



FDMF3033 Information



For Reference Only

Part Number FDMF3033

Manufacturer Fairchild/ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Full, Half-Bridge Drivers

Description IC HALF-BRIDGE DRVR PWM 31PQFN

Package 31-PowerWFQFN

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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FDMF3033 Specifications

Manufacturer Part Number FDMF3033 Manufacturer Fairchild/ON Semiconductor Category Integrated Circuits (ICs) PMIC - Full, Half-Bridge Drivers Package 31-PowerWFQFN Series PowerTrench? Output Configuration Half Bridge Applications Synchronous Buck Converters Interface PWM Load Type Inductive Technology Power MOSFET Rds On (Typ) 1 Ohm LS, 1 Ohm HS Current - Output / Channel 60A Current - Peak Output - Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 24 V Operating Temperature -40°C ~ 125°C (TJ) Features Bootstrap Circuit, Diode Emulation Fault Protection Shoot-Through Mounting Type Surface Mount Package / Case 31-PowerWFQFN Supplier Device Package 31-POFFN (5x5)		
CategoryIntegrated Circuits (ICs)Package31-PowerWFQFNSeriesPowerTrench?Output ConfigurationHalf BridgeApplicationsSynchronous Buck ConvertersInterfacePWMLoad TypeInductiveTechnologyPower MOSFETRds On (Typ)1 Ohm LS, 1 Ohm HSCurrent - Output / Channel60ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load4.5 V ~ 24 VOperating Temperature-40°C ~ 125°C (TJ)FeaturesBootstrap Circuit, Diode EmulationFault ProtectionShoot-ThroughMounting TypeSurface MountPackage / Case31-PowerWFQFNSupplier Device Package31-PQFN (5x5)	Manufacturer Part Number	FDMF3033
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Applications Interface PWM Load Type Inductive Technology Power MOSFET Rds On (Typ) 1 Ohm LS, 1 Ohm HS Current - Output / Channel Current - Peak Output Voltage - Supply Voltage - Load Operating Temperature Features Bootstrap Circuit, Diode Emulation Fault Protection Mounting Type Surface Mount Synchronous Buck Converters Inductive PWM Inductive Inductiv	Series	PowerTrench?
Interface PWM Load Type Inductive Technology Power MOSFET Rds On (Typ) 1 Ohm LS, 1 Ohm HS Current - Output / Channel 60A Current - Peak Output Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 24 V Operating Temperature -40°C ~ 125°C (TJ) Features Bootstrap Circuit, Diode Emulation Fault Protection Shoot-Through Mounting Type Surface Mount Package / Case 31-PowerWFQFN Supplier Device Package 31-PQFN (5x5)	Output Configuration	Half Bridge
Load Type Inductive Technology Power MOSFET Rds On (Typ) 1 Ohm LS, 1 Ohm HS Current - Output / Channel 60A Current - Peak Output - Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 24 V Operating Temperature -40°C ~ 125°C (TJ) Features Bootstrap Circuit, Diode Emulation Fault Protection Shoot-Through Mounting Type Surface Mount Package / Case 31-PowerWFQFN Supplier Device Package 31-PQFN (5x5)	Applications	Synchronous Buck Converters
Technology Rds On (Typ) 1 Ohm LS, 1 Ohm HS Current - Output / Channel 60A Current - Peak Output - Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 24 V Operating Temperature -40°C ~ 125°C (TJ) Features Bootstrap Circuit, Diode Emulation Fault Protection Shoot-Through Mounting Type Surface Mount Package / Case 31-PowerWFQFN Supplier Device Package 31-PQFN (5x5)	Interface	PWM
Rds On (Typ)1 Ohm LS, 1 Ohm HSCurrent - Output / Channel60ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load4.5 V ~ 24 VOperating Temperature-40°C ~ 125°C (TJ)FeaturesBootstrap Circuit, Diode EmulationFault ProtectionShoot-ThroughMounting TypeSurface MountPackage / Case31-PowerWFQFNSupplier Device Package31-PQFN (5x5)	Load Type	Inductive
Current - Output / Channel 60A Current - Peak Output - Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 24 V Operating Temperature -40°C ~ 125°C (TJ) Features Bootstrap Circuit, Diode Emulation Fault Protection Shoot-Through Mounting Type Surface Mount Package / Case 31-PowerWFQFN Supplier Device Package 31-PQFN (5x5)	Technology	Power MOSFET
Current - Peak Output Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 24 V Operating Temperature -40°C ~ 125°C (TJ) Features Bootstrap Circuit, Diode Emulation Fault Protection Shoot-Through Mounting Type Surface Mount Package / Case 31-PowerWFQFN Supplier Device Package 31-PQFN (5x5)	Rds On (Typ)	1 Ohm LS, 1 Ohm HS
Voltage - Supply 4.5 V \sim 5.5 V Voltage - Load 4.5 V \sim 24 V Operating Temperature -40°C \sim 125°C (TJ) Features Bootstrap Circuit, Diode Emulation Fault Protection Shoot-Through Mounting Type Surface Mount Package / Case 31-PowerWFQFN Supplier Device Package 31-PQFN (5x5)	Current - Output / Channel	60A
Voltage - Load 4.5 V ~ 24 V Operating Temperature -40°C ~ 125°C (TJ) Features Bootstrap Circuit, Diode Emulation Fault Protection Shoot-Through Mounting Type Surface Mount Package / Case 31-PowerWFQFN Supplier Device Package 31-PQFN (5x5)	Current - Peak Output	-
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Fault Protection Shoot-Through Mounting Type Surface Mount Package / Case 31-PowerWFQFN Supplier Device Package 31-PQFN (5x5)	Operating Temperature	-40°C ~ 125°C (TJ)
Mounting Type Surface Mount Package / Case 31-PowerWFQFN Supplier Device Package 31-PQFN (5x5)	Features	Bootstrap Circuit, Diode Emulation
Package / Case 31-PowerWFQFN Supplier Device Package 31-PQFN (5x5)	Fault Protection	Shoot-Through
Supplier Device Package 31-PQFN (5x5)	Mounting Type	Surface Mount
	Package / Case	31-PowerWFQFN
Report errors?	Supplier Device Package	31-PQFN (5x5)
		Report errors?

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Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

FDMF3033 Payment Methods



















FDMF3033 Shipping Methods













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