



MIC4129YML-TR Information



For Reference Only

Part Number MIC4129YML-TR

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER MOSFET 6A INVERT 8-MLF

Package 8-VFDFN Exposed Pad, 8-MLF?

For the pricing/inventory/lead time, please contact

us

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



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MIC4129YML-TR Specifications

Manufacturer Part NumberMIC4129YML-TRManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-VFDFN Exposed Pad, 8-MLF?Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)12ns, 13nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, 8-MLF?Supplier Device Package8-MLF? (2x2)Report errors?		
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Package 8-VFDFN Exposed Pad, 8-MLF? Series - Driven Configuration Low-Side Channel Type Single Number of Drivers 1 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 20 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) 12ns, 13ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package 8-MLF? (2x2)	Manufacturer	Microchip Technology
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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 ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package	Package	8-VFDFN Exposed Pad, 8-MLF?
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Number of Drivers Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 20 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 ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package	Driven Configuration	Low-Side
Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 20 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) 12ns, 13ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package	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) 12ns, 13ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package	Number of Drivers	1
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 ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package	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 ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package 8-MLF? (2x2)	Voltage - Supply	4.5 V ~ 20 V
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Rise / Fall Time (Typ) 12ns, 13ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package 8-MLF? (2x2)	Input Type	Inverting
Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package 8-MLF? (2x2)	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package 8-MLF? (2x2)	Rise / Fall Time (Typ)	12ns, 13ns
Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package 8-MLF? (2x2)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 8-MLF? (2x2)	Mounting Type	Surface Mount
	Package / Case	8-VFDFN Exposed Pad, 8-MLF?
Report errors?	Supplier Device Package	8-MLF? (2x2)
		Report errors?

MIC4129YML-TR 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.

MIC4129YML-TR Payment Methods



















MIC4129YML-TR Shipping Methods













If you have any question about MIC4129YML-TR, please do not hesitate to contact us!

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