



ISL6614AIB Information



For Reference Only

Part Number ISL6614AIB
Manufacturer Intersil

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER MOSF DUAL SYNC 14SOIC

Package 14-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









ISL6614AIB Specifications

Manufacturer Part Number Manufacturer Intersil Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 14-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 4 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) Operating Temperature Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC Report errors?		
CategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage14-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers4Gate TypeN-Channel MOSFETVoltage - Supply10.8 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)Mounting TypeSurface MountPackage / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Manufacturer Part Number	ISL6614AIB
Package 14-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 10.8 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 Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Manufacturer	Intersil
Package 14-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 10.8 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 Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers4Gate TypeN-Channel MOSFETVoltage - Supply10.8 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)Mounting TypeSurface MountPackage / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC		PMIC - Gate Drivers
Driven Configuration Channel Type Synchronous Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 10.8 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) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Package	14-SOIC (0.154", 3.90mm Width)
Channel Type Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 10.8 V ~ 13.2 V Logic Voltage - VIL, VIH	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 10.8 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) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Driven Configuration	Half-Bridge
Gate Type N-Channel MOSFET Voltage - Supply 10.8 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) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	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) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Number of Drivers	4
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 26ns, 18ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Voltage - Supply	10.8 V ~ 13.2 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 26ns, 18ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Logic Voltage - VIL, VIH	-
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 26ns, 18ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Current - Peak Output (Source, Sink)	1.25A, 2A
Rise / Fall Time (Typ)26ns, 18nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Input Type	Non-Inverting
Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC	High Side Voltage - Max (Bootstrap)	36V
Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC	Rise / Fall Time (Typ)	26ns, 18ns
Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 14-SOIC	Mounting Type	Surface Mount
	Package / Case	14-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	14-SOIC
· ·		Report errors?

ISL6614AIB 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.

ISL6614AIB Payment Methods





















ISL6614AIB Shipping Methods













If you have any question about ISL6614AIB, please do not hesitate to contact us!

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