



ISL6613BECB-T Information



For Reference Only

Part Number ISL6613BECB-T

Manufacturer Intersil

Category Integrated Circuits (ICs)

PMIC - Gate Drivers

DescriptionIC MOSFET DRVR SYNC BUCK 8EPSOIC**Package**8-SOIC (0.154", 3.90mm Width) Exposed Pad

For the pricing/inventory/lead time, please contact

us

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ISL6613BECB-T Specifications

| Manufacturer Part NumberISL6613BECB-TManufacturerIntersilCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width) Exposed PadSeries-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 Temperature0°C ~ 125°C (TJ)Mounting TypeSurface Mount | | |
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| Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) Exposed Pad 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) Operating Temperature Integrated Circuits (ICs) PMIC - Gate Drivers 8-SOIC (0.154", 3.90mm Width) Exposed Pad 9-SOIC (| Manufacturer Part Number | ISL6613BECB-T |
| Package 8-SOIC (0.154", 3.90mm Width) Exposed Pad 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 Operating Temperature 0°C ~ 125°C (TJ) | Manufacturer | Intersil |
| Package 8-SOIC (0.154", 3.90mm Width) Exposed Pad 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 Operating Temperature 0°C ~ 125°C (TJ) | Category | Integrated Circuits (ICs) |
| 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 Temperature0°C ~ 125°C (TJ) | | PMIC - Gate Drivers |
| Driven Configuration Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply Type Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Half-Bridge Synchronous 1 Alf-Bridge Alf- | Package | 8-SOIC (0.154", 3.90mm Width) Exposed Pad |
| 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 Operating Temperature 0°C ~ 125°C (TJ) | Series | - |
| Number of Drivers 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) Operating Temperature 2 N-Channel MOSFET 7 V ~ 13.2 V - Solve - Solve 1.25A, 2A Solve S | Driven Configuration | Half-Bridge |
| 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) Operating Temperature N-Channel MOSFET 7 V ~ 13.2 V | 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 7 V ~ 13.2 V - Solve 1.25A, 2A Non-Inverting 36V 26ns, 18ns Operating Temperature 0°C ~ 125°C (TJ) | 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) Operating Temperature | 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 1.25A, 2A Non-Inverting 36V 26ns, 18ns Operating Temperature 0°C ~ 125°C (TJ) | Voltage - Supply | 7 V ~ 13.2 V |
| Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 26ns, 18ns Operating Temperature 0°C ~ 125°C (TJ) | Logic Voltage - VIL, VIH | - |
| High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 26ns, 18ns Operating Temperature 0°C ~ 125°C (TJ) | Current - Peak Output (Source, Sink) | 1.25A, 2A |
| Rise / Fall Time (Typ) 26ns, 18ns Operating Temperature 0°C ~ 125°C (TJ) | Input Type | Non-Inverting |
| Operating Temperature $0^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TJ)}$ | High Side Voltage - Max (Bootstrap) | 36V |
| | Rise / Fall Time (Typ) | 26ns, 18ns |
| Mounting Type Surface Mount | Operating Temperature | 0°C ~ 125°C (TJ) |
| Woulding Type Surface Would | Mounting Type | Surface Mount |
| Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad | Package / Case | 8-SOIC (0.154", 3.90mm Width) Exposed Pad |
| Supplier Device Package 8-SOIC-EP | Supplier Device Package | 8-SOIC-EP |
| Report errors? | | Report errors? |

ISL6613BECB-T Guarantees



Quality Guarantees

We provide 90 days warranty. *

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Service Guarantees

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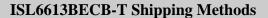
























If you have any question about ISL6613BECB-T, please do not hesitate to contact us!

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