

# LTC2634CMSE-LZ12#TRPBF

### LTC2634CMSE-LZ12#TRPBF Information



For Reference Only

Part Number LTC2634CMSE-LZ12#TRPBF

Manufacturer Linear Technology

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

**Description** IC DAC 12BIT QUAD 2.5V 10MSOP

Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)

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**

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.









# LTC2634CMSE-LZ12#TRPBF Specifications

Manufacturer Part Number         LTC2634CMSE-LZ12#TRPBF           Manufacturer         Linear Technology           Category         Integrated Circuits (ICs)           Package         10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad           Series         -           Number of Bits         12           Number of D/A Converters         4           Settling Time         4.2µs (Typ)           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         SPI           Reference Type         External, Internal           Voltage - Supply, Analog         2.7 V ~ 5.5 V           Voltage - Supply, Digital         2.7 V ~ 5.5 V           INI/DNL (LSB)         ±1, ±1 (Max)           Architecture         -           Operating Temperature         0°C ~ 70°C           Package / Case         10-MSOP-EP           Mounting Type         -           Mounting Type         -           Internal         -           Report errors?         Report errors?		
Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad           Series         -           Number of Bits         12           Number of D/A Converters         4           Settling Time         4.2µs (Typ)           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         SPI           Reference Type         External, Internal           Voltage - Supply, Analog         2.7 V ~ 5.5 V           Voltage - Supply, Digital         2.7 V ~ 5.5 V           INL/DNL (LSB)         ±1, ±1 (Max)           Architecture         -           Operating Temperature         0°C ~ 70°C           Package / Case         10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad           Supplier Device Package         10-MSOP-EP           Mounting Type         -	Manufacturer Part Number	LTC2634CMSE-LZ12#TRPBF
Package10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Number of Bits12Number of D/A Converters4Settling Time4.2μs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±1, ±1 (Max)Architecture-Operating Temperature0°C ~ 70°CPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadMounting Type-	Manufacturer	Linear Technology
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Series-Number of Bits12Number of D/A Converters4Settling Time $4.2\mu s$ (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - 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) $\pm 1, \pm 1$ (Max)Architecture-Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $10\text{-TFSOP}$ , $10\text{-MSOP}$ ( $0.118''$ , $3.00\text{mm}$ Width) Exposed PadSupplier Device Package $10\text{-MSOP-EP}$ Mounting Type-		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits12Number of D/A Converters4Settling Time4.2μs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±1, ±1 (Max)Architecture-Operating Temperature0°C ~ 70°CPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EPMounting Type-	Package	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad
Number of D/A Converters4Settling Time $4.2\mu s$ (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - 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) $\pm 1, \pm 1$ (Max)Architecture-Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $10\text{-TFSOP}$ , $10\text{-MSOP}$ ( $0.118^{\circ}$ , $3.00\text{mm}$ Width) Exposed PadSupplier Device Package $10\text{-MSOP-EP}$ Mounting Type-	Series	-
Settling Time 4.2 $\mu$ s (Typ) Output Type Voltage - Buffered  Differential Output No Data Interface SPI Reference Type External, Internal Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V  INL/DNL (LSB) $\pm 1, \pm 1$ (Max)  Architecture - Operating Temperature 0°C ~ 70°C  Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package Mounting Type -	Number of Bits	12
Output Type Voltage - Buffered  Differential Output No  Data Interface SPI  Reference Type External, Internal  Voltage - Supply, Analog 2.7 V ~ 5.5 V  Voltage - Supply, Digital 2.7 V ~ 5.5 V  INL/DNL (LSB) ±1, ±1 (Max)  Architecture - Operating Temperature 0°C ~ 70°C  Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package 10-MSOP-EP  Mounting Type -	Number of D/A Converters	4
Differential Output  Data Interface  Reference Type  External, Internal  Voltage - Supply, Analog  2.7 V ~ 5.5 V  Voltage - Supply, Digital  2.7 V ~ 5.5 V  INL/DNL (LSB)  41, ±1 (Max)  Architecture  Operating Temperature  0°C ~ 70°C  Package / Case  10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package  Mounting Type  -	Settling Time	4.2μs (Typ)
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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) $\pm 1, \pm 1 \text{ (Max)}$ Architecture-Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $10\text{-TFSOP}, 10\text{-MSOP} (0.118", 3.00\text{mm Width}) \text{ Exposed Pad}$ Supplier Device Package $10\text{-MSOP-EP}$ Mounting Type-	Data Interface	SPI
Voltage - Supply, Digital 2.7 V ~ 5.5 V $INL/DNL (LSB)                                    $	Reference Type	External, Internal
INL/DNL (LSB) $\pm 1$ , $\pm 1$ (Max)Architecture-Operating Temperature $0^{\circ}$ C ~ $70^{\circ}$ CPackage / Case $10$ -TFSOP, $10$ -MSOP ( $0.118$ ", $3.00$ mm Width) Exposed PadSupplier Device Package $10$ -MSOP-EPMounting Type-	Voltage - Supply, Analog	2.7 V ~ 5.5 V
Architecture - Operating Temperature 0°C ~ 70°C  Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package 10-MSOP-EP  Mounting Type -	Voltage - Supply, Digital	2.7 V ~ 5.5 V
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Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package 10-MSOP-EP  Mounting Type -	Architecture	-
Supplier Device Package 10-MSOP-EP  Mounting Type -	Operating Temperature	0°C ~ 70°C
Mounting Type -	Package / Case	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad
	Supplier Device Package	10-MSOP-EP
Report errors?	Mounting Type	-
		Report errors?

### LTC2634CMSE-LZ12#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.

## LTC2634CMSE-LZ12#TRPBF Payment Methods





















# LTC2634CMSE-LZ12#TRPBF Shipping Methods













If you have any question about LTC2634CMSE-LZ12#TRPBF, please do not hesitate to contact us!

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