

# **IRS21814MTRPBF**

#### **IRS21814MTRPBF Information**



For Reference Only

Part Number IRS21814MTRPBF
Manufacturer Infineon Technologies
Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRIVER HIGH/LOW SIDE 16MLPQ **Package** 16-VFQFN Exposed Pad, 14 Leads

For the pricing/inventory/lead time, please contact

us

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



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# **IRS21814MTRPBF Specifications**

Manufacturer Part Number  Manufacturer  Infineon Technologies  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  16-VFQFN Exposed Pad, 14 Leads  Series  - Driven Configuration  Half-Bridge  Channel Type  Independent  Number of Drivers  2  Gate Type  N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2.5V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Mounting Type  Surface Mount  Package / Case  16-VFQFN Exposed Pad, 14 Leads  Supplier Device Package  16-MLPQ (4x4)		
CategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage16-VFQFN Exposed Pad, 14 LeadsSeries-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.5VCurrent - 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 MountPackage / Case16-VFQFN Exposed Pad, 14 LeadsSupplier Device Package16-MLPQ (4x4)	Manufacturer Part Number	IRS21814MTRPBF
Package 16-VFQFN Exposed Pad, 14 Leads  Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET  Voltage - Supply 10 V ~ 20 V  Logic Voltage - VIL, VIH 0.8V, 2.5V  Current - Peak Output (Source, Sink) 1.9A, 2.3A  Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V  Rise / Fall Time (Typ) 40ns, 20ns  Operating Temperature -40°C ~ 150°C (TJ)  Mounting Type Surface Mount  Package / Case 16-WLPQ (4x4)	Manufacturer	Infineon Technologies
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Driven Configuration  Channel Type  Independent  Number of Drivers  2  Gate Type  N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2.5V  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  Package / Case  16-VFQFN Exposed Pad, 14 Leads  Supplier Device Package	Package	16-VFQFN Exposed Pad, 14 Leads
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Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2.5V  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  Package / Case  16-VFQFN Exposed Pad, 14 Leads  Supplier Device Package	Number of Drivers	2
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	Package / Case	16-VFQFN Exposed Pad, 14 Leads
Report errors?	Supplier Device Package	16-MLPQ (4x4)
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#### **IRS21814MTRPBF** 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.

### **IRS21814MTRPBF Payment Methods**



















# **IRS21814MTRPBF Shipping Methods**













If you have any question about IRS21814MTRPBF, please do not hesitate to contact us!

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