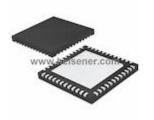


# LTC2753IUK-14#TRPBF

### LTC2753IUK-14#TRPBF Information



For Reference Only

Part Number LTC2753IUK-14#TRPBF

Manufacturer Linear Technology

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

**Description** IC DAC 14BIT DUAL 48-QFN

Package 48-WFQFN 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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# **Certified Quality**

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## LTC2753IUK-14#TRPBF Specifications

Manufacturer Part Number       LTC2753IUK-14#TRPBF         Manufacturer       Linear Technology         Category       Integrated Circuits (ICs)         Data Acquisition - Digital to Analog Converters (DAC)         Package       48-WFQFN Exposed Pad         Series       SoftSpan?         Number of Bits       14         Number of D/A Converters       2         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)       ±1 (Max), ±1 (Max)         Architecture       Multiplying DAC         Oppositing Temposphuse       40°C + 85°C		
CategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package48-WFQFN Exposed PadSeriesSoftSpan?Number of Bits14Number of D/A Converters2Settling Time2μs (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±1 (Max), ±1 (Max)ArchitectureMultiplying DAC	Manufacturer Part Number	LTC2753IUK-14#TRPBF
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Manufacturer	Linear Technology
Package48-WFQFN Exposed PadSeriesSoftSpan?Number of Bits14Number of D/A Converters2Settling Time2μs (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±1 (Max), ±1 (Max)ArchitectureMultiplying DAC	Category	Integrated Circuits (ICs)
SeriesSoftSpan?Number of Bits14Number of D/A Converters2Settling Time2μs (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±1 (Max), ±1 (Max)ArchitectureMultiplying DAC		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits14Number of D/A Converters2Settling Time $2\mu s$ (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference 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) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ ArchitectureMultiplying DAC	Package	48-WFQFN Exposed Pad
$\begin{array}{llllllllllllllllllllllllllllllllllll$	Series	SoftSpan?
Settling Time $2\mu s  (Typ)$ $Output  Type \qquad Current - Unbuffered$ $Differential  Output \qquad Yes$ $Data  Interface \qquad Parallel$ $Reference  Type \qquad External$ $Voltage - Supply,  Analog \qquad 2.7  V \sim 5.5  V$ $Voltage - Supply,  Digital \qquad 2.7  V \sim 5.5  V$ $INL/DNL  (LSB) \qquad \pm 1  (Max),  \pm 1  (Max)$ $Architecture \qquad Multiplying  DAC$	Number of Bits	14
Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference 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) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ ArchitectureMultiplying DAC	Number of D/A Converters	2
Differential OutputYesData InterfaceParallelReference 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) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ ArchitectureMultiplying DAC	Settling Time	2μs (Typ)
Data InterfaceParallelReference 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) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ ArchitectureMultiplying DAC	Output Type	Current - Unbuffered
Reference Type External  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) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ Architecture Multiplying DAC	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) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ Architecture Multiplying DAC	Data Interface	Parallel
Voltage - Supply, Digital 2.7 V $\sim$ 5.5 V INL/DNL (LSB) $\pm 1$ (Max), $\pm 1$ (Max) Architecture Multiplying DAC	Reference Type	External
INL/DNL (LSB) ±1 (Max), ±1 (Max) Architecture Multiplying DAC	Voltage - Supply, Analog	2.7 V ~ 5.5 V
Architecture Multiplying DAC	Voltage - Supply, Digital	2.7 V ~ 5.5 V
1,7,6	INL/DNL (LSB)	$\pm 1$ (Max), $\pm 1$ (Max)
Operating Temperature 40°C - 85°C	Architecture	Multiplying DAC
Operating reiniperature -40 C ~ 63 C	Operating Temperature	-40°C ~ 85°C
Package / Case 48-WFQFN Exposed Pad	Package / Case	48-WFQFN Exposed Pad
Supplier Device Package 48-QFN (7x7)	Supplier Device Package	48-QFN (7x7)
Mounting Type -	Mounting Type	-
Report error		Report errors?

#### LTC2753IUK-14#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.

### LTC2753IUK-14#TRPBF Payment Methods



















## LTC2753IUK-14#TRPBF Shipping Methods













If you have any question about LTC2753IUK-14#TRPBF, please do not hesitate to contact us!

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