



MIC4126YML-TR Information



For Reference Only

Part Number MIC4126YML-TR

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER MOSFET 1.5A DUAL 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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MIC4126YML-TR Specifications

Manufacturer Part NumberMIC4126YML-TRManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-VFDFN Exposed Pad, 8-MLF?Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, 8-MLF?Supplier Device Package8-MLF? (2x2)		
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Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type N-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	Package	8-VFDFN Exposed Pad, 8-MLF?
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Number of Drivers Gate Type N-Channel MOSFET 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 ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package	Driven Configuration	Low-Side
Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, 8-MLF?Supplier Device Package8-MLF? (2x2)	Channel Type	Independent
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 ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package	Number of Drivers	2
Logic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed Pad, 8-MLF?Supplier Device Package8-MLF? (2x2)	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Operating Type Surface Mount Package / Case Supplier Device Package 1.5A, 1.5A Inverting - Coverable Surface Surface Mount Surface Mount 8-MLF? (2x2)	Voltage - Supply	4.5 V ~ 20 V
Input Type 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	Logic Voltage - VIL, VIH	0.8V, 2.4V
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)	Current - Peak Output (Source, Sink)	1.5A, 1.5A
Rise / Fall Time (Typ) 20ns, 18ns 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
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Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad, 8-MLF? Supplier Device Package 8-MLF? (2x2)	Rise / Fall Time (Typ)	20ns, 18ns
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?

MIC4126YML-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.

MIC4126YML-TR Payment Methods



















MIC4126YML-TR Shipping Methods













If you have any question about MIC4126YML-TR, please do not hesitate to contact us!

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