



AUIRS21814STR Information



For Reference Only

Part Number AUIRS21814STR

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER HIGH/LOW SIDE 14SOIC **Package** 14-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

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.









AUIRS21814STR Specifications

Manufacturer Part NumberAUIRS21814STRManufacturerInfineon TechnologiesCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage14-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.5VCurrent - Peak Output (Source, Sink)1.9A, 2.3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)15ns, 15nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface Mount		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 14-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.5V Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Integrated Circuits (ICs) PMIC - Gate Drivers 14-SOIC (0.154", 3.90mm Width) 8 0 0 0 1 1 1 1 1 1 1 1 1 1	Manufacturer Part Number	AUIRS21814STR
Package 14-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.5V Current - Peak Output (Source, Sink) 1.9A, 2.3A Input Type Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 15ns, 15ns Operating Temperature -40°C ~ 150°C (TJ)	Manufacturer	Infineon Technologies
Package 14-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.5V Current - Peak Output (Source, Sink) 1.9A, 2.3A Input Type Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 15ns, 15ns Operating Temperature -40°C ~ 150°C (TJ)	Category	Integrated Circuits (ICs)
Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.5V Current - Peak Output (Source, Sink) 1.9A, 2.3A Input Type Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 15ns, 15ns Operating Temperature -40°C ~ 150°C (TJ)		PMIC - Gate Drivers
Driven Configuration 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 High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Half-Bridge Independent 10 V ~ 20 V 10 Sev, 2.5V 10 Sev	Package	14-SOIC (0.154", 3.90mm Width)
Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 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 Independent Independent Independent Independent IGBT, N-Channel MOSFET 0.8V, 2.5V 0.8V, 2.5V 1.9A, 2.3A Input Type Inverting 600V 1.5ns, 15ns Operating Temperature -40°C ~ 150°C (TJ)	Series	-
Number of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.5VCurrent - Peak Output (Source, Sink)1.9A, 2.3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)15ns, 15nsOperating Temperature-40°C ~ 150°C (TJ)	Driven Configuration	Half-Bridge
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Channel Type	Independent
Voltage - Supply $10 \text{ V} \sim 20 \text{ V}$ Logic Voltage - VIL, VIH $0.8 \text{V}, 2.5 \text{V}$ Current - Peak Output (Source, Sink) $1.9 \text{A}, 2.3 \text{A}$ Input Type Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) $15 \text{ns}, 15 \text{ns}$ Operating Temperature $-40 ^{\circ}\text{C} \sim 150 ^{\circ}\text{C} \text{ (TJ)}$	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 0.8V, 2.5V 1.9A, 2.3A Inverting 600V -40°C ~ 150°C (TJ)	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 1.9A, 2.3A Inverting 600V 1.5ns, 15ns -40°C ~ 150°C (TJ)	Voltage - Supply	10 V ~ 20 V
Input Type Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 15ns, 15ns Operating Temperature -40°C ~ 150°C (TJ)	Logic Voltage - VIL, VIH	0.8V, 2.5V
High Side Voltage - Max (Bootstrap) $600V$ Rise / Fall Time (Typ) $15ns, 15ns$ Operating Temperature $-40^{\circ}C \sim 150^{\circ}C$ (TJ)	Current - Peak Output (Source, Sink)	1.9A, 2.3A
Rise / Fall Time (Typ) 15ns, 15ns Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)	Input Type	Inverting
Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$	High Side Voltage - Max (Bootstrap)	600V
1 0 1	Rise / Fall Time (Typ)	15ns, 15ns
Mounting Type Surface Mount	Operating Temperature	-40°C ~ 150°C (TJ)
	Mounting Type	Surface Mount
Package / Case 14-SOIC (0.154", 3.90mm Width)	Package / Case	14-SOIC (0.154", 3.90mm Width)
Supplier Device Package 14-SOIC	Supplier Device Package	14-SOIC
Report errors?		Report errors?

AUIRS21814STR 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.

AUIRS21814STR Payment Methods



















AUIRS21814STR Shipping Methods













If you have any question about AUIRS21814STR, please do not hesitate to contact us!

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