



TC4429VMF Information



For Reference Only

Part Number TC4429VMF

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC MOSFET DRIVER 6A HS 8DFN

Package 8-VDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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TC4429VMF Specifications

Manufacturer Part NumberTC4429VMFManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-VDFN Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-S (6x5)Report errors?		
CategoryIntegrated Circuits (ICs)Package8-VDFN Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-S (6x5)	Manufacturer Part Number	TC4429VMF
Package 8-VDFN Exposed Pad Series - Driven Configuration Low-Side Channel Type Single Number of Drivers 1 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2.4V Current - Peak Output (Source, Sink) 6A, 6A Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 25ns, 25ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN-S (6x5)	Manufacturer	Microchip Technology
Package8-VDFN Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-S (6x5)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-S (6x5)		PMIC - Gate Drivers
Driven Configuration Channel Type Single Number of Drivers 1 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package	Package	8-VDFN Exposed Pad
Channel Type Number of Drivers 1 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2.4V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 25ns, 25ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package	Series	-
Number of Drivers Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2.4V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case Supplier Device Package 8-DFN-S (6x5)	Driven Configuration	Low-Side
Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2.4V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case Supplier Device Package 8-DFN-S (6x5)	Channel Type	Single
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.4V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package	Number of Drivers	1
Logic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN-S (6x5)	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN-S (6x5)	Voltage - Supply	4.5 V ~ 18 V
Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 25ns, 25ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN-S (6x5)	Logic Voltage - VIL, VIH	0.8V, 2.4V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 25ns, 25ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN-S (6x5)	Current - Peak Output (Source, Sink)	6A, 6A
Rise / Fall Time (Typ) 25ns, 25ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN-S (6x5)	Input Type	Inverting
Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN-S (6x5)	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN-S (6x5)	Rise / Fall Time (Typ)	25ns, 25ns
Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN-S (6x5)	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package 8-DFN-S (6x5)	Mounting Type	Surface Mount
	Package / Case	8-VDFN Exposed Pad
Report errors?	Supplier Device Package	8-DFN-S (6x5)
		Report errors?

TC4429VMF 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.

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TC4429VMF Shipping Methods













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