

FDMF5062

Smart Power Stage (SPS) Modules with Integrated Current and Temperature Monitors

Product Overview

For complete documentation, see the data sheet.

Features


- Up to 70A Instantaneous Peak Current Handling Capability
- High-Performance, Universal Footprint, Copper-Clip 5 mm x 6 mm PQFN Package
- ON Semiconductor’s PowerTrench® MOSFETs for Clean Voltage Waveforms and Reduced Ringing
- 30 V / 25 V Breakdown Voltage MOSFETs for Higher Long-Term Reliability
- Optimized FET Pair for Highest Efficiency at 10% ~ 15 % Duty Cycle
- Optimized for Switching Frequencies up to 1 MHz
- Integrated Current Monitoring (IMON)
- Integrated Temperature Monitoring (TMON)
- Catastrophic Fault Detection Features
- Thermal Flag (OTP) for Over-Temperature Condition

For more features, see the data sheet

Applications

- CPU and Memory Voltage Regulators
- High-Current Multiphase Voltage Regulators
- Artificial Intelligence Add-On Cards
- Server CPUs, Storage, Telecom
- DC/DC Power Module

Part Electrical Specifications

Product	Status	Compliance	V <sub>CEIN</sub> (V) Typ	V <sub>IN</sub> (V) Typ	PWM Level	I <sub>O</sub> (A) Max	f <sub>max</sub> (MHz) Max	Packa ge Type	Case Outline	MSL Type	MSL Temp (°C)	Contai ner Type	Contai ner Qty.
FDMF5062	Active		5	12	3.3V, 5V	70	1	PQFN- 39	483BF .PDF	1	260	REEL	3000