

LTC2751BCUHF-16#TRPBF

LTC2751BCUHF-16#TRPBF Information



For Reference Only

Part Number LTC2751BCUHF-16#TRPBF

Manufacturer Linear Technology

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description IC DAC 16BIT CUR OUT 38-QFN

Package 38-WFQFN Exposed Pad

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.









LTC2751BCUHF-16#TRPBF Specifications

Manufacturer Part NumberLTC2751BCUHF-16#TRPBFManufacturerLinear TechnologyCategoryIntegrated Circuits (ICs)Package38-WFQFN Exposed PadSeriesSoftSpan?Number of Bits16Number of D/A Converters1Settling Time2μs (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±2 (Max), ±1 (Max)ArchitectureMultiplying DACOperating Temperature0°C ~ 70°CPackage / Case38-WFQFN Exposed PadSupplier Device Package38-QFN (5x7)Mounting Type-		
Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 38-WFQFN Exposed Pad Series SoftSpan? Number of Bits 16 Number of D/A Converters 1 Settling Time 2μs (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) ±2 (Max), ±1 (Max) Architecture Multiplying DAC Operating Temperature 0°C ~ 70°C Package / Case 38-WFQFN Exposed Pad Supplier Device Package 38-QFN (5x7) Mounting Type -	Manufacturer Part Number	LTC2751BCUHF-16#TRPBF
Data Acquisition - Digital to Analog Converters (DAC) Package 38-WFQFN Exposed Pad Series SoftSpan? Number of Bits 16 Number of D/A Converters 1 Settling Time 2µs (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) ±2 (Max), ±1 (Max) Architecture Multiplying DAC Operating Temperature 0°C ~ 70°C Package / Case 38-WFQFN Exposed Pad Supplier Device Package 38-QFN (5x7) Mounting Type -	Manufacturer	Linear Technology
Package38-WFQFN Exposed PadSeriesSoftSpan?Number of Bits16Number of D/A Converters1Settling Time2μs (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±2 (Max), ±1 (Max)ArchitectureMultiplying DACOperating Temperature0°C ~ 70°CPackage / Case38-WFQFN Exposed PadSupplier Device Package38-QFN (5x7)Mounting Type-	Category	Integrated Circuits (ICs)
SeriesSoftSpan?Number of Bits16Number of D/A Converters1Settling Time2μs (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±2 (Max), ±1 (Max)ArchitectureMultiplying DACOperating Temperature0°C ~ 70°CPackage / Case38-WFQFN Exposed PadSupplier Device Package38-QFN (5x7)Mounting Type-		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits16Number of D/A Converters1Settling Time2μs (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±2 (Max), ±1 (Max)ArchitectureMultiplying DACOperating Temperature0°C ~ 70°CPackage / Case38-WFQFN Exposed PadSupplier Device Package38-QFN (5x7)Mounting Type-	Package	38-WFQFN Exposed Pad
Number of D/A Converters1Settling Time2μs (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±2 (Max), ±1 (Max)ArchitectureMultiplying DACOperating Temperature0°C ~ 70°CPackage / Case38-WFQFN Exposed PadSupplier Device Package38-QFN (5x7)Mounting Type-	Series	SoftSpan?
Settling Time2μs (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±2 (Max), ±1 (Max)ArchitectureMultiplying DACOperating Temperature0°C ~ 70°CPackage / Case38-WFQFN Exposed PadSupplier Device Package38-QFN (5x7)Mounting Type-	Number of Bits	16
Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±2 (Max), ±1 (Max)ArchitectureMultiplying DACOperating Temperature0°C ~ 70°CPackage / Case38-WFQFN Exposed PadSupplier Device Package38-QFN (5x7)Mounting Type-	Number of D/A Converters	1
Differential Output Parallel Reference Type External Voltage - Supply, Analog Voltage - Supply, Digital INL/DNL (LSB) Architecture Multiplying DAC Operating Temperature O°C ~ 70°C Package / Case 38-WFQFN Exposed Pad Supplier Device Package Mounting Type - Yes Parallel External 2.7 V ~ 5.5 V (Max) 4.7 (Max) Multiplying DAC O°C ~ 70°C 38-WFQFN Exposed Pad Supplier Device Package 38-QFN (5x7)	Settling Time	2μs (Typ)
Data InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±2 (Max), ±1 (Max)ArchitectureMultiplying DACOperating Temperature0°C ~ 70°CPackage / Case38-WFQFN Exposed PadSupplier Device Package38-QFN (5x7)Mounting Type-	Output Type	Current - Unbuffered
Reference TypeExternalVoltage - 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) $\pm 2 \text{ (Max)}, \pm 1 \text{ (Max)}$ ArchitectureMultiplying DACOperating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $38\text{-WFQFN Exposed Pad}$ Supplier Device Package 38-QFN (5x7) Mounting Type-	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) $\pm 2 \text{ (Max)}, \pm 1 \text{ (Max)}$ ArchitectureMultiplying DACOperating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $38\text{-WFQFN Exposed Pad}$ Supplier Device Package 38-QFN (5x7) Mounting Type-	Data Interface	Parallel
Voltage - Supply, Digital 2.7 V \sim 5.5 V INL/DNL (LSB) ± 2 (Max), ± 1 (Max) Architecture Multiplying DAC Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case 38-WFQFN Exposed Pad Supplier Device Package 38-QFN (5x7) Mounting Type -	Reference Type	External
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Voltage - Supply, Analog	2.7 V ~ 5.5 V
Architecture Multiplying DAC Operating Temperature 0°C ~ 70°C Package / Case 38-WFQFN Exposed Pad Supplier Device Package 38-QFN (5x7) Mounting Type -	Voltage - Supply, Digital	2.7 V ~ 5.5 V
Operating Temperature 0°C ~ 70°C Package / Case 38-WFQFN Exposed Pad Supplier Device Package 38-QFN (5x7) Mounting Type -	INL/DNL (LSB)	±2 (Max), ±1 (Max)
Package / Case 38-WFQFN Exposed Pad Supplier Device Package 38-QFN (5x7) Mounting Type -	Architecture	Multiplying DAC
Supplier Device Package 38-QFN (5x7) Mounting Type -	Operating Temperature	0°C ~ 70°C
Mounting Type -	Package / Case	38-WFQFN Exposed Pad
	Supplier Device Package	38-QFN (5x7)
Report errors?	Mounting Type	-
		Report errors?

LTC2751BCUHF-16#TRPBF 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.

LTC2751BCUHF-16#TRPBF Payment Methods

































If you have any question about LTC2751BCUHF-16#TRPBF, please do not hesitate to contact us!

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