

FAN7383M Information



For Reference Only

Part Number FAN7383M

Manufacturer Fairchild/ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Gate Drivers

Description IC DRIVER GATE HALF BRIDG 14SOIC

Package 14-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









FAN7383M Specifications

Manufacturer Part Number Manufacturer Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 14-SOIC (0.154", 3.90mm Width) Series Driven Configuration Channel Type Number of Drivers Gate Type Voltage - Supply Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) FAN7383M Fairchild/ON Semiconductor Fairchild/ON Semiconductor Integrated Circuits (ICs) PMIC - Gate Drivers 14-SOIC (0.154", 3.90mm Width) Series - Universed Type Synchronous 14-BIf-Bridge Synchronous 14-BIf-Bridge Synchronous 14-BIf-Bridge Synchronous 14-BIf-Bridge 14-SOIC (0.154", 3.90mm Width) 15-SOIC (
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 14-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 15 V ~ 20 V Logic Voltage - VIL, VIH 1.2V, 2.9V Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) Integrated Circuits (ICs) PMIC - Gate Drivers - Integrated Circuits (ICs) PMIC - Gate Drivers - Integrated Circuits (ICs) PMIC - Gate Drivers - Integrated Circuits (ICs) Non-Inverting High Side Voltage - Max (Bootstrap)	Manufacturer Part Number	FAN7383M
PMIC - Gate Drivers Package 14-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 15 V ~ 20 V Logic Voltage - VIL, VIH 1.2V, 2.9V Current - Peak Output (Source, Sink) 350mA, 650mA Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V	Manufacturer	Fairchild/ON Semiconductor
Package 14-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 15 V ~ 20 V Logic Voltage - VIL, VIH 1.2V, 2.9V Current - Peak Output (Source, Sink) 350mA, 650mA Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V	Category	Integrated Circuits (ICs)
Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 15 V ~ 20 V Logic Voltage - VIL, VIH 1.2V, 2.9V Current - Peak Output (Source, Sink) 350mA, 650mA Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V		PMIC - Gate Drivers
Driven Configuration Channel Type Synchronous Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 1.2V, 2.9V Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) Half-Bridge Synchronous 12 13 14 15 15 15 15 15 15 15 15 15	Package	14-SOIC (0.154", 3.90mm Width)
Channel Type Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 1.2V, 2.9V Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) Synchronous 2 Gate Type IGBT, N-Channel MOSFET 15 V ~ 20 V 1.2V, 2.9V 350mA, 650mA Non-Inverting High Side Voltage - Max (Bootstrap)	Series	-
Number of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply15 V ~ 20 VLogic Voltage - VIL, VIH1.2V, 2.9VCurrent - Peak Output (Source, Sink)350mA, 650mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600V	Driven Configuration	Half-Bridge
Gate Type Voltage - Supply Logic Voltage - VIL, VIH 1.2V, 2.9V Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) IGBT, N-Channel MOSFET 15 V ~ 20 V 1.2V, 2.9V 350mA, 650mA Non-Inverting 600V	Channel Type	Synchronous
Voltage - Supply Logic Voltage - VIL, VIH 1.2V, 2.9V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 15 V ~ 20 V 1.2V, 2.9V 350mA, 650mA Non-Inverting	Number of Drivers	2
Logic Voltage - VIL, VIH 1.2V, 2.9V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) 350mA, 650mA Non-Inverting 600V	Voltage - Supply	15 V ~ 20 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V	Logic Voltage - VIL, VIH	1.2V, 2.9V
High Side Voltage - Max (Bootstrap) 600V	Current - Peak Output (Source, Sink)	350mA, 650mA
	Input Type	Non-Inverting
Disc / Foll Time (Typ)	High Side Voltage - Max (Bootstrap)	600V
Kise / Fail Time (Typ) Sons, Sons	Rise / Fall Time (Typ)	50ns, 30ns
Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$	Operating Temperature	-40°C ~ 150°C (TJ)
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 14-SOIC (0.154", 3.90mm Width)	Package / Case	14-SOIC (0.154", 3.90mm Width)
Supplier Device Package 14-SOP	Supplier Device Package	14-SOP
Report errors		Report errors?

FAN7383M 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.

FAN7383M Payment Methods





















FAN7383M Shipping Methods













If you have any question about FAN7383M, please do not hesitate to contact us!

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