



## **ISL6605CBZ Information**



For Reference Only

Part Number ISL6605CBZ

Manufacturer Intersil

Category Integrated Circuits (ICs)

PMIC - Gate Drivers

**Description** IC DRIVER MOSFET DUAL SYNC 8SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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## **ISL6605CBZ Specifications**

Manufacturer Part NumberISL6605CBZManufacturerIntersilCategoryIntegrated 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, VIH1V, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface Mount		
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  1V, 2V  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)  -  Non-Inverting  Synchronous  1  1  1  1  1  1  1  1  1  1  1  1  1	Manufacturer Part Number	ISL6605CBZ
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 1V, 2V  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 0°C ~ 125°C (TJ)	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 1V, 2V  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 0°C ~ 125°C (TJ)	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 IV, 2V 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 0°C ~ 125°C (TJ)		PMIC - Gate Drivers
Driven Configuration  Channel Type  Synchronous  Number of Drivers  2  Gate Type  N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  1V, 2V  Current - Peak Output (Source, Sink)  Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Half-Bridge  Synchronous  1  Half-Bridge  Synchronous  1  N-Channel MOSFET  4.5 V ~ 5.5 V  Logic Voltage - VIL, VIH  1V, 2V  2A, 2A  Non-Inverting  33V  Rise / Fall Time (Typ)  8ns, 8ns  O°C ~ 125°C (TJ)	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 1V, 2V  Current - Peak Output (Source, Sink) 2A, 2A  Input Type Non-Inverting High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ) 8ns, 8ns  Operating Temperature  Synchronous  N-Channel MOSFET  4.5 V ~ 5.5 V  1V, 2V  2V  2V  2A, 2A  Non-Inverting  8ns, 8ns  Operating Temperature	Series	-
Number of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH1V, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)	Driven Configuration	Half-Bridge
Gate Type  N-Channel MOSFET  Voltage - Supply  4.5 V ~ 5.5 V  Logic Voltage - VIL, VIH  1V, 2V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  8ns, 8ns  Operating Temperature  O°C ~ 125°C (TJ)	Channel Type	Synchronous
Voltage - Supply  Logic Voltage - VIL, VIH  1V, 2V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  8ns, 8ns  Operating Temperature  4.5 V ~ 5.5 V  1V, 2V  2A, 2A  Non-Inverting  83V  8ns, 8ns  O°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)  8ns, 8ns  Operating Temperature  1V, 2V  2A, 2A  Non-Inverting  33V  8ns, 8ns  0°C ~ 125°C (TJ)	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  8ns, 8ns  Operating Temperature  0°C ~ 125°C (TJ)	Voltage - Supply	4.5 V ~ 5.5 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature 0°C ~ 125°C (TJ)	Logic Voltage - VIL, VIH	1V, 2V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  8ns, 8ns  Operating Temperature  0°C ~ 125°C (TJ)	Current - Peak Output (Source, Sink)	2A, 2A
Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature 0°C $\sim$ 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)	33V
1 0 1	Rise / Fall Time (Typ)	8ns, 8ns
Mounting Type Surface Mount	Operating Temperature	0°C ~ 125°C (TJ)
	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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Our experienced sales team and tech support team back our services to satisfy all our customers.

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### **ISL6605CBZ Shipping Methods**













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