

ISL5757IB Information



For Reference Only

Part Number ISL5757IB

ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description IC DAC 10BIT 260MHZ 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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









ISL5757IB Specifications

Manufacturer Part Number ISL5757IB Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 28-SOIC (0.295", 7.50mm Width) Series - Number of Bits 10 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 Voltage - Supply, Digital 2.7 V ~ 3.6 V INL/DNL (LSB) ±0.1, ±0.1 Architecture Current Source Operating Temperature -40°C ~ 85°C Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC Mounting Type Surface Mount		
Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 28-SOIC (0.295", 7.50mm Width) Series - Number of Bits 10 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 Voltage - Supply, Digital 2.7 V ~ 3.6 V INL/DNL (LSB) ±0.1, ±0.1 Architecture Current Source Operating Temperature -40°C ~ 85°C Package / Case 28-SOIC (0.295", 7.50mm Width) Mounting Type Surface Mount	Manufacturer Part Number	ISL5757IB
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Manufacturer	Renesas Electronics America
Package 28-SOIC (0.295", 7.50mm Width) Series - Number of Bits 10 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 Voltage - Supply, Digital 2.7 V ~ 3.6 V INL/DNL (LSB) ±0.1, ±0.1 Architecture Current Source Operating Temperature -40°C ~ 85°C Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC Mounting Type Surface Mount	Category	Integrated Circuits (ICs)
Series-Number of Bits10Number 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)±0.1, ±0.1ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)Mounting TypeSurface Mount		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits Number of D/A Converters 1 Settling Time - Output Type	Package	28-SOIC (0.295", 7.50mm Width)
Number of D/A Converters1Settling Time-Output TypeCurrent - UnbufferedDifferential 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) $\pm 0.1, \pm 0.1$ 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 Mounting TypeSurface Mount	Series	-
Settling Time Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog Voltage - Supply, Digital INL/DNL (LSB) Architecture Operating Temperature Package / Case 28-SOIC (0.295", 7.50mm Width) Surplier Device Package Mounting Type Current - Unbuffered Current - Unbuffered External, Internal 2.7 V ~ 3.6 V Voltage - Supply, Digital 2.7 V ~ 3.6 V External, Internal 2.7 V ~ 3.6 V External, Internal	Number of Bits	10
Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog 2.7 V ~ 3.6 V Voltage - Supply, Digital 2.7 V ~ 3.6 V INL/DNL (LSB) ±0.1, ±0.1 Architecture Current Source Operating Temperature -40°C ~ 85°C Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package Mount	Number of D/A Converters	1
Differential Output Parallel Reference Type External, Internal Voltage - Supply, Analog Voltage - Supply, Digital INL/DNL (LSB) Architecture Operating Temperature Package / Case Supplier Device Package Mounting Type Yes External, Internal 2.7 V ~ 3.6 V 2.7 V ~ 3.6 V 2.7 V ~ 3.6 V External, Internal 2.7 V ~ 3.6 V 2.7 V ~ 3.6 V Current Source 40°C ~ 85°C 28-SOIC Surface Mount	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) $\pm 0.1, \pm 0.1$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $28\text{-SOIC} (0.295^{\circ}, 7.50 \text{mm Width})$ Supplier Device Package 28-SOIC Mounting TypeSurface Mount	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) $\pm 0.1, \pm 0.1$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $28\text{-SOIC} (0.295", 7.50 \text{mm Width})$ Supplier Device Package 28-SOIC Mounting TypeSurface Mount	Differential Output	Yes
Voltage - 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) $\pm 0.1, \pm 0.1$ 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 Mounting TypeSurface Mount	Data Interface	Parallel
Voltage - Supply, Digital $2.7 \text{ V} \sim 3.6 \text{ V}$ INL/DNL (LSB) $\pm 0.1, \pm 0.1$ 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 Mounting TypeSurface Mount	Reference Type	External, Internal
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	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 Mounting Type Surface Mount	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 Mounting Type Surface Mount	INL/DNL (LSB)	$\pm 0.1, \pm 0.1$
Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC Mounting Type Surface Mount	Architecture	Current Source
Supplier Device Package 28-SOIC Mounting Type Surface Mount	Operating Temperature	-40°C ∼ 85°C
Mounting Type Surface Mount	Package / Case	28-SOIC (0.295", 7.50mm Width)
	Supplier Device Package	28-SOIC
D	Mounting Type	Surface Mount
Report errors?		Report errors?

ISL5757IB 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.

ISL5757IB Payment Methods



















ISL5757IB Shipping Methods













If you have any question about ISL5757IB, please do not hesitate to contact us!

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