



HIP2122FRTAZ Information



For Reference Only

Part Number HIP2122FRTAZ

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC HALF BRIDGE FET DRIVER 10TDFN

Package 10-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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HIP2122FRTAZ Specifications

Manufacturer Part NumberHIP2122FRTAZManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)Package10-WDFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 14 VLogic Voltage - VIL, VIH3.7V, 7.93VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)10ns, 10nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WDFN Exposed PadSupplier Device Package10-TDFN (4x4)		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 10-WDFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 3.7V, 7.93V Current - Peak Output (Source, Sink) 1nput Type Inverting High Side Voltage - Max (Bootstrap) 114V Rise / Fall Time (Typ) Operating Temperature Operating Type Surface Mount Package / Case 10-WDFN Exposed Pad Supplier Device Package 10-TDFN (4x4)	Manufacturer Part Number	HIP2122FRTAZ
Package 10-WDFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 3.7V, 7.93V Current - Peak Output (Source, Sink) 2A, 2A Input Type Inverting High Side Voltage - Max (Bootstrap) 114V Rise / Fall Time (Typ) 10ns, 10ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 10-WDFN Exposed Pad Supplier Device Package 110-TDFN (4x4)	Manufacturer	Renesas Electronics America
Package10-WDFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 14 VLogic Voltage - VIL, VIH3.7V, 7.93VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)10ns, 10nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WDFN Exposed PadSupplier Device Package10-TDFN (4x4)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 14 VLogic Voltage - VIL, VIH3.7V, 7.93VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)10ns, 10nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WDFN Exposed PadSupplier Device Package10-TDFN (4x4)		PMIC - Gate Drivers
Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 10-WDFN Exposed Pad Supplier Device Package	Package	10-WDFN Exposed Pad
Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 3.7V, 7.93V Current - Peak Output (Source, Sink) 2A, 2A Input Type Inverting High Side Voltage - Max (Bootstrap) 114V Rise / Fall Time (Typ) 10ns, 10ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 10-WDFN Exposed Pad Supplier Device Package 10-TDFN (4x4)	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 3.7V, 7.93V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 10-WDFN Exposed Pad Supplier Device Package	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 14 VLogic Voltage - VIL, VIH3.7V, 7.93VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)10ns, 10nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WDFN Exposed PadSupplier Device Package10-TDFN (4x4)	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 3.7V, 7.93V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 10-WDFN Exposed Pad Supplier Device Package	Number of Drivers	2
Logic Voltage - VIL, VIH3.7V, 7.93VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)10ns, 10nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case10-WDFN Exposed PadSupplier Device Package10-TDFN (4x4)	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Operating Type Surface Mount Package / Case 10-WDFN Exposed Pad Supplier Device Package	Voltage - Supply	8 V ~ 14 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 10-WDFN Exposed Pad Supplier Device Package	Logic Voltage - VIL, VIH	3.7V, 7.93V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 10-WDFN Exposed Pad Supplier Device Package	Current - Peak Output (Source, Sink)	2A, 2A
Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 10-WDFN Exposed Pad Supplier Device Package 10-TDFN (4x4)	Input Type	Inverting
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 10-WDFN Exposed Pad Supplier Device Package 10-TDFN (4x4)	High Side Voltage - Max (Bootstrap)	114V
Mounting Type Surface Mount Package / Case 10-WDFN Exposed Pad Supplier Device Package 10-TDFN (4x4)	Rise / Fall Time (Typ)	10ns, 10ns
Package / Case 10-WDFN Exposed Pad Supplier Device Package 10-TDFN (4x4)	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package 10-TDFN (4x4)	Mounting Type	Surface Mount
	Package / Case	10-WDFN Exposed Pad
Report errors?	Supplier Device Package	10-TDFN (4x4)
		Report errors?

HIP2122FRTAZ 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.

HIP2122FRTAZ Payment Methods



















HIP2122FRTAZ Shipping Methods













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