



### **ISL2110ABZ Information**



For Reference Only

Part Number ISL2110ABZ

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC MSFT DVR HALF-BRG 100V 8-SOIC

**Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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# **ISL2110ABZ Specifications**

Manufacturer Part NumberISL2110ABZManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 14 VLogic Voltage - VIL, VIH3.7V, 7.4VCurrent - Peak Output (Source, Sink)3A, 4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)9ns, 7.5nsOperating 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 Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 3.7V, 7.4V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) High Side Voltage - Max (Bootstrap) Pisse / Fall Time (Typ) Operating Temperature Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Manufacturer Part Number	ISL2110ABZ
Package 8-SOIC (0.154", 3.90mm Width)  Series - Driven Configuration Half-Bridge Channel Type Independent  Number of Drivers 2 Gate Type N-Channel MOSFET  Voltage - Supply 8 V ~ 14 V  Logic Voltage - VIL, VIH 3.7V, 7.4V  Current - Peak Output (Source, Sink) 3A, 4A  Input Type Non-Inverting  High Side Voltage - Max (Bootstrap) 114V  Rise / Fall Time (Typ) 9ns, 7.5ns  Operating Temperature -40°C ~ 125°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Manufacturer	Renesas Electronics America
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Driven Configuration  Channel Type  Independent  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  -40°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  8 V ~ 14 V  Logic Voltage - VIL, VIH  3.7V, 7.4V  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 TypeN-Channel MOSFETVoltage - Supply8 V ~ 14 VLogic Voltage - VIL, VIH3.7V, 7.4VCurrent - Peak Output (Source, Sink)3A, 4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)9ns, 7.5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Channel Type	Independent
Voltage - Supply  Logic Voltage - VIL, VIH  3.7V, 7.4V  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, VIH3.7V, 7.4VCurrent - Peak Output (Source, Sink)3A, 4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)9ns, 7.5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Gate Type	N-Channel MOSFET
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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	Logic Voltage - VIL, VIH	3.7V, 7.4V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  9ns, 7.5ns  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Current - Peak Output (Source, Sink)	3A, 4A
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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)	114V
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Rise / Fall Time (Typ)	9ns, 7.5ns
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?

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