

IR2113 Information



For Reference Only

Part Number IR2113

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC MOSFET DRVR HI/LO SIDE 14-DIP

Package 14-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

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IR2113 Specifications

Manufacturer Part NumberIR2113ManufacturerInfineon TechnologiesCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage14-DIP (0.300", 7.62mm)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply3.3 V ~ 20 VLogic Voltage - VIL, VIH6V, 9.5VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)25ns, 17nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case14-DIP (0.300", 7.62mm)		
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Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 3.3 V ~ 20 V Logic Voltage - VIL, VIH 6V, 9.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Half-Bridge Independent Half-Bridge Independent Authory 2 2 Current 600 V 25ns, 17ns Operating Temperature -40°C ~ 150°C (TJ) Through Hole	Package	14-DIP (0.300", 7.62mm)
Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 3.3 V ~ 20 V Logic Voltage - VIL, VIH 6V, 9.5V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 25ns, 17ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole	Series	-
Number of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply3.3 V ~ 20 VLogic Voltage - VIL, VIH6V, 9.5VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)25ns, 17nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough Hole	Driven Configuration	Half-Bridge
Gate TypeIGBT, N-Channel MOSFETVoltage - Supply $3.3 \text{ V} \sim 20 \text{ V}$ Logic Voltage - VIL, VIH $6\text{V}, 9.5\text{V}$ Current - Peak Output (Source, Sink) $2\text{A}, 2\text{A}$ Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) $25\text{ns}, 17\text{ns}$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)Mounting TypeThrough Hole	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 6V, 9.5V 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 3.3 V ~ 20 V 6V, 9.5V 2A, 2A Non-Inverting 600V Through Hole	Number of Drivers	2
Logic Voltage - VIL, VIH6V, 9.5VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)25ns, 17nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough Hole	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Ao°C ~ 150°C (TJ) Mounting Type Through Hole	Voltage - Supply	3.3 V ~ 20 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap) $600V$ Rise / Fall Time (Typ) $25ns, 17ns$ Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)Mounting TypeThrough Hole	Logic Voltage - VIL, VIH	6V, 9.5V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole	Current - Peak Output (Source, Sink)	2A, 2A
Rise / Fall Time (Typ) $25 \text{ns}, 17 \text{ns}$ Operating Temperature $-40 ^{\circ}\text{C} \sim 150 ^{\circ}\text{C}$ (TJ) Mounting Type Through Hole	Input Type	Non-Inverting
Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$ Mounting Type Through Hole	High Side Voltage - Max (Bootstrap)	600V
Mounting Type Through Hole	Rise / Fall Time (Typ)	25ns, 17ns
	Operating Temperature	-40°C ~ 150°C (TJ)
Package / Case 14-DIP (0.300", 7.62mm)	Mounting Type	Through Hole
	Package / Case	14-DIP (0.300", 7.62mm)
Supplier Device Package 14-DIP	Supplier Device Package	14-DIP
Report errors?		Report errors?

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Quality Guarantees

We provide 90 days warranty. *

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We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

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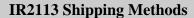
























If you have any question about IR2113, please do not hesitate to contact us!

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