



TC4428EMF Information



For Reference Only

Part Number TC4428EMF

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC MOSFET DVR 1.5A DUAL 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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TC4428EMF Specifications

Manufacturer Part Number Manufacturer Microchip Technology Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-VDFN Exposed Pad Series - Driven Configuration Low-Side Independent Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) - TC4428EMF Microchip Technology Integrated Circuits (ICs) PMIC - Gate Drivers - 8-VDFN Exposed Pad - Low-Side Independent Low-Side 1.5A, 1.5A Input Type Inverting, Non-Inverting - High Side Voltage - Max (Bootstrap)		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-VDFN Exposed Pad Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 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 Integrated Circuits (ICs) PMIC - Gate Drivers - 0.8V-2.4V Inverting, Non-Inverting	Manufacturer Part Number	TC4428EMF
PMIC - Gate Drivers Package 8-VDFN Exposed Pad Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 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, Non-Inverting	Manufacturer	Microchip Technology
Package 8-VDFN Exposed Pad Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 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) 1.5A, 1.5A Input Type Inverting, Non-Inverting	Category	Integrated Circuits (ICs)
Series - Low-Side Channel Type Independent Number of Drivers 2 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) 1.5A, 1.5A Input Type Inverting, Non-Inverting		PMIC - Gate Drivers
Driven Configuration Channel Type Independent Number of Drivers 2 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 Low-Side Independent 0.8V-Side Independent 1.54, 1.54 Inverting, Non-Inverting	Package	8-VDFN Exposed Pad
Channel Type Independent Number of Drivers 2 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) 1.5A, 1.5A Input Type Inverting, Non-Inverting	Series	-
Number of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInverting, Non-Inverting	Driven Configuration	Low-Side
	Channel Type	Independent
Voltage - Supply $ 4.5 \text{ V} \sim 18 \text{ V} $ Logic Voltage - VIL, VIH $ 0.8 \text{V}, 2.4 \text{V} $ Current - Peak Output (Source, Sink) $ 1.5 \text{A}, 1.5 \text{A} $ Input Type $ \text{Inverting, Non-Inverting} $	Number of Drivers	2
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type 0.8V, 2.4V 1.5A, 1.5A Inverting, Non-Inverting	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type 1.5A, 1.5A Inverting, Non-Inverting	Voltage - Supply	4.5 V ~ 18 V
Input Type Inverting, Non-Inverting	Logic Voltage - VIL, VIH	0.8V, 2.4V
	Current - Peak Output (Source, Sink)	1.5A, 1.5A
High Side Voltage - Max (Bootstrap)	Input Type	Inverting, Non-Inverting
	High Side Voltage - Max (Bootstrap)	-
Rise / Fall Time (Typ) 19ns, 19ns	Rise / Fall Time (Typ)	19ns, 19ns
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 8-VDFN Exposed Pad	Package / Case	8-VDFN Exposed Pad
Supplier Device Package 8-DFN-S (6x5)	Supplier Device Package	8-DFN-S (6x5)
Report errors?		Report errors?

TC4428EMF 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.

TC4428EMF Payment Methods



















TC4428EMF Shipping Methods













If you have any question about TC4428EMF, please do not hesitate to contact us!

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