

IR21014S Information



For Reference Only

Part Number IR21014S

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER HIGH/LOW SIDE 14-SOIC

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



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IR21014S Specifications

Manufacturer Part NumberIR21014SManufacturerInfineon TechnologiesCategoryIntegrated Circuits (ICs)Package14-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, 3VCurrent - Peak Output (Source, Sink)210mA, 360mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)100ns, 50nsOperating 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, 3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Idea Drivers 14-SOIC (0.154", 3.90mm Width) 1001 10	Manufacturer Part Number	IR21014S
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Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Half-Bridge Independent 10 V ~ 20 V 10 W ~ 20 V 210mA, 360mA 100mS, 50mS 100nS, 50nS - 40°C ~ 150°C (TJ)	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, 3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Independent IOBST, N-Channel MOSFET IOBST, N-Chan	Series	-
Number of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)210mA, 360mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)100ns, 50nsOperating 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 $0.8 \text{ V}, 3 \text{ V}$ Current - Peak Output (Source, Sink) $210 \text{mA}, 360 \text{mA}$ Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600 V Rise / Fall Time (Typ) $100 \text{ns}, 50 \text{ns}$ 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 Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 0.8V, 3V 210mA, 360mA Non-Inverting 600V - 400V 100ns, 50ns - 40°C ~ 150°C (TJ)	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 210mA, 360mA Non-Inverting 600V 100ns, 50ns -40°C ~ 150°C (TJ)	Voltage - Supply	10 V ~ 20 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap) $600V$ Rise / Fall Time (Typ) $100ns, 50ns$ Operating Temperature $-40^{\circ}C \sim 150^{\circ}C$ (TJ)	Logic Voltage - VIL, VIH	0.8V, 3V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 100ns, 50ns Operating Temperature -40°C ~ 150°C (TJ)	Current - Peak Output (Source, Sink)	210mA, 360mA
Rise / Fall Time (Typ) $100 \text{ns}, 50 \text{ns}$ Operating Temperature $-40 ^{\circ}\text{C} \sim 150 ^{\circ}\text{C} \text{ (TJ)}$	Input Type	Non-Inverting
Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$	High Side Voltage - Max (Bootstrap)	600V
	Rise / Fall Time (Typ)	100ns, 50ns
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?

IR21014S 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.

IR21014S Payment Methods



















IR21014S Shipping Methods













If you have any question about IR21014S, please do not hesitate to contact us!

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