



ISL5861IB Information



For Reference Only

Part Number ISL5861IB

Manufacturer Renesas Electronics America
Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description IC DAC 12BIT 130MSPS 28-SOIC **Package** 28-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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



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ISL5861IB Specifications

Manufacturer Part NumberISL5861IBManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package28-SOIC (0.295", 7.50mm Width)Series-Number of Bits12Number of D/A Converters1Settling Time-Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog2.7 V ~ 3.6 VVoltage - Supply, Digital2.7 V ~ 3.6 VINL/DNL (LSB)±0.5, ±0.5ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOICMounting TypeSurface Mount		
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Differential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog $2.7 \text{ V} \sim 3.6 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 3.6 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 28-SOIC (0.295° , 7.50mm Width)Supplier Device Package 28-SOIC	Settling Time	-
Data InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog $2.7 \text{ V} \sim 3.6 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 3.6 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 28-SOIC (0.295° , 7.50mm Width)Supplier Device Package 28-SOIC	Output Type	Current - Unbuffered
Reference TypeExternal, InternalVoltage - Supply, Analog $2.7 \text{ V} \sim 3.6 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 3.6 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 28-SOIC (0.295° , 7.50mm Width)Supplier Device Package 28-SOIC	Differential Output	Yes
Voltage - Supply, Analog 2.7 V \sim 3.6 V Voltage - Supply, Digital 2.7 V \sim 3.6 V INL/DNL (LSB) \pm 0.5, \pm 0.5 Architecture Current Source Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Data Interface	Parallel
Voltage - Supply, Digital 2.7 V ~ 3.6 V INL/DNL (LSB) $\pm 0.5, \pm 0.5$ Architecture Current Source Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Reference Type	External, Internal
$ \begin{array}{lll} INL/DNL \ (LSB) & \pm 0.5, \pm 0.5 \\ Architecture & Current Source \\ Operating Temperature & -40^{\circ}C \sim 85^{\circ}C \\ Package / Case & 28-SOIC \ (0.295'', 7.50mm \ Width) \\ Supplier Device Package & 28-SOIC \\ \end{array} $	Voltage - Supply, Analog	2.7 V ~ 3.6 V
Architecture Current Source Operating Temperature -40°C ~ 85°C Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Voltage - Supply, Digital	2.7 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	INL/DNL (LSB)	$\pm 0.5, \pm 0.5$
Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Architecture	Current Source
Supplier Device Package 28-SOIC	Operating Temperature	-40°C ~ 85°C
	Package / Case	28-SOIC (0.295", 7.50mm Width)
Mounting Type Surface Mount	Supplier Device Package	28-SOIC
0 71	Mounting Type	Surface Mount
Report errors?		Report errors?

ISL5861IB 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.

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ISL5861IB Shipping Methods













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