

# **ISL6612IBZ Information**



For Reference Only

Part Number ISL6612IBZ

Manufacturer Renesas Electronics America

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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# **ISL6612IBZ Specifications**

Manufacturer Part NumberISL6612IBZManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate 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 / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC		
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 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) Rise / Fall Time (Typ) Operating Temperature  Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Manufacturer Part Number	ISL6612IBZ
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Driven Configuration  Channel Type  Synchronous  Number of Drivers  2  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  Ao°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Package	8-SOIC (0.154", 3.90mm Width)
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Number of Drivers  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  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Driven Configuration	Half-Bridge
Gate Type  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  8-SOIC  N-Channel MOSFET  1.0.8 V ~ 13.2 V  1.0.8 V ~ 13.2 V  - Current - Peak Output (Source, Sink)  1.25A, 2A  Non-Inverting  36V  26ns, 18ns  -40°C ~ 125°C (TJ)  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	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  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	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  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Gate Type	N-Channel MOSFET
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Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	High Side Voltage - Max (Bootstrap)	36V
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Rise / Fall Time (Typ)	26ns, 18ns
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 8-SOIC	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

### **ISL6612IBZ 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.

### **ISL6612IBZ Payment Methods**



















### **ISL6612IBZ Shipping Methods**













If you have any question about ISL6612IBZ, please do not hesitate to contact us!

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