



IR21814SPBF Information

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Part Number IR21814SPBF

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



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IR21814SPBF Specifications

Manufacturer Part Number Manufacturer Infineon Technologies 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 Logic Voltage - VIL, VIH 0.8V, 2.7V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Surface Mount 14-SOIC (0.154", 3.90mm Width) PM-Logic College Supply 10 V ~ 20 V 10 V		
CategoryIntegrated 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, 2.7VCurrent - Peak Output (Source, Sink)1.9A, 2.3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)40ns, 20nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface Mount	Manufacturer Part Number	IR21814SPBF
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Gate TypeIGBT, N-Channel MOSFETVoltage - Supply $10 \text{ V} \sim 20 \text{ V}$ Logic Voltage - VIL, VIH $0.8\text{V}, 2.7\text{V}$ Current - Peak Output (Source, Sink) $1.9\text{A}, 2.3\text{A}$ Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) $40\text{ns}, 20\text{ns}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)Mounting TypeSurface Mount	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.7V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 40ns, 20ns Operating Type Surface Mount	Number of Drivers	2
Logic Voltage - VIL, VIH O.8V, 2.7V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount	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 Mounting Type 1.9A, 2.3A Non-Inverting 600V 40ns, 20ns -40°C ~ 150°C (TJ) Surface Mount	Voltage - Supply	10 V ~ 20 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap) $600V$ Rise / Fall Time (Typ) $40ns$, $20ns$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)Mounting TypeSurface Mount	Logic Voltage - VIL, VIH	0.8V, 2.7V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 40ns, 20ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount	Current - Peak Output (Source, Sink)	1.9A, 2.3A
Rise / Fall Time (Typ) $40ns, 20ns$ Operating Temperature $-40^{\circ}C \sim 150^{\circ}C$ (TJ) Mounting Type Surface Mount	Input Type	Non-Inverting
Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$ Mounting Type Surface Mount	High Side Voltage - Max (Bootstrap)	600V
Mounting Type Surface Mount	Rise / Fall Time (Typ)	40ns, 20ns
	Operating Temperature	-40°C ~ 150°C (TJ)
D 1 / C	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?

IR21814SPBF 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.

IR21814SPBF Payment Methods



















IR21814SPBF Shipping Methods













If you have any question about IR21814SPBF, please do not hesitate to contact us!

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