



DAC7750IRHAR Information



For Reference Only

Part Number DAC7750IRHAR

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

DescriptionIC DAC 12BIT 40VQFN**Package**40-VFQFN 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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DAC7750IRHAR Specifications

Manufacturer Part Number DAC7750IRHAR Manufacturer Texas Instruments Category Integrated Circuits (ICs) Package 40-VFQFN Exposed Pad Series - Number of Bits 12 Number of D/A Converters 1 Settling Time 25µs (Typ) Output Type Current - Buffered Differential Output No Data Interface SPI, DSP Reference Type External, Internal Voltage - Supply, Analog 10 ∨ ~ 36 ∨ Voltage - Supply, Digital 2.7 ∨ ~ 5.5 ∨ INL/DNL (LSB) -, ±1 (Max) Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 40-VFQFN Exposed Pad Supplier Device Package 40-VQFN (6x6) Mounting Type -		
Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 40-VFQFN Exposed Pad Series - Number of Bits 12 Number of D/A Converters 1 Settling Time 25μs (Typ) Output Type Current - Buffered Differential Output No Data Interface SPI, DSP Reference Type External, Internal Voltage - Supply, Analog 10 V ~ 36 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) -, ±1 (Max) Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 40-VFQFN Exposed Pad Supplier Device Package 40-VQFN (6x6) Mounting Type -	Manufacturer Part Number	DAC7750IRHAR
Package40-VFQFN Exposed PadSeries-Number of Bits12Number of D/A Converters1Settling Time25μs (Typ)Output TypeCurrent - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternal, InternalVoltage - Supply, Analog10 V ~ 36 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)-, ±1 (Max)ArchitectureString DACOperating Temperature-40°C ~ 125°CPackage / Case40-VFQFN Exposed PadMounting Type-	Manufacturer	Texas Instruments
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Series - Number of Bits 12 Number of D/A Converters 1 Settling Time 25μs (Typ) Output Type Current - Buffered Differential Output No Data Interface SPI, DSP Reference Type External, Internal Voltage - Supply, Analog 10 V ~ 36 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) -, ±1 (Max) Architecture String DAC Operating Temperature -40 °C ~ 125 °C Package / Case 40-VFQFN Exposed Pad Supplier Device Package 40-VQFN (6x6) Mounting Type -		Data Acquisition - Digital to Analog Converters (DAC)
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Number of D/A Converters1Settling Time25μs (Typ)Output TypeCurrent - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternal, InternalVoltage - Supply, Analog10 V ~ 36 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)-, ±1 (Max)ArchitectureString DACOperating Temperature-40°C ~ 125°CPackage / Case40-VFQFN Exposed PadSupplier Device Package40-VQFN (6x6)Mounting Type-	Series	-
Settling Time 25µs (Typ) Output Type Current - Buffered Differential Output No Data Interface SPI, DSP Reference Type External, Internal Voltage - Supply, Analog 10 V ~ 36 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) -, ±1 (Max) Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 40-VFQFN Exposed Pad Supplier Device Package 40-VQFN (6x6) Mounting Type -	Number of Bits	12
Output TypeCurrent - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternal, InternalVoltage - Supply, Analog10 V ~ 36 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)-, ±1 (Max)ArchitectureString DACOperating Temperature-40°C ~ 125°CPackage / Case40-VFQFN Exposed PadSupplier Device Package40-VQFN (6x6)Mounting Type-	Number of D/A Converters	1
Differential Output Data Interface SPI, DSP Reference Type External, Internal Voltage - Supply, Analog 10 V ~ 36 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) -, ±1 (Max) Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 40-VFQFN Exposed Pad Supplier Device Package Mounting Type -	Settling Time	25μs (Typ)
Data Interface SPI, DSP Reference Type External, Internal Voltage - Supply, Analog 10 V ~ 36 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) -, ±1 (Max) Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 40-VFQFN Exposed Pad Supplier Device Package 40-VQFN (6x6) Mounting Type -	Output Type	Current - Buffered
Reference Type External, Internal Voltage - Supply, Analog 10 V ~ 36 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) -, ±1 (Max) Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 40-VFQFN Exposed Pad Supplier Device Package 40-VQFN (6x6) Mounting Type -	Differential Output	No
Voltage - Supply, Analog 10 V ~ 36 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) -, ±1 (Max) Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 40-VFQFN Exposed Pad Supplier Device Package 40-VQFN (6x6) Mounting Type -	Data Interface	SPI, DSP
Voltage - Supply, Digital 2.7 V \sim 5.5 V INL/DNL (LSB) -, \pm 1 (Max) Architecture String DAC Operating Temperature -40°C \sim 125°C Package / Case 40-VFQFN Exposed Pad Supplier Device Package 40-VQFN (6x6) -	Reference Type	External, Internal
INL/DNL (LSB) -, ±1 (Max) Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 40-VFQFN Exposed Pad Supplier Device Package 40-VQFN (6x6) Mounting Type -	Voltage - Supply, Analog	10 V ~ 36 V
Architecture String DAC Operating Temperature -40°C ~ 125°C Package / Case 40-VFQFN Exposed Pad Supplier Device Package 40-VQFN (6x6) Mounting Type -	Voltage - Supply, Digital	2.7 V ~ 5.5 V
Operating Temperature -40°C ~ 125°C Package / Case 40-VFQFN Exposed Pad Supplier Device Package 40-VQFN (6x6) Mounting Type -	INL/DNL (LSB)	-, ±1 (Max)
Package / Case 40-VFQFN Exposed Pad Supplier Device Package 40-VQFN (6x6) Mounting Type -	Architecture	String DAC
Supplier Device Package 40-VQFN (6x6) Mounting Type -	Operating Temperature	-40°C ~ 125°C
Mounting Type -	Package / Case	40-VFQFN Exposed Pad
	Supplier Device Package	40-VQFN (6x6)
Report errors?	Mounting Type	-
		Report errors?

DAC7750IRHAR 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.

DAC7750IRHAR Payment Methods



















DAC7750IRHAR Shipping Methods













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