



## **IR2233JTR Information**



For Reference Only

Part Number IR2233JTR

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRIVER 3-PHASE BRIDGE 44-PLCC

Package 44-LCC (J-Lead), 32 Leads

For the pricing/inventory/lead time, please contact

us

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



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## **Certified Quality**

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# **IR2233JTR Specifications**

Manufacturer Part Number  Manufacturer  Infineon Technologies  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  44-LCC (J-Lead), 32 Leads  Series  - Driven Configuration  Half-Bridge  Channel Type  3-Phase  Number of Drivers  6 Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 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  Supplier Device Package  Preport errors?  Package / Report errors?  Package - Report errors?  Package / Report errors?  Package / Report errors?		
Category         Integrated Circuits (ICs)           PMIC - Gate Drivers           Package         44-LCC (J-Lead), 32 Leads           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, 2V           Current - Peak Output (Source, Sink)         250mA, 500mA           Input Type         Inverting           High Side Voltage - Max (Bootstrap)         1200V           Rise / Fall Time (Typ)         90ns, 40ns           Operating Temperature         125°C (TI)           Mounting Type         Surface Mount           Package / Case         44-LCC (J-Lead), 32 Leads           Supplier Device Package         44-LCC, 32 Leads (16.58x16.58)	Manufacturer Part Number	IR2233JTR
Package 44-LCC (J-Lead), 32 Leads  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, 2V  Current - Peak Output (Source, Sink) 250mA, 500mA  Input Type Inverting High Side Voltage - Max (Bootstrap) 1200V  Rise / Fall Time (Typ) 90ns, 40ns  Operating Temperature 125°C (TJ)  Mounting Type Surface Mount  Package / Case 44-LCC (J-Lead), 32 Leads  Supplier Device Package 44-PLCC, 32 Leads (16.58x16.58)	Manufacturer	Infineon Technologies
Package 44-LCC (J-Lead), 32 Leads  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, 2V Current - Peak Output (Source, Sink) 250mA, 500mA Input Type Inverting High Side Voltage - Max (Bootstrap) 1200V Rise / Fall Time (Typ) 90ns, 40ns Operating Temperature 125°C (TJ) Mounting Type Surface Mount Package / Case 44-LCC (J-Lead), 32 Leads Supplier Device Package 44-PLCC, 32 Leads (16.58x16.58)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel Type3-PhaseNumber of Drivers6Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)250mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)1200VRise / Fall Time (Typ)90ns, 40nsOperating Temperature125°C (TJ)Mounting TypeSurface MountPackage / Case44-LCC (J-Lead), 32 LeadsSupplier Device Package44-PLCC, 32 Leads (16.58x16.58)		PMIC - Gate Drivers
Driven Configuration 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, 2V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 90ns, 40ns Operating Temperature 125°C (TJ) Mounting Type Surface Mount Package / Case 44-LCC (J-Lead), 32 Leads Supplier Device Package 44-PLCC, 32 Leads (16.58x16.58)	Package	44-LCC (J-Lead), 32 Leads
Channel Type  Number of Drivers  6  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  10 V ~ 20 V  Logic Voltage - VIL, VIH  0.8V, 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  Supplier Device Package  3-Phase  3-Phase  40-PLCC, 32 Leads (16.58x16.58)	Series	-
Number of Drivers  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  10 V ~ 20 V  Logic Voltage - VIL, VIH  0.8V, 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  44-LCC (J-Lead), 32 Leads  Supplier Device Package  44-PLCC, 32 Leads (16.58x16.58)	Driven Configuration	Half-Bridge
Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  10 V ~ 20 V  Logic Voltage - VIL, VIH  0.8V, 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  44-LCC (J-Lead), 32 Leads  Supplier Device Package  44-PLCC, 32 Leads (16.58x16.58)	Channel Type	3-Phase
Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 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  44-LCC (J-Lead), 32 Leads  Supplier Device Package	Number of Drivers	6
Logic Voltage - VIL, VIH  O.8V, 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  Supplier Device Package  10.8V, 2V  0.8V, 2V  0.8	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  44-LCC (J-Lead), 32 Leads  Supplier Device Package  44-PLCC, 32 Leads (16.58x16.58)	Voltage - Supply	10 V ~ 20 V
Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  125°C (TJ)  Mounting Type  Surface Mount  Package / Case  44-LCC (J-Lead), 32 Leads  Supplier Device Package  44-PLCC, 32 Leads (16.58x16.58)	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  90ns, 40ns  Operating Temperature  125°C (TJ)  Mounting Type  Surface Mount  Package / Case  44-LCC (J-Lead), 32 Leads  Supplier Device Package  44-PLCC, 32 Leads (16.58x16.58)	Current - Peak Output (Source, Sink)	250mA, 500mA
Rise / Fall Time (Typ)  90ns, 40ns  Operating Temperature  125°C (TJ)  Mounting Type  Surface Mount  Package / Case  44-LCC (J-Lead), 32 Leads  Supplier Device Package  44-PLCC, 32 Leads (16.58x16.58)	Input Type	Inverting
Operating Temperature 125°C (TJ)  Mounting Type Surface Mount  Package / Case 44-LCC (J-Lead), 32 Leads  Supplier Device Package 44-PLCC, 32 Leads (16.58x16.58)	High Side Voltage - Max (Bootstrap)	1200V
Mounting Type Surface Mount Package / Case 44-LCC (J-Lead), 32 Leads Supplier Device Package 44-PLCC, 32 Leads (16.58x16.58)	Rise / Fall Time (Typ)	90ns, 40ns
Package / Case 44-LCC (J-Lead), 32 Leads Supplier Device Package 44-PLCC, 32 Leads (16.58x16.58)	Operating Temperature	125°C (TJ)
Supplier Device Package 44-PLCC, 32 Leads (16.58x16.58)	Mounting Type	Surface Mount
	Package / Case	44-LCC (J-Lead), 32 Leads
Report errors?	Supplier Device Package	44-PLCC, 32 Leads (16.58x16.58)
Report circles.		Report errors?

### **IR2233JTR 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.

## **IR2233JTR Payment Methods**





















## **IR2233JTR Shipping Methods**













If you have any question about IR2233JTR, please do not hesitate to contact us!

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