



DAC5674IPHP Information



For Reference Only

Part Number DAC5674IPHP
Manufacturer Texas Instruments
Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description IC DAC 14BIT 400MSPS 48-HTQFP

Package 48-TQFP Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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DAC5674IPHP Specifications

Manufacturer Part Number DAC5674IPHP Manufacturer Texas Instruments Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 48-TQFP Exposed Pad Series CommsDAC? Number of Bits 14 Number of D/A Converters 1 Settling Time 20ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog 3 V ~ 3.6 V Voltage - Supply, Digital 1.65 V ~ 1.95 V INL/DNL (LSB) ±3.5 (Max), ±2 (Max) Architecture Current Source Operating Temperature -55°C ~ 125°C Package / Case 48-TQFP Exposed Pad Supplier Device Package 48-HTQFP (7x7) Mounting Type -		
Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 48-TQFP Exposed Pad Series CommsDAC? Number of Bits 14 Number of D/A Converters 1 Settling Time 20ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog 3 V ~ 3.6 V Voltage - Supply, Digital Incompared Supply, Digital Incompared Supply, Arabical Supply Architecture Operating Temperature -55°C ~ 125°C Package / Case 48-TQFP Exposed Pad Supplier Device Package	Manufacturer Part Number	DAC5674IPHP
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Series CommsDAC? Number of Bits 14 Number of D/A Converters 1 Settling Time 20ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog 3 V ~ 3.6 V Voltage - Supply, Digital 1.65 V ~ 1.95 V INL/DNL (LSB) ±3.5 (Max), ±2 (Max) Architecture Current Source Operating Temperature -55°C ~ 125°C Package / Case 48-TQFP Exposed Pad Supplier Device Package 48-HTQFP (7x7)		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits Number of D/A Converters 1 Settling Time 20ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Reference Type External, Internal Voltage - Supply, Analog 3 V ~ 3.6 V Voltage - Supply, Digital 1.65 V ~ 1.95 V INL/DNL (LSB) ±3.5 (Max), ±2 (Max) Architecture Current Source Operating Temperature -55°C ~ 125°C Package / Case 48-TQFP Exposed Pad Supplier Device Package	Package	48-TQFP Exposed Pad
Number of D/A Converters Settling Time 20ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog 3 V ~ 3.6 V Voltage - Supply, Digital Interface 1.65 V ~ 1.95 V INL/DNL (LSB) 43.5 (Max), ±2 (Max) Architecture Operating Temperature Operating Temperature -55°C ~ 125°C Package / Case 48-TQFP Exposed Pad Supplier Device Package 48-HTQFP (7x7)	Series	CommsDAC?
Settling Time 20ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog 3 V ~ 3.6 V Voltage - Supply, Digital 1.65 V ~ 1.95 V INL/DNL (LSB) ±3.5 (Max), ±2 (Max) Architecture Current Source Operating Temperature -55°C ~ 125°C Package / Case 48-TQFP Exposed Pad Supplier Device Package 48-HTQFP (7x7)	Number of Bits	14
Output Type Differential Output Yes Data Interface Reference Type External, Internal Voltage - Supply, Analog Voltage - Supply, Digital INL/DNL (LSB) Architecture Operating Temperature Package / Case Supplier Device Package Current - Unbuffered Yes Lurent - Unbuffered Yes External, Internal 1.65 V ~ 3.6 V Voltage - Supply, Digital 1.65 V ~ 1.95 V Los V ~ 1.95 V External, Internal Los V ~ 3.6 V Voltage - Supply, Digital 1.65 V ~ 1.95 V External, Internal Los V ~ 3.6 V Voltage - Supply, Digital 1.65 V ~ 1.95 V External, Internal 2.5 V ~ 1.95 V 48-T.95 V 48-T.95 V 48-T.95 V 48-T.95 C 48-T.95 C 48-T.95 C 48-T.95 C 48-T.95 C 48-T.95 C	Number of D/A Converters	1
Differential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog $3 \text{ V} \sim 3.6 \text{ V}$ Voltage - Supply, Digital $1.65 \text{ V} \sim 1.95 \text{ V}$ INL/DNL (LSB) $\pm 3.5 \text{ (Max)}, \pm 2 \text{ (Max)}$ ArchitectureCurrent SourceOperating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 48-TQFP Exposed PadSupplier Device Package 48-HTQFP (7x7)	Settling Time	20ns (Typ)
Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog 3 V ~ 3.6 V Voltage - Supply, Digital 1.65 V ~ 1.95 V INL/DNL (LSB) ±3.5 (Max), ±2 (Max) Architecture Current Source Operating Temperature -55°C ~ 125°C Package / Case 48-TQFP Exposed Pad Supplier Device Package 48-HTQFP (7x7)	Output Type	Current - Unbuffered
Reference Type External, Internal Voltage - Supply, Analog $3 \text{ V} \sim 3.6 \text{ V}$ Voltage - Supply, Digital $1.65 \text{ V} \sim 1.95 \text{ V}$ INL/DNL (LSB) $\pm 3.5 \text{ (Max)}, \pm 2 \text{ (Max)}$ Architecture Current Source Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 48-TQFP Exposed Pad Supplier Device Package 48-HTQFP (7x7)	Differential Output	Yes
Voltage - Supply, Analog $3 \text{ V} \sim 3.6 \text{ V}$ Voltage - Supply, Digital $1.65 \text{ V} \sim 1.95 \text{ V}$ INL/DNL (LSB) $\pm 3.5 \text{ (Max)}, \pm 2 \text{ (Max)}$ Architecture Current Source Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 48-TQFP Exposed Pad Supplier Device Package 48-HTQFP (7x7)	Data Interface	Parallel
Voltage - Supply, Digital 1.65 V ~ 1.95 V INL/DNL (LSB) $\pm 3.5 \text{ (Max)}, \pm 2 \text{ (Max)}$ Architecture Current Source Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 48-TQFP Exposed Pad Supplier Device Package 48-HTQFP (7x7)	Reference Type	External, Internal
$ \begin{array}{lll} & & & \pm 3.5 \ (\text{Max}), \pm 2 \ (\text{Max}) \\ & & \text{Architecture} & & \text{Current Source} \\ & & \text{Operating Temperature} & & -55^{\circ}\text{C} \sim 125^{\circ}\text{C} \\ & & \text{Package / Case} & & 48\text{-TQFP Exposed Pad} \\ & \text{Supplier Device Package} & & 48\text{-HTQFP } (7x7) \\ \end{array} $	Voltage - Supply, Analog	3 V ~ 3.6 V
Architecture Current Source Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 48-TQFP Exposed Pad Supplier Device Package 48-HTQFP (7x7)	Voltage - Supply, Digital	1.65 V ~ 1.95 V
Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 48-TQFP Exposed Pad Supplier Device Package 48-HTQFP (7x7)	INL/DNL (LSB)	$\pm 3.5 \text{ (Max)}, \pm 2 \text{ (Max)}$
Package / Case 48-TQFP Exposed Pad Supplier Device Package 48-HTQFP (7x7)	Architecture	Current Source
Supplier Device Package 48-HTQFP (7x7)	Operating Temperature	-55°C ~ 125°C
	Package / Case	48-TQFP Exposed Pad
Mounting Type -	Supplier Device Package	48-HTQFP (7x7)
	Mounting Type	-
Report errors?		Report errors?

DAC5674IPHP 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.

DAC5674IPHP Payment Methods





















DAC5674IPHP Shipping Methods













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