



# **ISL6609CBZ Information**



For Reference Only

Part Number ISL6609CBZ

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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# **ISL6609CBZ Specifications**

Manufacturer Part Number  Manufacturer  Intersil  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  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-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  1V, 2V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  O°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	ISL6609CBZ
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) -, 4A  Input Type Non-Inverting  High Side Voltage - Max (Bootstrap) 36V  Rise / Fall Time (Typ) 8ns, 8ns  Operating Temperature 0°C ~ 125°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)	Manufacturer	Intersil
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Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH1V, 2VCurrent - Peak Output (Source, Sink)-, 4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)		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 1V, 2V  Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ) Operating Temperature  0°C ~ 125°C (TJ)  Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	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) -, 4A  Input Type Non-Inverting  High Side Voltage - Max (Bootstrap) 36V  Rise / Fall Time (Typ) 8ns, 8ns  Operating Temperature 0°C ~ 125°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)	Series	-
Number of Drivers  Gate Type  N-Channel MOSFET  Voltage - Supply  4.5 V ~ 5.5 V  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	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)  Operating Temperature  0°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  N-Channel MOSFET  A.5 V ~ 5.5 V  1V, 2V  1V, 2V  Source, Sink)  -, 4A  Non-Inverting  80V  81SS, 8nS  O°C ~ 125°C (TJ)  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	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)  8ns, 8ns  Operating Temperature  O°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	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)  Surface Mount  Package / Case  1V, 2V  -, 4A  Non-Inverting  86V  8ns, 8ns  0°C ~ 125°C (TJ)  Surface Mount  8-SOIC (0.154", 3.90mm Width)	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)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Voltage - Supply	4.5 V ~ 5.5 V
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Rise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Input Type	Non-Inverting
Operating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	High Side Voltage - Max (Bootstrap)	36V
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Rise / Fall Time (Typ)	8ns, 8ns
Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	0°C ~ 125°C (TJ)
	Mounting Type	Surface Mount
Supplier Device Package 8-SOIC	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplied Device I dekage 0-501C	Supplier Device Package	8-SOIC
Report errors?		Report errors?

#### **ISL6609CBZ 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.

### **ISL6609CBZ Payment Methods**



















## **ISL6609CBZ Shipping Methods**













If you have any question about ISL6609CBZ, please do not hesitate to contact us!

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