



MIC4428YM Information



For Reference Only

Part Number MIC4428YM

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER MOSFET 1.5A DUAL 8SOIC

Package 8-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



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MIC4428YM Specifications

Manufacturer Part NumberMIC4428YMManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber 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		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) 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) Integrated Circuits (ICs) PMIC - Gate Drivers 8-SOIC (0.154", 3.90mm Width) Low-Side N-W-Side 1.54, 1.54	Manufacturer Part Number	MIC4428YM
PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) 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	Manufacturer	Microchip Technology
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Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.4V Current - Peak Output (Source, Sink) Low-Side Independent 2 0.8V-Side 1.5A, 1.5A	Package	8-SOIC (0.154", 3.90mm Width)
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	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, 1.5A	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} $	Number of Drivers	2
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) 0.8V, 2.4V 1.5A, 1.5A	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink) 1.5A, 1.5A	Voltage - Supply	4.5 V ~ 18 V
	Logic Voltage - VIL, VIH	0.8V, 2.4V
Input Type Inverting, Non-Inverting	Current - Peak Output (Source, Sink)	1.5A, 1.5A
	Input Type	Inverting, Non-Inverting
High Side Voltage - Max (Bootstrap)	High Side Voltage - Max (Bootstrap)	-
Rise / Fall Time (Typ) 20ns, 29ns	Rise / Fall Time (Typ)	20ns, 29ns
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-SOIC (0.154", 3.90mm Width)	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package 8-SOIC	Supplier Device Package	8-SOIC
Report errors?		Report errors?

MIC4428YM 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.

MIC4428YM Payment Methods



















MIC4428YM Shipping Methods













If you have any question about MIC4428YM, please do not hesitate to contact us!

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