



ISL6209CBZ Information



For Reference Only

Part Number ISL6209CBZ 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

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



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ISL6209CBZ Specifications

| Manufacturer Part NumberISL6209CBZManufacturerIntersilCategoryIntegrated Circuits (ICs)Package8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH1.8V, 3.1VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature-10°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) | | |
|---|--------------------------------------|-------------------------------|
| 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 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 1.8V, 3.1V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Surface Mount Mounting Type Surface Mount | Manufacturer Part Number | ISL6209CBZ |
| 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 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 1.8V, 3.1V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 33V Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature -10°C ~ 125°C (TJ) Mounting Type Surface Mount | Manufacturer | Intersil |
| 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 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 1.8V, 3.1V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 33V Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature -10°C ~ 125°C (TJ) Mounting Type Surface Mount | Category | Integrated Circuits (ICs) |
| Series Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 1.8V, 3.1V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature -10°C ~ 125°C (TJ) Mounting Type Surface Mount | | PMIC - Gate Drivers |
| Driven Configuration Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 1.8V, 3.1V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature -10°C ~ 125°C (TJ) Mounting Type Surface Mount | Package | 8-SOIC (0.154", 3.90mm Width) |
| Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 1.8V, 3.1V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature -10°C ~ 125°C (TJ) Mounting Type Surface Mount | Series | - |
| Number of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Logic Voltage - VIL, VIH 1.8V , 3.1V Current - Peak Output (Source, Sink) 2A , 2A Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap) 33V Rise / Fall Time (Typ) 8ns , 8ns Operating Temperature $-10^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ)Mounting TypeSurface Mount | Driven Configuration | Half-Bridge |
| Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH1.8V, 3.1VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature-10°C ~ 125°C (TJ)Mounting TypeSurface Mount | Channel Type | Synchronous |
| Voltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH1.8V, 3.1VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature-10°C ~ 125°C (TJ)Mounting TypeSurface Mount | Number of Drivers | 2 |
| Logic Voltage - VIL, VIH1.8V, 3.1VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature-10°C ~ 125°C (TJ)Mounting TypeSurface Mount | Gate Type | N-Channel MOSFET |
| Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Surface Mount Surface Mount | Voltage - Supply | 4.5 V ~ 5.5 V |
| Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 33V Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature -10°C ~ 125°C (TJ) Mounting Type Surface Mount | Logic Voltage - VIL, VIH | 1.8V, 3.1V |
| High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature -10°C ~ 125°C (TJ) Mounting Type Surface Mount | Current - Peak Output (Source, Sink) | 2A, 2A |
| Rise / Fall Time (Typ)8ns, 8nsOperating Temperature $-10^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ)Mounting TypeSurface Mount | Input Type | Non-Inverting |
| Operating Temperature $-10^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TJ)}$ Mounting Type Surface Mount | High Side Voltage - Max (Bootstrap) | 33V |
| Mounting Type Surface Mount | Rise / Fall Time (Typ) | 8ns, 8ns |
| | Operating Temperature | -10°C ~ 125°C (TJ) |
| Package / Case 8-SOIC (0.154", 3.90mm Width) | Mounting Type | Surface Mount |
| | Package / Case | 8-SOIC (0.154", 3.90mm Width) |
| Supplier Device Package 8-SOIC | Supplier Device Package | 8-SOIC |
| Report errors? | | Report errors? |

ISL6209CBZ 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.

ISL6209CBZ Payment Methods



















ISL6209CBZ Shipping Methods













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