



## **IR2131STRPBF Information**



For Reference Only

Part Number IR2131STRPBF

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRIVER BRIDGE 3-PHASE 28-SOIC

**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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## **IR2131STRPBF Specifications**

Manufacturer Part Number         IR2131STRPBF           Manufacturer         Infineon Technologies           Category         Integrated Circuits (ICs)           Package         28-SOIC (0.295", 7.50mm Width)           Series         -           Driven Configuration         Half-Bridge           Channel Type         Independent           Number of Drivers         6           Gate Type         IGBT, N-Channel MOSFET           Voltage - Supply         10 V ~ 20 V           Logic Voltage - VIL, VIH         0.8V, 2.2V           Current - Peak Output (Source, Sink)         250mA, 500mA           Input Type         Inverting           High Side Voltage - Max (Bootstrap)         600V           Rise / Fall Time (Typ)         80ns, 40ns           Operating Temperature         -40°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Package / Case         28-SOIC (0.295", 7.50mm Width)           Supplier Device Package         28-SOIC		
CategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage28-SOIC (0.295", 7.50mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers6Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.2VCurrent - Peak Output (Source, Sink)250mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)80ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Manufacturer Part Number	IR2131STRPBF
Package 28-SOIC (0.295", 7.50mm Width)  Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 6 Gate Type IGBT, N-Channel MOSFET  Voltage - Supply 10 V ~ 20 V  Logic Voltage - VIL, VIH 0.8V, 2.2V  Current - Peak Output (Source, Sink) 250mA, 500mA  Input Type Inverting High Side Voltage - Max (Bootstrap) 600V  Rise / Fall Time (Typ) 80ns, 40ns  Operating Temperature -40°C ~ 150°C (TJ)  Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Manufacturer	Infineon Technologies
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Driven Configuration  Channel Type  Independent  Number of Drivers  6  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2.2V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  28-SOIC  Valent  Independent  Independent  10 V ~ 20 V  10 V ~ 20 V  250mA, 500mA  10 Noverting  10 V ~ 20 V  10 Sev, 2.2V  250mA, 500mA  10 Noverting  10 V ~ 20 V  10 Sev, 2.2V  10 Sev, 2.	Package	28-SOIC (0.295", 7.50mm Width)
Channel Type Independent  Number of Drivers 6  Gate Type IGBT, N-Channel MOSFET  Voltage - Supply 10 V ~ 20 V  Logic Voltage - VIL, VIH 0.8V, 2.2V  Current - Peak Output (Source, Sink) 250mA, 500mA  Input Type Inverting  High Side Voltage - Max (Bootstrap) 600V  Rise / Fall Time (Typ) 80ns, 40ns  Operating Temperature -40°C ~ 150°C (TJ)  Mounting Type Surface Mount  Package / Case 28-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Series	-
Number of Drivers  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  10 V ~ 20 V  Logic Voltage - VIL, VIH  0.8V, 2.2V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Driven Configuration	Half-Bridge
Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  10 V ~ 20 V  Logic Voltage - VIL, VIH  0.8V, 2.2V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Channel Type	Independent
Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2.2V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°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, VIH  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package	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  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Voltage - Supply	10 V ~ 20 V
Input Type Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 80ns, 40ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Logic Voltage - VIL, VIH	0.8V, 2.2V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  80ns, 40ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Current - Peak Output (Source, Sink)	250mA, 500mA
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Operating Temperature  -40°C ~ 150°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)	600V
Mounting Type Surface Mount  Package / Case 28-SOIC (0.295", 7.50mm Width)  Supplier Device Package 28-SOIC	Rise / Fall Time (Typ)	80ns, 40ns
Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Operating Temperature	-40°C ~ 150°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?

#### **IR2131STRPBF** 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.

## **IR2131STRPBF Payment Methods**



















### **IR2131STRPBF Shipping Methods**













If you have any question about IR2131STRPBF, please do not hesitate to contact us!

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