



HI5860IA-T Information



For Reference Only

Part Number HI5860IA-T

ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description CONV D/A 12BIT 130MSPS 28-TSSOP **Package** 28-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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



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HI5860IA-T Specifications

Manufacturer Part Number H15860IA-T Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 28-TSSOP (0.173", 4.40mm Width) Series - Number of Bits 12 Number of D/A Converters 1 Settling Time 35ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) ±0.5, ±0.5 Architecture Current Source Operating Temperature -40°C ~ 85°C Package / Case 28-TSSOP (0.173", 4.40mm Width) Supplier Device Package 28-TSSOP Mounting Type Surface Mount		
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Number of D/A Converters1Settling Time $35ns$ (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog $2.7 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 28-TSSOP (0.173° , 4.40mm Width)Supplier Device Package 28-TSSOP Mounting TypeSurface Mount	Series	-
Settling Time 35ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) ±0.5, ±0.5 Architecture Current Source Operating Temperature -40°C ~ 85°C Package / Case 28-TSSOP (0.173", 4.40mm Width) Supplier Device Package Mounting Type Surface Mount	Number of Bits	12
Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) ±0.5, ±0.5 Architecture Current Source Operating Temperature -40°C ~ 85°C Package / Case 28-TSSOP (0.173", 4.40mm 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 ~ 5.5 V 2.7 V ~ 5.5 V 2.7 V ~ 5.5 V External, Internal 2.7 V ~ 5.5 V 2.7 V ~ 5.5 V 4.0 C ~ 85°C 2.7 V ~ 5.5 V 4.0 C ~ 85°C 2.7 V ~ 5.5 V 4.40mm Width) Supplier Device Package Surface Mount	Settling Time	35ns (Typ)
Data InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog $2.7 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 28-TSSOP (0.173° , 4.40mm Width)Supplier Device Package 28-TSSOP Mounting TypeSurface Mount	Output Type	Current - Unbuffered
Reference TypeExternal, InternalVoltage - Supply, Analog $2.7 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 28-TSSOP (0.173° , 4.40mm Width)Supplier Device Package 28-TSSOP Mounting TypeSurface Mount	Differential Output	Yes
Voltage - Supply, Analog $2.7 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 28-TSSOP (0.173° , 4.40mm Width)Supplier Device Package 28-TSSOP Mounting TypeSurface Mount	Data Interface	Parallel
Voltage - Supply, Digital $2.7 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 28-TSSOP (0.173", 4.40mm Width)Supplier Device Package 28-TSSOP Mounting TypeSurface Mount	Reference Type	External, Internal
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Voltage - Supply, Analog	2.7 V ~ 5.5 V
Architecture Current Source Operating Temperature -40°C ~ 85°C Package / Case 28-TSSOP (0.173", 4.40mm Width) Supplier Device Package 28-TSSOP Mounting Type Surface Mount	Voltage - Supply, Digital	2.7 V ~ 5.5 V
Operating Temperature-40°C ~ 85°CPackage / Case28-TSSOP (0.173", 4.40mm Width)Supplier Device Package28-TSSOPMounting TypeSurface Mount	INL/DNL (LSB)	$\pm 0.5, \pm 0.5$
Package / Case 28-TSSOP (0.173", 4.40mm Width) Supplier Device Package 28-TSSOP Mounting Type Surface Mount	Architecture	Current Source
Supplier Device Package 28-TSSOP Mounting Type Surface Mount	Operating Temperature	-40°C ~ 85°C
Mounting Type Surface Mount	Package / Case	28-TSSOP (0.173", 4.40mm Width)
	Supplier Device Package	28-TSSOP
Papart arrays?	Mounting Type	Surface Mount
Keport errors?		Report errors?

HI5860IA-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.

HI5860IA-T Payment Methods



















HI5860IA-T Shipping Methods













If you have any question about HI5860IA-T, please do not hesitate to contact us!

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