



HIP4081AIB Information



For Reference Only

Part Number HIP4081AIB

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

DescriptionIC DRIVER FULL-BRIDGE 20-SOIC**Package**20-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 NumberHIP4081A1BManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage20-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)95VRise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case20-SOIC (0.295", 7.50mm Width)	•	
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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 Operating Type Surface Mount Package / Case 9.5 V ~ 15 V 1V, 2.5V 2.6A, 2.4A Non-Inverting Non-Inverting 10ns, 10ns -40°C ~ 125°C (TJ) Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width)	Number of Drivers	4
Logic 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)	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 Operating 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) 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)	Logic Voltage - VIL, VIH	1V, 2.5V
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)	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
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Supplier Device Package 20-SOIC	Supplier Device Package	20-SOIC
Report errors?		Report errors?

HIP4081AIB 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.

HIP4081AIB Payment Methods



















HIP4081AIB Shipping Methods













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