



IR21834SPBF Information

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For Reference Only

Part Number IR21834SPBF

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER HALF BRIDGE 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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IR21834SPBF Specifications

Manufacturer Part NumberIR21834SPBFManufacturerInfineon 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, 2.7VCurrent - Peak Output (Source, Sink)1.9A, 2.3A	ID2183/SDRF
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 14-SOIC (0.154", 3.90mm Width) Series - Driven Configuration 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) Integrated Circuits (ICs) PMIC - Gate Drivers 14-SOIC (0.154", 3.90mm Width) Lagic North (Integrated Circuits (ICs) PMIC - Gate Drivers 14-SOIC (0.154", 3.90mm Width) Lagic North (Integrated Circuits (ICs) PMIC - Gate Drivers 14-SOIC (0.154", 3.90mm Width) Lagic North (Integrated Circuits (ICs) 14-SOIC (0.154", 3.90mm Width) 15-SOIC (0.154", 3.90mm	IK2105451 DI
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, 2.7V Current - Peak Output (Source, Sink) 1.9A, 2.3A	Infineon Technologies
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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, 2.7V Current - Peak Output (Source, Sink) Half-Bridge Independent 2 10 V ~ 20 V 10 V ~ 20 V 11 9A, 2.3A	14-SOIC (0.154", 3.90mm Width)
$\begin{array}{lll} \text{Channel Type} & & \text{Independent} \\ \text{Number of Drivers} & & 2 \\ \text{Gate Type} & & \text{IGBT, N-Channel MOSFET} \\ \text{Voltage - Supply} & & 10 \text{ V} \sim 20 \text{ V} \\ \text{Logic Voltage - VIL, VIH} & & 0.8\text{V, 2.7V} \\ \text{Current - Peak Output (Source, Sink)} & & 1.9\text{A, 2.3A} \\ \end{array}$	-
Number of Drivers2Gate 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) $1.9\text{A}, 2.3\text{A}$	Half-Bridge
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Independent
Voltage - 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) $1.9 \text{A}, 2.3 \text{A}$	2
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) 0.8V, 2.7V 1.9A, 2.3A	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink) 1.9A, 2.3A	10 V ~ 20 V
	0.8V, 2.7V
	1.9A, 2.3A
Input Type Inverting, Non-Inverting	Inverting, Non-Inverting
High Side Voltage - Max (Bootstrap) 600V	600V
Rise / Fall Time (Typ) 40ns, 20ns	40ns, 20ns
Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$	-40°C ~ 150°C (TJ)
Mounting Type Surface Mount	Surface Mount
Package / Case 14-SOIC (0.154", 3.90mm Width)	14-SOIC (0.154", 3.90mm Width)
Supplier Device Package 14-SOIC	14-SOIC
Report erro	Report errors?

IR21834SPBF 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.

IR21834SPBF Payment Methods



















IR21834SPBF Shipping Methods













If you have any question about IR21834SPBF, please do not hesitate to contact us!

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