



### **AUIRS2301S Information**



For Reference Only

Part Number AUIRS2301S

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRIVER HIGH/LOW SIDE 8SOIC

**Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

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.









# **AUIRS2301S Specifications**

Manufacturer Part NumberAUIRS2301SManufacturerInfineon TechnologiesCategoryIntegrated Circuits (ICs)Package8-SOIC (0.154", 3.90mm Width)SeriesAutomotive, AEC-Q100Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply5 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.5VCurrent - Peak Output (Source, Sink)200mA, 350mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)130ns, 50nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC		
Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-SOIC (0.154", 3.90mm Width)  Series  Automotive, AEC-Q100  Driven Configuration  Half-Bridge  Channel Type  Independent  Number of Drivers  2  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2.5V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Auor C ~ 150°C (TJ)  Mounting Type  Package / Case  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package / Case  B-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	AUIRS2301S
Package  Package  8-SOIC (0.154", 3.90mm Width)  Series  Automotive, AEC-Q100  Driven Configuration  Half-Bridge  Channel Type  Independent  Number of Drivers  2  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2.5V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Auch C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Manufacturer	Infineon Technologies
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Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 5 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.5V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
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Number of Drivers  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  5 V ~ 20 V  Logic Voltage - VIL, VIH  0.8V, 2.5V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Driven Configuration	Half-Bridge
Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  5 V ~ 20 V  Logic Voltage - VIL, VIH  0.8V, 2.5V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Channel Type	Independent
Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2.5V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Auo C ~ 150° C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Number of Drivers	2
Logic Voltage - VIL, VIH  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  One Note of the second	Gate Type	IGBT, 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  200mA, 350mA  600V  130ns, 50ns  -40°C ~ 150°C (TJ)  Surface Mount  8-SOIC (0.154", 3.90mm Width)	Voltage - Supply	5 V ~ 20 V
Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Logic Voltage - VIL, VIH	0.8V, 2.5V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  130ns, 50ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Current - Peak Output (Source, Sink)	200mA, 350mA
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Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$ Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)	High Side Voltage - Max (Bootstrap)	600V
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Rise / Fall Time (Typ)	130ns, 50ns
Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-40°C ~ 150°C (TJ)
	Mounting Type	Surface Mount
Supplier Device Package 8-SOIC	Package / Case	8-SOIC (0.154", 3.90mm Width)
**	Supplier Device Package	8-SOIC
Report errors?		Report errors?

#### **AUIRS2301S 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.

# **AUIRS2301S Payment Methods**



















### **AUIRS2301S Shipping Methods**













If you have any question about AUIRS2301S, please do not hesitate to contact us!

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