

Heisener.com

For Reference Only

IDTDAC1205D650HW-C1

IDTDAC1205D650HW-C1 Information

Part Number IDTDAC1205D650HW-C1

Manufacturer IDT, Integrated Device Technology Inc

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description IC DAC 14BIT DL 650MSPS 100TQFP

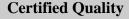
Package 100-TQFP Exposed Pad

For the pricing/inventory/lead time, please contact

us

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





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.









IDTDAC1205D650HW-C1 Specifications

Manufacturer Part NumberIDTDAC1205D650HW-C1ManufacturerIDT, Integrated Device Technology IncCategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package100-TQFP Exposed PadSeries-Number of Bits12Number of D/A Converters2Settling Time20ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeInternalVoltage - Supply, Analog1.7 V ~ 1.9 V, 3 V ~ 3.6 VVoltage - Supply, Digital1.7 V ~ 1.9 V, 3 V ~ 3.6 VINL/DNL (LSB)-ArchitectureBinary-Weighted DAC, String DACOperating Temperature-40°C ~ 85°CPackage / Case100-TQFP Exposed PadSupplier Device Package100-HTQFP (14x14)		
Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 100-TQFP Exposed Pad Series - Number of Bits 12 Number of D/A Converters 2 Settling Time 20ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type Internal Voltage - Supply, Analog 1.7 V ~ 1.9 V, 3 V ~ 3.6 V Voltage - Supply, Digital 1.7 V ~ 1.9 V, 3 V ~ 3.6 V INL/DNL (LSB) Architecture Binary-Weighted DAC, String DAC Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	Manufacturer Part Number	IDTDAC1205D650HW-C1
Data Acquisition - Digital to Analog Converters (DAC) Package 100-TQFP Exposed Pad Series - Number of Bits 12 Number of D/A Converters 2 Settling Time 20ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type Internal Voltage - Supply, Analog 1.7 V ~ 1.9 V, 3 V ~ 3.6 V Voltage - Supply, Digital 1.7 V ~ 1.9 V, 3 V ~ 3.6 V INL/DNL (LSB) - Architecture Binary-Weighted DAC, String DAC Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	Manufacturer	IDT, Integrated Device Technology Inc
Package 100-TQFP Exposed Pad Series - Number of Bits 12 Number of D/A Converters 2 Settling Time 20ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type Internal Voltage - Supply, Analog 1.7 V ~ 1.9 V, 3 V ~ 3.6 V Voltage - Supply, Digital 1.7 V ~ 1.9 V, 3 V ~ 3.6 V INL/DNL (LSB) - Architecture Binary-Weighted DAC, String DAC Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	Category	Integrated Circuits (ICs)
Series - Number of Bits 12 Number of D/A Converters 2 Settling Time 20ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type Internal Voltage - Supply, Analog 1.7 V ~ 1.9 V, 3 V ~ 3.6 V Voltage - Supply, Digital 1.7 V ~ 1.9 V, 3 V ~ 3.6 V INL/DNL (LSB) - Architecture Binary-Weighted DAC, String DAC Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits Number of D/A Converters 2 Settling Time 20ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Reference Type Internal Voltage - Supply, Analog 1.7 V ~ 1.9 V, 3 V ~ 3.6 V Voltage - Supply, Digital 1.7 V ~ 1.9 V, 3 V ~ 3.6 V INL/DNL (LSB) Architecture Binary-Weighted DAC, String DAC Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	Package	100-TQFP Exposed Pad
Number of D/A Converters2Settling Time20ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeInternalVoltage - Supply, Analog1.7 V ~ 1.9 V, 3 V ~ 3.6 VVoltage - Supply, Digital1.7 V ~ 1.9 V, 3 V ~ 3.6 VINL/DNL (LSB)-ArchitectureBinary-Weighted DAC, String DACOperating Temperature-40°C ~ 85°CPackage / Case100-TQFP Exposed PadSupplier Device Package100-HTQFP (14x14)	Series	-
Settling Time 20ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type Internal Voltage - Supply, Analog 1.7 V ~ 1.9 V, 3 V ~ 3.6 V Voltage - Supply, Digital 1.7 V ~ 1.9 V, 3 V ~ 3.6 V INL/DNL (LSB) - Architecture Binary-Weighted DAC, String DAC Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	Number of Bits	12
Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type Internal Voltage - Supply, Analog 1.7 V ~ 1.9 V, 3 V ~ 3.6 V Voltage - Supply, Digital 1.7 V ~ 1.9 V, 3 V ~ 3.6 V INL/DNL (LSB) - Architecture Binary-Weighted DAC, String DAC Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	Number of D/A Converters	2
Differential Output Parallel Reference Type Internal Voltage - Supply, Analog Voltage - Supply, Digital Internal Internal Internal Internal Internal Internal Voltage - Supply, Digital Internal Internal	Settling Time	20ns (Typ)
Data Interface Parallel Reference Type Internal Voltage - Supply, Analog 1.7 V ~ 1.9 V, 3 V ~ 3.6 V Voltage - Supply, Digital 1.7 V ~ 1.9 V, 3 V ~ 3.6 V INL/DNL (LSB) - Architecture Binary-Weighted DAC, String DAC Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	Output Type	Current - Unbuffered
Reference Type Internal Voltage - Supply, Analog 1.7 V ~ 1.9 V, 3 V ~ 3.6 V Voltage - Supply, Digital 1.7 V ~ 1.9 V, 3 V ~ 3.6 V INL/DNL (LSB) Architecture Binary-Weighted DAC, String DAC Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	Differential Output	Yes
Voltage - Supply, Analog 1.7 V ~ 1.9 V, 3 V ~ 3.6 V Voltage - Supply, Digital 1.7 V ~ 1.9 V, 3 V ~ 3.6 V INL/DNL (LSB) Architecture Binary-Weighted DAC, String DAC Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	Data Interface	Parallel
Voltage - Supply, Digital 1.7 V ~ 1.9 V, 3 V ~ 3.6 V INL/DNL (LSB) Architecture Binary-Weighted DAC, String DAC Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	Reference Type	Internal
INL/DNL (LSB) Architecture Binary-Weighted DAC, String DAC Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	Voltage - Supply, Analog	1.7 V ~ 1.9 V, 3 V ~ 3.6 V
Architecture Binary-Weighted DAC, String DAC Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $100\text{-TQFP Exposed Pad}$ Supplier Device Package $100\text{-HTQFP }(14x14)$	Voltage - Supply, Digital	1.7 V ~ 1.9 V, 3 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	INL/DNL (LSB)	-
Package / Case 100-TQFP Exposed Pad Supplier Device Package 100-HTQFP (14x14)	Architecture	Binary-Weighted DAC, String DAC
Supplier Device Package 100-HTQFP (14x14)	Operating Temperature	-40°C ~ 85°C
	Package / Case	100-TQFP Exposed Pad
	Supplier Device Package	100-HTQFP (14x14)
Mounting Type -	Mounting Type	-
Report errors		Report errors?

IDTDAC1205D650HW-C1 Guarantees



Ouality 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.

IDTDAC1205D650HW-C1 Payment Methods



















IDTDAC1205D650HW-C1 Shipping Methods













If you have any question about IDTDAC1205D650HW-C1, please do not hesitate to contact us!

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