



AUIRS20302S Information



For Reference Only

Part Number AUIRS20302S

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC GATE DRIVE AUTOMOTIVE 28SOIC

Package 28-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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AUIRS20302S Specifications

Manufacturer Part Number AUIRS20302S Manufacturer Infineon Technologies Category Integrated Circuits (ICs) Package 28-SOIC (0.295", 7.50mm Width) Series Automotive, AEC-Q100 Driven Configuration Half-Bridge Channel Type 3-Phase Number of Drivers 6 Gate Type N-Channel MOSFET Voltage - Supply 24 V ~ 150 V Logic Voltage - VIL, VIH 0.7V, 2.5V Current - Peak Output (Source, Sink) 200mA, 350mA Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 200V Rise / Fall Time (Typ) 100ns, 35ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC		
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Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.7V, 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 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply24 V ~ 150 VLogic Voltage - VIL, VIH0.7V, 2.5VCurrent - Peak Output (Source, Sink)200mA, 350mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)200VRise / Fall Time (Typ)100ns, 35nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Channel Type	3-Phase
Voltage - Supply Logic Voltage - VIL, VIH 0.7V, 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 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Number of Drivers	6
Logic Voltage - VIL, VIH0.7V, 2.5VCurrent - Peak Output (Source, Sink)200mA, 350mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)200VRise / Fall Time (Typ)100ns, 35nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	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 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Voltage - Supply	24 V ~ 150 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 100ns, 35ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Logic Voltage - VIL, VIH	0.7V, 2.5V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 100ns, 35ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Current - Peak Output (Source, Sink)	200mA, 350mA
Rise / Fall Time (Typ) $100 \text{ns}, 35 \text{ns}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Input Type	Non-Inverting
Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	High Side Voltage - Max (Bootstrap)	200V
Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Rise / Fall Time (Typ)	100ns, 35ns
Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 28-SOIC	Mounting Type	Surface Mount
	Package / Case	28-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	28-SOIC
		Report errors?

AUIRS20302S 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.

AUIRS20302S Payment Methods



















AUIRS20302S Shipping Methods













If you have any question about AUIRS20302S, please do not hesitate to contact us!

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