

### **IR21531D Information**



For Reference Only

Part Number IR21531D

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRVR HALF BRDG SELF-OSC 8-DIP

**Package** 8-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# **IR21531D Specifications**

Manufacturer Part NumberIR21531DManufacturerInfineon TechnologiesCategoryIntegrated Circuits (ICs)Package8-DIP (0.300", 7.62mm)Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply10 V ~ 15.6 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-Input TypeRC Input CircuitHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)80ns, 45nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-DIP		
Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-DIP (0.300", 7.62mm)  Series  - Driven Configuration  Half-Bridge  Channel Type  Synchronous  Number of Drivers  2  Gate Type  N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  RC Input Circuit  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Sons, 45ns  Operating Temperature  40°C ~ 125°C (TJ)  Mounting Type  Rackage / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Manufacturer Part Number	IR21531D
PMIC - Gate Drivers  Package 8-DIP (0.300", 7.62mm)  Series - Driven Configuration Half-Bridge Channel Type Synchronous  Number of Drivers 2  Gate Type N-Channel MOSFET  Voltage - Supply 10 V ~ 15.6 V  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink) -  Input Type RC Input Circuit  High Side Voltage - Max (Bootstrap) 600V  Rise / Fall Time (Typ) 80ns, 45ns  Operating Temperature -40°C ~ 125°C (TJ)  Mounting Type Through Hole  Package / Case 8-DIP (0.300", 7.62mm)  Supplier Device Package	Manufacturer	Infineon Technologies
Package 8-DIP (0.300", 7.62mm)  Series -  Driven Configuration Half-Bridge  Channel Type Synchronous  Number of Drivers 2  Gate Type N-Channel MOSFET  Voltage - Supply 10 V ~ 15.6 V  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink) -  Input Type RC Input Circuit  High Side Voltage - Max (Bootstrap) 600V  Rise / Fall Time (Typ) 80ns, 45ns  Operating Temperature -40°C ~ 125°C (TJ)  Mounting Type Through Hole  Package / Case 8-DIP (0.300", 7.62mm)  Supplier Device Package	Category	Integrated Circuits (ICs)
Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 10 V ~ 15.6 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) - RC Input Circuit High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 80ns, 45ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package		PMIC - Gate Drivers
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Channel Type  Number of Drivers  2  Gate Type  N-Channel MOSFET  Voltage - Supply  10 V ~ 15.6 V  Logic Voltage - VIL, VIH  -  Current - Peak Output (Source, Sink)  Input Type  RC Input Circuit  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  80ns, 45ns  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Series	-
Number of Drivers  Gate Type  N-Channel MOSFET  Voltage - Supply  10 V ~ 15.6 V  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  RC Input Circuit  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Soperating Temperature  Package / Case  S-DIP (0.300", 7.62mm)  Supplier Device Package	Driven Configuration	Half-Bridge
Gate Type  Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  RC Input Circuit  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Package / Case  Supplier Device Package  N-Channel MOSFET  10 V ~ 15.6 V  10 V ~ 15.6 V  REC Input Circuit  600V  800V  80ns, 45ns  40°C ~ 125°C (TJ)  Through Hole  8-DIP (0.300", 7.62mm)  8-DIP	Channel Type	Synchronous
Voltage - Supply  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  RC Input Circuit  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Number of Drivers	2
Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  RC Input Circuit  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Soperating Temperature  Mounting Type  Through Hole  Package / Case  Supplier Device Package  Package	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink)  Input Type  RC Input Circuit  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Voltage - Supply	10 V ~ 15.6 V
Input Type RC Input Circuit  High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 80ns, 45ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package	Logic Voltage - VIL, VIH	-
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  80ns, 45ns  Operating Temperature  -40°C ~ 125°C (TJ)  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Current - Peak Output (Source, Sink)	-
Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package  8-DIP	Input Type	RC Input Circuit
Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package  8-DIP	High Side Voltage - Max (Bootstrap)	600V
Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-DIP	Rise / Fall Time (Typ)	80ns, 45ns
Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-DIP	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 8-DIP	Mounting Type	Through Hole
	Package / Case	8-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	8-DIP
		Report errors?

### **IR21531D 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.

## **IR21531D Payment Methods**



















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