



ISL6613BIB Information



For Reference Only

Part Number ISL6613BIB
Manufacturer Intersil

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC MOSFET DRVR SYNC BUCK 8-SOIC

Package 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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ISL6613BIB Specifications

Manufacturer Part NumberISL6613BIBManufacturerIntersilCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply7 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)1.25A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)26ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 7 V ~ 13.2 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Integrated Circuits (ICs) PMIC - Gate Drivers 8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	ISL6613BIB
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Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 7 V ~ 13.2 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) 1.25A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 36V Rise / Fall Time (Typ) 26ns, 18ns	Category	Integrated Circuits (ICs)
Series Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 7 V ~ 13.2 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) - 26ns, 18ns		PMIC - Gate Drivers
Driven Configuration 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 Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Half-Bridge Synchronous 1 Auftromy 1 Auftromy Non-Channel MOSFET Auftromy Non-Inverting Solv 2 Sons, 18ns	Package	8-SOIC (0.154", 3.90mm Width)
Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 7 V ~ 13.2 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Synchronous 1.25A, 2A Non-Inverting 36V Rise / Fall Time (Typ)	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply T V ~ 13.2 V Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 2 N-Channel MOSFET NO-Lancel MOSFET Solution A Solution Solution	Driven Configuration	Half-Bridge
Gate Type N-Channel MOSFET Voltage - Supply 7 V ~ 13.2 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) N-Channel MOSFET 7 V ~ 13.2 V Non-Inverting 1.25A, 2A Non-Inverting 36V Rise / Fall Time (Typ)	Channel Type	Synchronous
Voltage - Supply Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 7 V ~ 13.2 V - Non-Inverting 36V 26ns, 18ns	Number of Drivers	2
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ)	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 1.25A, 2A Non-Inverting 36V 26ns, 18ns	Voltage - Supply	7 V ~ 13.2 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 36V Rise / Fall Time (Typ) 26ns, 18ns	Logic Voltage - VIL, VIH	-
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 26ns, 18ns	Current - Peak Output (Source, Sink)	1.25A, 2A
Rise / Fall Time (Typ) 26ns, 18ns	Input Type	Non-Inverting
	High Side Voltage - Max (Bootstrap)	36V
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TJ)}$	Rise / Fall Time (Typ)	26ns, 18ns
	Operating Temperature	-40°C ~ 125°C (TJ)
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 8-SOIC (0.154", 3.90mm Width)	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package 8-SOIC	Supplier Device Package	8-SOIC
Report errors?		Report errors?

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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.

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ISL6613BIB Shipping Methods













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