



### **HIP2100IR Information**



For Reference Only

Part Number HIP2100IR Manufacturer Intersil

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRIVER HALF-BRIDGE 16-QFN

Package 16-VQFN 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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## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# **HIP2100IR Specifications**

Manufacturer Part Number  Manufacturer  Category  Intersil  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  16-VQFN Exposed Pad  Series  - Driven Configuration  Half-Bridge Independent  Number of Drivers  2 Gate Type  N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  Logic Voltage - WIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Package / Case  16-VQFN Exposed Pad  Surface Mount  Package / Case  16-QFN-EP (5x5)  Report errors?		
Category  Package  Package  16-VQFN Exposed Pad  Series  - Driven Configuration  Half-Bridge  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  Non-Inverting  High Side Voltage - Max (Bootstrap)  High Side Voltage - Max (Bootstrap)  Package / Case  Supplier Device Package  Integrated Circuits (ICs)  PMIC - Gate Drivers  16-VQFN Exposed Pad  16-VQFN Exposed Pad  16-VQFN-EP (5x5)	Manufacturer Part Number	HIP2100IR
Package 16-VQFN Exposed Pad  Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET  Voltage - Supply 9 V ~ 14 V  Logic Voltage - VIL, VIH 4V, TV  Current - Peak Output (Source, Sink) 2A, 2A  Input Type Non-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 16-VQFN Exposed Pad  Supplier Device Package 16-QFN-EP (5x5)	Manufacturer	Intersil
Package16-VQFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply9 V ~ 14 VLogic Voltage - VIL, VIH4V, 7VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)10ns, 10nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN-EP (5x5)	Category	Integrated Circuits (ICs)
Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 9 V ~ 14 V Logic Voltage - VIL, VIH 4V, TV Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-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 16-VQFN Exposed Pad Supplier Device Package		PMIC - Gate Drivers
Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 9 V ~ 14 V Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Package / Case 16-VQFN Exposed Pad Supplier Device Package  Independent  Half-Bridge Independent Independent  All-Bridge Independent  All-Bridge Independent  All-Bridge Independent  Independent  Av. 70  Av. 74  Av. 7V  Logic Voltage - VIL, VIH  Av. 7V  Independent  Av. 7D  Independent  Av. 7D  Independent  Indepe	Package	16-VQFN Exposed Pad
Channel Type  Number of Drivers  2  Gate Type  N-Channel MOSFET  Voltage - Supply  9 V ~ 14 V  Logic Voltage - VIL, VIH  4V, 7V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  16-VQFN Exposed Pad  Supplier Device Package	Series	-
Number of Drivers  Gate Type  N-Channel MOSFET  Voltage - Supply  9 V ~ 14 V  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  16-QFN-EP (5x5)	Driven Configuration	Half-Bridge
Gate Type  Voltage - Supply  Logic Voltage - VIL, VIH  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  Supplier Device Package  N-Channel MOSFET  N-Channel MOSFET  NoChannel MOSFET  14 V  Logic Voltage - May  10 NoInverting  114V  10ns, 10ns  Surface Mount  16-VQFN Exposed Pad  16-QFN-EP (5x5)	Channel Type	Independent
Voltage - Supply  Logic Voltage - VIL, VIH  4V, 7V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  114V  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  16-VQFN 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  Operating Type  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  16-QFN-EP (5x5)	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  Mounting Type  Surface Mount  Package / Case  16-VQFN Exposed Pad  Supplier Device Package	Voltage - Supply	9 V ~ 14 V
Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Operating Type  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  Non-Inverting  Non-Inverting  114V  Surface Mount  10ns, 10ns  Surface Mount  Surface Mount  16-VQFN Exposed Pad  16-QFN-EP (5x5)	Logic Voltage - VIL, VIH	4V, 7V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  16-VQFN Exposed Pad  Supplier Device Package  16-QFN-EP (5x5)	Current - Peak Output (Source, Sink)	2A, 2A
Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  16-VQFN Exposed Pad  Supplier Device Package  16-QFN-EP (5x5)	Input Type	Non-Inverting
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  16-VQFN Exposed Pad  Supplier Device Package  16-QFN-EP (5x5)	High Side Voltage - Max (Bootstrap)	114V
Mounting Type Surface Mount  Package / Case 16-VQFN Exposed Pad Supplier Device Package 16-QFN-EP (5x5)	Rise / Fall Time (Typ)	10ns, 10ns
Package / Case 16-VQFN Exposed Pad Supplier Device Package 16-QFN-EP (5x5)	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package 16-QFN-EP (5x5)	Mounting Type	Surface Mount
	Package / Case	16-VQFN Exposed Pad
Report errors?	Supplier Device Package	16-QFN-EP (5x5)
		Report errors?

### **HIP2100IR 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.

# **HIP2100IR Payment Methods**





















### **HIP2100IR Shipping Methods**













If you have any question about HIP2100IR, please do not hesitate to contact us!

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