

### **FAN7392M Information**

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Part Number FAN7392M

Manufacturer Fairchild/ON Semiconductor

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC GATE DVR HALF BRIDGE 16SOIC

**Package** 16-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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## **Certified Quality**

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# **FAN7392M Specifications**

Manufacturer Part NumberFAN7392MManufacturerFairchild/ON SemiconductorCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage16-SOIC (0.295", 7.50mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH4.5V, 9.5VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)25ns, 20nsOperating Temperature-40°C ~ 150°C (TJ)	•	
Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  16-SOIC (0.295", 7.50mm Width)  Series  - Driven Configuration  Half-Bridge  Channel Type  Independent  Number of Drivers  Gate Type  Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  I6-SOIC (0.295", 7.50mm Width)  Lagree Drivers  - Universe Under Drivers  - Undependent  Independent  Independent  Independent  Independent  10 V ~ 20 V  4.5V, 9.5V  4.5V, 9.5V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature	Manufacturer Part Number	FAN7392M
PMIC - Gate Drivers  Package 16-SOIC (0.295", 7.50mm Width)  Series - Driven Configuration Half-Bridge Channel Type Independent  Number of Drivers 2  Gate Type IGBT, N-Channel MOSFET  Voltage - Supply 10 V ~ 20 V  Logic Voltage - VIL, VIH 4.5V, 9.5V  Current - Peak Output (Source, Sink) 3A, 3A  Input Type Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ) 25ns, 20ns  Operating Temperature -40°C ~ 150°C (TJ)	Manufacturer	Fairchild/ON Semiconductor
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Series  Driven Configuration  Half-Bridge  Channel Type  Independent  Number of Drivers  2  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  4.5V, 9.5V  Current - Peak Output (Source, Sink)  Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)		PMIC - Gate Drivers
Driven Configuration  Channel Type  Independent  Number of Drivers  2  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Half-Bridge  Independent  Auf-Bridge  Independent  10 V ~ 20 V  4.5V, 9.5V  A.5V, 9.5V  Son-Inverting  600V  25ns, 20ns  -40°C ~ 150°C (TJ)	Package	16-SOIC (0.295", 7.50mm Width)
Channel Type  Number of Drivers  2  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Independent  1 Independent  1 Independent  1 Independent  1 Independent  1 Independent  1 Independent  2 Independent  1 I	Series	-
Number of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH4.5V, 9.5VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)25ns, 20nsOperating Temperature-40°C ~ 150°C (TJ)	Driven Configuration	Half-Bridge
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Channel Type	Independent
Voltage - Supply $10 \text{ V} \sim 20 \text{ V}$ Logic Voltage - VIL, VIH $4.5\text{V}, 9.5\text{V}$ Current - Peak Output (Source, Sink) $3\text{A}, 3\text{A}$ Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap) $600\text{V}$ Rise / Fall Time (Typ) $25\text{ns}, 20\text{ns}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)	Number of Drivers	2
Logic Voltage - VIL, VIH  4.5V, 9.5V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  4.5V, 9.5V  3A, 3A  Input Type  Non-Inverting  600V  25ns, 20ns  -40°C ~ 150°C (TJ)	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink) $3A, 3A$ Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap) $600V$ Rise / Fall Time (Typ) $25ns, 20ns$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)	Voltage - Supply	10 V ~ 20 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap) $600V$ Rise / Fall Time (Typ) $25ns$ , $20ns$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)	Logic Voltage - VIL, VIH	4.5V, 9.5V
High Side Voltage - Max (Bootstrap) $600V$ Rise / Fall Time (Typ) $25ns$ , $20ns$ Operating Temperature $-40^{\circ}C \sim 150^{\circ}C$ (TJ)	Current - Peak Output (Source, Sink)	3A, 3A
Rise / Fall Time (Typ) $25 \text{ns}, 20 \text{ns}$ Operating Temperature $-40 ^{\circ}\text{C} \sim 150 ^{\circ}\text{C}$ (TJ)	Input Type	Non-Inverting
Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$	High Side Voltage - Max (Bootstrap)	600V
	Rise / Fall Time (Typ)	25ns, 20ns
	Operating Temperature	-40°C ~ 150°C (TJ)
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 16-SOIC (0.295", 7.50mm Width)	Package / Case	16-SOIC (0.295", 7.50mm Width)
Supplier Device Package 16-SOIC	Supplier Device Package	16-SOIC
Report errors?		Report errors?

### **FAN7392M 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.

## **FAN7392M Payment Methods**





















## **FAN7392M Shipping Methods**













If you have any question about FAN7392M, please do not hesitate to contact us!

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