



MIC5021YN Information

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For Reference Only

Part Number MIC5021YN

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER MOSFET HI SIDE HS 8DIP

Package 8-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

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



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MIC5021YN Specifications

Manufacturer Part NumberMIC5021YNManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Package8-DIP (0.300", 7.62mm)Series-Driven ConfigurationHigh-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel MOSFETVoltage - Supply12 V ~ 36 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)400ns, 400nsOperating Temperature-40°C ~ 85°C (TA)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)	•	
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-DIP (0.300", 7.62mm) Series - Driven Configuration High-Side Channel Type Single Number of Drivers 1 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 12 V ~ 36 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 400°C ~ 85°C (TA) Mounting Type Trives Integrated Circuits (ICs) PMIC - Gate Drivers 1 Integrated Circuits (ICs) PMIC - Gate Drivers 1 Ingut	Manufacturer Part Number	MIC5021YN
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Gate TypeIGBT, N-Channel MOSFETVoltage - Supply12 V ~ 36 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)400ns, 400nsOperating Temperature-40°C ~ 85°C (TA)Mounting TypeThrough Hole	Channel Type	Single
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type 12 V ~ 36 V 0.8V, 2V - V 400ns, 400ns 400ns, 400ns Through Hole	Number of Drivers	1
Logic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)400ns, 400nsOperating Temperature-40°C ~ 85°C (TA)Mounting TypeThrough Hole	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type -40°C ~ 85°C (TA) Through Hole	Voltage - Supply	12 V ~ 36 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Non-Inverting 400ns, 400ns 400ns, 400ns Through Hole	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 400ns, 400ns Operating Temperature -40°C ~ 85°C (TA) Mounting Type Through Hole	Current - Peak Output (Source, Sink)	-
Rise / Fall Time (Typ) $400ns, 400ns$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)Mounting TypeThrough Hole	Input Type	Non-Inverting
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$ Mounting Type Through Hole	High Side Voltage - Max (Bootstrap)	-
Mounting Type Through Hole	Rise / Fall Time (Typ)	400ns, 400ns
	Operating Temperature	-40°C ~ 85°C (TA)
Package / Case 8-DIP (0.300", 7.62mm)	Mounting Type	Through Hole
	Package / Case	8-DIP (0.300", 7.62mm)
Supplier Device Package 8-PDIP	Supplier Device Package	8-PDIP
Report errors?		Report errors?

MIC5021YN 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.

MIC5021YN Payment Methods



















MIC5021YN Shipping Methods













If you have any question about MIC5021YN, please do not hesitate to contact us!

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