



### **ISL6612EIB-T Information**



For Reference Only

Part Number ISL6612EIB-T

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

DescriptionIC MOSFET DRVR SYNC BUCK 8EPSOICPackage8-SOIC (0.154", 3.90mm Width) Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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# **ISL6612EIB-T Specifications**

Manufacturer Part Number         ISL6612EIB-T           Manufacturer         Renesas Electronics America           Category         Integrated Circuits (ICs)           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         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)         36V           Rise / Fall Time (Typ)         26ns, 18ns           Operating Temperature         -40°C ~ 125°C (TJ)           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width) Exposed Pad           Supplier Device Package         8-SOIC-EP		
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   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)   36V     Rise / Fall Time (Typ)   26ns, 18ns     Operating Temperature   -40°C ~ 125°C (TJ)     Mounting Type   Surface Mount     Package / Case   8-SOIC (0.154", 3.90mm Width) Exposed Pad     Supplier Device Package   8-SOIC-EP     Surface Mount   Surface Mount     Surface Mount   Surface Package     Surface Package   Surface Package     Surface Packag	Manufacturer Part Number	ISL6612EIB-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 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) 36V  Rise / Fall Time (Typ) 26ns, 18ns  Operating Temperature -40°C ~ 125°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad  Supplier Device Package	Manufacturer	Renesas Electronics America
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Channel Type  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)  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) Exposed Pad  Supplier Device Package	Series	-
Number 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) Exposed PadSupplier Device Package8-SOIC-EP	Driven Configuration	Half-Bridge
Gate Type  N-Channel MOSFET  Voltage - Supply  10.8 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  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width) Exposed Pad  Supplier Device Package	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  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width) Exposed Pad  Supplier Device Package	Number of Drivers	2
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Supplier Device Package 8-SOIC-EP	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width) Exposed Pad
Report errors?	Supplier Device Package	8-SOIC-EP
		Report errors?

### **ISL6612EIB-T 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.

# **ISL6612EIB-T Payment Methods**



















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