

ISL5861IB

ISL5861IB Information

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	Category	Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC)	- 119931 - 1233-3
	Description	IC DAC 12BIT 130MSPS 28-SOIC	
	Package	28-SOIC (0.295", 7.50mm Width)	
or Reference Only		For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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ISL5861IB Specifications

ManufacturerRenesas 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 Type2.7 V ~ 3.6 VVoltage - Supply, Digital2.7 V ~ 3.6 VNu/DNL (LSB)±0.5, ±0.5ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°C		
CategoryIntegrated 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 Type2.7 V ~ 3.6 VVoltage - Supply, Digital2.7 V ~ 3.6 VVoltage - Supply, Digital40.5 ± 0.5ArchitectureCurrent SourceOperating Temperature440°C ~ 85°C	Manufacturer Part Number	ISL5861IB
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, Analog $2.7 \vee ~ 3.6 \vee$ Voltage - Supply, Digital $2.7 \vee ~ 3.6 \vee$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature -40° C ~ 85°C	Manufacturer	Renesas Electronics America
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°C	Category	Integrated Circuits (ICs)
Series - Number of Bits 12 Number of D/A Converters 1 Settling Time - Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog 2.7 V ~ 3.6 V Nut/DNL (LSB) ±0.5, ±0.5 Architecture Current Source Operating Temperature 40°C ~ 85°C		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits12Number of D/A Converters1Settling Time-Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog2.7 V ~ 3.6 VVoltage - Supply, Digital±0.5, ±0.5ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°C	Package	28-SOIC (0.295", 7.50mm Width)
Number 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°C	Series	-
Settling 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-	Number of Bits	12
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°C	Number of D/A Converters	1
I - MYesDifferential 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°C	Settling Time	-
Data InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog $2.7 V \sim 3.6 V$ Voltage - Supply, Digital $2.7 V \sim 3.6 V$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}C \sim 85^{\circ}C$	Output Type	Current - Unbuffered
Reference TypeExternal, InternalVoltage - Supply, Analog $2.7 V \sim 3.6 V$ Voltage - Supply, Digital $2.7 V \sim 3.6 V$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}C \sim 85^{\circ}C$	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) $\pm 0.5, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}C \sim 85^{\circ}C$	Data Interface	Parallel
Voltage - Supply, Digital2.7 V ~ 3.6 VINL/DNL (LSB)±0.5, ±0.5ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°C	Reference Type	External, Internal
INL/DNL (LSB)±0.5, ±0.5ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°C	Voltage - Supply, Analog	2.7 V ~ 3.6 V
ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°C	Voltage - Supply, Digital	2.7 V ~ 3.6 V
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	INL/DNL (LSB)	$\pm 0.5, \pm 0.5$
	Architecture	Current Source
Package / Case 28-SOIC (0.295", 7.50mm Width)	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	Supplier Device Package	28-SOIC
Mounting Type Surface Mount	Mounting Type	Surface Mount
Report errors?		Report errors?

ISL5861IB Guarantees



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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 GUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.



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