



HIP4081AIB Information



For Reference Only

Part Number HIP4081AIB

Manufacturer Intersil

Category Integrated Circuits (ICs)

PMIC - Gate Drivers

DescriptionIC DRIVER FULL-BRIDGE 20-SOICPackage20-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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



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HIP4081AIB Specifications

Manufacturer Part NumberHIP4081AIBManufacturerIntersilCategoryIntegrated Circuits (ICs)Package20-SOIC (0.295", 7.50mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers4Gate TypeN-Channel MOSFETVoltage - Supply9.5 V ~ 15 VLogic Voltage - VIL, VIH1V, 2.5VCurrent - Peak Output (Source, Sink)2.6A, 2.4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)95 VRise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 20-SOIC (0.295", 7.50mm Width) Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 1V, 2.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Ao°C ~ 125°C (TJ) Mounting Type Package / Case Input Width) Integrated Circuits (ICs) PMIC - Gate Drivers - Un. 20-SOIC (0.295", 7.50mm Width)	Manufacturer Part Number	HIP4081AIB
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Channel Type Independent Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 9.5 V ~ 15 V Logic Voltage - VIL, VIH 1V, 2.5V Current - Peak Output (Source, Sink) 2.6A, 2.4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 95V Rise / Fall Time (Typ) 10ns, 10ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width)	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 9.5 V ~ 15 V Logic Voltage - VIL, VIH 1V, 2.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width)	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply9.5 V ~ 15 VLogic Voltage - VIL, VIH1V, 2.5VCurrent - Peak Output (Source, Sink)2.6A, 2.4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)95VRise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case20-SOIC (0.295", 7.50mm Width)	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 1V, 2.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width)	Number of Drivers	4
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width)	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width)	Voltage - Supply	9.5 V ~ 15 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 10ns, 10ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width)	Logic Voltage - VIL, VIH	1V, 2.5V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 10ns, 10ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width)	Current - Peak Output (Source, Sink)	2.6A, 2.4A
Rise / Fall Time (Typ) 10ns, 10ns Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ) Mounting Type Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width)	Input Type	Non-Inverting
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TJ)}$ Mounting Type Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width)	High Side Voltage - Max (Bootstrap)	95V
Mounting Type Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width)	Rise / Fall Time (Typ)	10ns, 10ns
Package / Case 20-SOIC (0.295", 7.50mm Width)	Operating Temperature	-40°C ~ 125°C (TJ)
-	Mounting Type	Surface Mount
Supplier Device Package 20-SOIC	Package / Case	20-SOIC (0.295", 7.50mm Width)
	Supplier Device Package	20-SOIC
Report errors?		Report errors?

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Quality Guarantees

We provide 90 days warranty. *

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Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

HIP4081AIB Payment Methods



















HIP4081AIB Shipping Methods













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