverter output stages for AC Induction, BLDC controller, and PMSM motors. These modules integrate optimized gate drive of the built-in IGBTs to minimize EMI and losses, while also providing multiple on-module protection features including under-voltage lockouts, interlock function, over-current shutdown, thermal monitoring, and fault reporting. The built-in, high-speed HVIC requires only a single supply voltage and translates the incoming logic-level gate inputs to the high-voltage, high-current drive signals required to properly drive the module's robust short-circuit-rated IGBTs. Separate negative IGBT terminals are available for each phase to support the widest variety of control algorithms.



Package Overview

Applications

- Washing Machines
- Refrigerators
- Dishwashers
- Consumer & Industrial Fans
- Pumps



Part Number	Voltage (V)	Current Rating (A @ 25°C)	Rds_on (Ω, max @ 25°C)	Optimized Switching (kHz)	Device	Package	Thermal Interface	Bootstrap Diodes	UVLO Protection	Short Circuit Protection	Temp Output	Shutdown Pin	Interlock
FNB50560T1	600	5	n/a	15	IGBT	SPM55 20L Double DIP	Plastic	No	Yes	Yes	HVIC Output	Yes	Yes
FNA51060T3	600	10	n/a	5	IGBT	SPM55 20L Double DIP	Plastic	No	Yes	Yes	HVIC Output	Yes	Yes
FNB51060T1	600	10	n/a	15	IGBT	SPM55 20L Double DIP	Plastic	No	Yes	Yes	HVIC Output	Yes	Yes
FNA51560T3	600	15	n/a	5	IGBT	SPM55 20L Double DIP	Plastic	No	Yes	Yes	HVIC Output	Yes	Yes
FNB51560T1	600	15	n/a	15	IGBT	SPM55 20L Double DIP	Plastic	No	Yes	Yes	HVIC Output	Yes	Yes

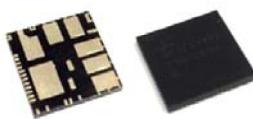
Motion SPM® 7 Family

Description

Motion SPM® 7 modules provide fully-featured, high-performance inverter output stages for smaller appliances such as fans and pumps. These modules integrate optimized gate drive of the built-in MOSFETs (FRFET® technology) to minimize EMI and losses, while also providing multiple on-module protection features including under-voltage lockouts, thermal monitoring, fault reporting, and interlock function. The built-in HVIC translates the incoming logic-level gate inputs to the high-voltage, high-current drive signals required to properly drive the module's internal MOSFETs. Separate open-source MOSFET terminals are available for each phase to support the widest variety of control algorithms.

Applications

- Air Conditioner Fans
- Pedestal Fans
- Ceiling Fans
- Small Pumps



Part Number	Voltage (V)	Current Rating (A @ 25°C)	R _{ds_on} (Ω, max @ 25°C)	Optimized Switching (kHz)	Device	Package	Thermal Interface	Bootstrap Diodes	UVLO Protection	Short Circuit Protection	Temp Output	Shutdown Pin	Interlock
FSB70325	250	4.1	1.4	20	MOSFET	PQFN 27L	Plastic	No	Yes	Yes	HVIC Output	Yes	Yes
FSB70625	250	6.9	0.8	20	MOSFET	PQFN 27L	Plastic	No	Yes	Yes	HVIC Output	Yes	Yes
FSB70250	500	3.3	3.4	20	MOSFET	PQFN 27L	Plastic	No	Yes	Yes	HVIC Output	Yes	Yes
FSB70450	500	4.8	2.2	20	MOSFET	PQFN 27L	Plastic	No	Yes	Yes	HVIC Output	Yes	Yes
FSB70550	500	5.3	1.85	20	MOSFET	PQFN 27L	Plastic	No	Yes	Yes	HVIC Output	Yes	Yes

Automotive

- Brake Systems
- Direct Fuel Injection
- Electric Coolant Pump
- Electric Fuel Pump
- Electric Oil Pump
- Electric Power Steering
- Electrically Driven A/C Compressor
- Engine Cooling Fan
- HID Lighting
- Ignition
- Power Inverters

Cloud/Servers/Data Centers

- Server (PSU & Motherboard)
- Solid State Drive (SSD)
- Uninterruptible Power Supply

Computing and Storage

- Desktop PC
- Notebook PC
- Server
- Solid State Drive (SSD)
- Uninterruptible Power Supply

Home Appliance & White Goods

- Air Conditioner
- Digital Power Generator
- Fan Motor / Pump
- Induction Heating
- Low Voltage Inverter
- Refrigerator
- Uninterruptible Power Supply
- Washing Machine / Dishwasher
- Pedestal/Ceiling/Range Hood Fan

Industrial Automation

- Sensors
- Human Machine Interface (HMI)
- Industrial Motion & Motor Control

Industrial Motion & Motor Control

- Air Conditioner
- Engine Cooling Fan
- Fan Motor / Pump
- Low Voltage Inverter
- Refrigerator
- Washing Machine / Dishwasher

Lighting

- Backlighting BLU
- Fluorescent Lamp
- HID Lamp
- LCD TV & Monitor (CCFL BLU)
- LED Lighting
- LED TV & Monitor (LED BLU)
- PDP-TV
- Portable LED Drivers

Machine-to-Machine (M2M)

- GPS
- Industrial Automation
- Mobile Wireless
- Smart Meter
- Smart Home & Home Entertainment

Medical

- A/C Powered Hair Removal Unit
- Automatic External Defibrillator
- Blood Glucose Monitor
- Electronic / Digital Stethoscope
- Hearing Aid
- Medical Pump / Fan / Motor Application
- Medical USB Port
- Portable, Coin Cell & AA based Battery
- Portable, Single & Dual Cell Li Battery
- Positive Airway Pressure Machine
- Pulse Oximeter

Mobile Wireless

- Charger (CC/CV)
- Mobile Handsets
- MP3 & Cloud Portable Player
- Tablets
- USB

Motion Tracking

- 3D Character Animation
- 3D Wearable Technology
- Human Motion Measurement
- Inertial Sensor Modules

Networking & Gateway

- Critical Embedded Power
- Firewall & Security Appliances
- Modem
- Routers
- Switches

Portable Consumer

- Audio
- Digital Still Camera
- GPS
- MP3 & Cloud Portable Player
- USB

Power Supply

- Charger (CV/CC)
- Computing & Storage
- Home Appliances & White Goods
- Portable Consumer
- Smart Grid & Metering
- Smart Home & Home Entertainment
- Telecommunication Infrastructure

Smart Grid & Metering

- Smart Meter
- Solar Inverter

Smart Home & Home Entertainment

- Audio
- Digital Still Camera
- DVD
- LCD TV & Monitor (CCFL BLU)
- LED TV & Monitor (LED BLU)
- Notebook PC
- PDP TV
- Set-top Box
- TV & Monitor
- USB

Solar/Renewable Energy/UPS

- Central Inverter System
- Micro Converter System
- Micro Inverter System
- Solar Inverter
- Uninterruptible Power Supply

Travel Adaptors & Power Banks

- Adaptors
- Chargers (CC/CV)
- Mobile Wireless
- Portable Consumer
- USB

Telecom Infrastructure

- Critical Embedded Power
- Optical Networking & Infrastructures
- Telecommunication Systems
- Video Broadcasting, Processing, Communication System

Wearables

- 3D Wearable Technology

Welding & Induction Heating

- Induction Heating
- Welding Machine

ABOUT FAIRCHILD

Fairchild is all about power management. And to that end, we provide a unique combination of design and manufacturing expertise to our customers, allowing them to power amazing electronic products. Our mission is to help you build the absolute best product possible and to ensure that we meet or exceed your time-to-market and quality requirements.

This product guide and the Fairchild website will enable you to find the information and products you need to meet the power demands of your design. If questions remain about product specs or you require design assistance, please contact us directly. Often, the solution to a particular problem involves a unique combination of products or a process modification that wasn't obvious in the spec review. Fairchild is committed to help you find that solution. We want your power design experience to be amazing.



SILICON VALLEY HEADQUARTERS

Fairchild Semiconductor Corporation
3030 Orchard Parkway
San Jose, CA 95134
U.S.A.

dir +1 408-822-2000
fairchildsemi.com

CORPORATE OFFICES

Fairchild Semiconductor Corporation
82 Running Hill Road
South Portland, ME 04106
U.S.A.

dir +1 207-775-8100
fairchildsemi.com

ASIA PACIFIC

Fairchild Semiconductor
Asia Pacific Pte Ltd.
54 Serangoon North Ave 4
#02-01
Singapore 555854

dir +65 6496-8888