

FAN7389M Information

Heisener.com

Part Number FAN7389M

Manufacturer ON Semiconductor

Category

Integrated Circuits (ICs)

PMIC - Gate Drivers

Description

IC GATE-DRIVE 3PH HALFBRDG 24SOP

Package

24-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com

E-mail: salesdept@heisener.com



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Certified Quality

For Reference Only

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FAN7389M Specifications

Manufacturer Part NumberFAN7389MManufacturerON SemiconductorCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage24-SOIC (0.295", 7.50mm Width)Series-Driven ConfigurationHalf-BridgeChannel Type3-PhaseNumber of Drivers6Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.5VCurrent - Peak Output (Source, Sink)350mA, 650mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)50ns, 30nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case24-SOIC (0.295", 7.50mm Width)		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 24-SOIC (0.295", 7.50mm Width) Series - Driven Configuration Half-Bridge Channel Type 3-Phase Number of Drivers 6 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type	Manufacturer Part Number	FAN7389M
Package 24-SOIC (0.295", 7.50mm Width) Series - Driven Configuration Half-Bridge Channel Type 3-Phase Number of Drivers 6 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.5V Current - Peak Output (Source, Sink) 350mA, 650mA Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 50ns, 30ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount	Manufacturer	ON Semiconductor
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Channel Type Number of Drivers 6 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 40°C ~ 150°C (TJ) Mounting Type	Series	-
Number of Drivers Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Surface Mount	Driven Configuration	Half-Bridge
$\begin{array}{lll} \text{Gate Type} & \text{IGBT, N-Channel MOSFET} \\ \text{Voltage - Supply} & 10 \text{ V} \sim 20 \text{ V} \\ \text{Logic Voltage - VIL, VIH} & 0.8 \text{V, } 2.5 \text{V} \\ \text{Current - Peak Output (Source, Sink)} & 350 \text{mA, } 650 \text{mA} \\ \text{Input Type} & \text{Non-Inverting} \\ \text{High Side Voltage - Max (Bootstrap)} & 600 \text{V} \\ \text{Rise / Fall Time (Typ)} & 50 \text{ns, } 30 \text{ns} \\ \text{Operating Temperature} & -40^{\circ}\text{C} \sim 150^{\circ}\text{C (TJ)} \\ \text{Mounting Type} & \text{Surface Mount} \\ \end{array}$	Channel Type	3-Phase
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type 10 V ~ 20 V 0.8V, 2.5V 350mA, 650mA Non-Inverting 600V Surface Mount	Number of Drivers	6
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Output (Source, Sink) 350mA, 650mA Non-Inverting 600V 50ns, 30ns Operating Temperature -40°C ~ 150°C (TJ) Surface Mount	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type 350mA, 650mA Non-Inverting 600V 50ns, 30ns -40°C ~ 150°C (TJ) Surface Mount	Voltage - Supply	10 V ~ 20 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap) $600V$ Rise / Fall Time (Typ) $50ns, 30ns$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)Mounting TypeSurface Mount	Logic Voltage - VIL, VIH	0.8V, 2.5V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Operating Type 600V 50ns, 30ns -40°C ~ 150°C (TJ) Surface Mount	Current - Peak Output (Source, Sink)	350mA, 650mA
Rise / Fall Time (Typ) $50 \text{ns}, 30 \text{ns}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ) Mounting Type Surface Mount	Input Type	Non-Inverting
Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$ Mounting Type Surface Mount	High Side Voltage - Max (Bootstrap)	600V
Mounting Type Surface Mount	Rise / Fall Time (Typ)	50ns, 30ns
	Operating Temperature	-40°C ~ 150°C (TJ)
Package / Case 24-SOIC (0.295", 7.50mm Width)	Mounting Type	Surface Mount
	Package / Case	24-SOIC (0.295", 7.50mm Width)
Supplier Device Package 24-SOP	Supplier Device Package	24-SOP
Report errors?		Report errors?

FAN7389M Guarantees



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.

FAN7389M Payment Methods



















FAN7389M Shipping Methods













If you have any question about FAN7389M, please do not hesitate to contact us!

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