



### **IR2135STR Information**



For Reference Only

Part Number IR2135STR

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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# **IR2135STR Specifications**

Manufacturer Part NumberIR2135STRManufacturerInfineon TechnologiesCategoryIntegrated Circuits (ICs)Package28-SOIC (0.295", 7.50mm Width)Series-Driven ConfigurationHalf-BridgeChannel Type3-PhaseNumber 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)90ns, 40nsOperating Temperature125°C (TJ)Mounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC		
Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  28-SOIC (0.295", 7.50mm Width)  Series  - Driven Configuration  Half-Bridge  Channel Type  3-Phase  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)  Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Integrated Circuits (ICs)  PMIC - Gate Drivers  0.89-SOIC (0.295", 7.50mm Width)	Manufacturer Part Number	IR2135STR
Package 28-SOIC (0.295", 7.50mm Width)  Series - Driven Configuration Half-Bridge Channel Type 3-Phase 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) 90ns, 40ns  Operating Temperature 125°C (TJ)  Mounting Type Surface Mount  Package / Case 28-SOIC (0.295", 7.50mm Width)	Manufacturer	Infineon Technologies
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Channel Type  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)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  125°C (TJ)  Mounting Type  Surface Mount  Package / Case  3-Phase  3-Phase  6  6  10 V ~ 20 V  0.8V, 2.2V  250mA, 500mA  Inverting  600V  Surface Mount  125°C (TJ)  Surface Mount  Package / Case  28-SOIC (0.295", 7.50mm Width)	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  125°C (TJ)  Mounting Type  Surface Mount  Package / Case  28-SOIC (0.295", 7.50mm Width)	Driven Configuration	Half-Bridge
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  Mounting Type  Surface Mount  Package / Case  IGBT, N-Channel MOSFET  10 V ~ 20 V  0.8V, 2.2V  250mA, 500mA  Inverting  600V  110 V ~ 20 V  110	Channel Type	3-Phase
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  125°C (TJ)  Mounting Type  Surface Mount  Package / Case  10 V ~ 20 V  0.8V, 2.2V  250mA, 500mA  10 V ~ 20 V  0.8V, 2.2V  250mA, 500mA  10 V ~ 20 V  10 Surface  10 S	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  Operating Type  Surface Mount  Package / Case  Oserating Voltage - VIL, VIH  O.8V, 2.2V  250mA, 500mA  Inverting  600V  90ns, 40ns  250r  260r  260r  270r  270	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  125°C (TJ)  Mounting Type  Surface Mount  Package / Case  28-SOIC (0.295", 7.50mm Width)	Voltage - Supply	10 V ~ 20 V
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High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  90ns, 40ns  Operating Temperature  125°C (TJ)  Mounting Type  Surface Mount  Package / Case  28-SOIC (0.295", 7.50mm Width)	Current - Peak Output (Source, Sink)	250mA, 500mA
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Operating Temperature 125°C (TJ)  Mounting Type Surface Mount  Package / Case 28-SOIC (0.295", 7.50mm Width)	High Side Voltage - Max (Bootstrap)	600V
Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width)	Rise / Fall Time (Typ)	90ns, 40ns
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•	Mounting Type	Surface Mount
Supplier Device Package 28-SOIC	Package / Case	28-SOIC (0.295", 7.50mm Width)
	Supplier Device Package	28-SOIC
Report errors?		Report errors?

### **IR2135STR 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.

## **IR2135STR Payment Methods**



















## **IR2135STR Shipping Methods**













If you have any question about IR2135STR, please do not hesitate to contact us!

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