



HIP4081AIBZ Information



For Reference Only

Part Number HIP4081AIBZ

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER FET FULL BRIDGE 20SOIC

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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HIP4081AIBZ Specifications

Manufacturer Part NumberHIP4081AIBZManufacturerRenesas Electronics AmericaCategoryIntegrated 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)95VRise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOICReport errors?		
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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 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) Supplier Device Package	Manufacturer	Renesas Electronics America
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Driven Configuration Channel Type Independent Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 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 Half-Bridge Independent Half-Bridge Independent A A A A A A A A A A A A A	Package	20-SOIC (0.295", 7.50mm Width)
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) Supplier Device Package	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) Supplier Device Package	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)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	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) Supplier Device Package	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) Supplier Device Package	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) Supplier Device Package	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) Supplier Device Package	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) Supplier Device Package	Current - Peak Output (Source, Sink)	2.6A, 2.4A
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) Supplier Device Package	Input Type	Non-Inverting
Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	High Side Voltage - Max (Bootstrap)	95V
Mounting Type Surface Mount Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Rise / Fall Time (Typ)	10ns, 10ns
Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 20-SOIC	Mounting Type	Surface Mount
	Package / Case	20-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	20-SOIC
		Report errors?

HIP4081AIBZ 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.

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HIP4081AIBZ Shipping Methods













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