

HIP2103FRTAAZ-T

HIP2103FRTAAZ-T Information



For Reference Only

Part Number HIP2103FRTAAZ-T

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRVR HALF BRIDGE 60V 8-DFN

Package 8-WDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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HIP2103FRTAAZ-T Specifications

Manufacturer Part Number HIP2103FRTAAZ-T Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Package 8-WDFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 14 V Logic Voltage - VIL, VIH 1.63V, 2.06V Current - Peak Output (Source, Sink) 1A, 1A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 60V Rise / Fall Time (Typ) 8ns, 2ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-WDFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 14 V Logic Voltage - VIL, VIH 1.63V, 2.06V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Kise / Fall Time (Typ) Operating Temperature Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad SurDer Vil, (3x3)	Manufacturer Part Number	HIP2103FRTAAZ-T
Package 8-WDFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 14 V Logic Voltage - VIL, VIH 1.63V, 2.06V Current - Peak Output (Source, Sink) 1A, 1A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 60V Rise / Fall Time (Typ) 8ns, 2ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	Manufacturer	Renesas Electronics America
Package8-WDFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 14 VLogic Voltage - VIL, VIH1.63V, 2.06VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)60VRise / Fall Time (Typ)8ns, 2nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN (3x3)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 14 VLogic Voltage - VIL, VIH1.63V, 2.06VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)60VRise / Fall Time (Typ)8ns, 2nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN (3x3)		PMIC - Gate Drivers
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Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 14 V Logic Voltage - VIL, VIH 1.63V, 2.06V 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 8-WDFN Exposed Pad Supplier Device Package	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 14 VLogic Voltage - VIL, VIH1.63V, 2.06VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)60VRise / Fall Time (Typ)8ns, 2nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN (3x3)	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 1.63V, 2.06V 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 8-WDFN Exposed Pad Supplier Device Package	Number of Drivers	2
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 8-WDFN Exposed Pad 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 8-WDFN Exposed Pad Supplier Device Package	Voltage - Supply	4.5 V ~ 14 V
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 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	Logic Voltage - VIL, VIH	1.63V, 2.06V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 8ns, 2ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	Current - Peak Output (Source, Sink)	1A, 1A
Rise / Fall Time (Typ) 8ns, 2ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	Input Type	Non-Inverting
Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	High Side Voltage - Max (Bootstrap)	60V
Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	Rise / Fall Time (Typ)	8ns, 2ns
Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 8-TDFN (3x3)	Mounting Type	Surface Mount
	Package / Case	8-WDFN Exposed Pad
Report errors?	Supplier Device Package	8-TDFN (3x3)
		Report errors?

HIP2103FRTAAZ-T 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.

HIP2103FRTAAZ-T Payment Methods





















HIP2103FRTAAZ-T Shipping Methods













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