



## **MX7524LCSE+ Information**



For Reference Only

Part Number MX7524LCSE+
Manufacturer Maxim Integrated
Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

**Description** IC DAC 8BIT MULT 16-SOIC **Package** 16-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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# **MX7524LCSE+ Specifications**

Manufacturer Part NumberMX7524LCSE+ManufacturerMaxim IntegratedCategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package16-SOIC (0.154", 3.90mm Width)Series-Number of Bits8Number of D/A Converters1Settling Time500nsOutput TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog5 V ~ 15 VVoltage - Supply, Digital5 V ~ 15 VINL/DNL (LSB)±0.5 (Max), ±1 (Max)ArchitectureR-2ROperating Temperature0°C ~ 70°CPackage / Case16-SOIC (0.154", 3.90mm Width)Mounting Type-		
Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         16-SOIC (0.154", 3.90mm Width)           Series         -           Number of Bits         8           Number of D/A Converters         1           Settling Time         500ns           Output Type         Current - Unbuffered           Differential Output         Yes           Data Interface         Parallel           Reference Type         External           Voltage - Supply, Analog         5 V ~ 15 V           Voltage - Supply, Digital         5 V ~ 15 V           INL/DNL (LSB)         ±0.5 (Max), ±1 (Max)           Architecture         R-2R           Operating Temperature         0°C ~ 70°C           Package / Case         16-SOIC (0.154", 3.90mm Width)           Supplier Device Package         16-SO	Manufacturer Part Number	MX7524LCSE+
Data Acquisition - Digital to Analog Converters (DAC)  Package 16-SOIC (0.154", 3.90mm Width)  Series - Number of Bits 8  Number of D/A Converters 1  Settling Time 500ns  Output Type Current - Unbuffered  Differential Output Yes  Data Interface Parallel  Reference Type External  Voltage - Supply, Analog 5 V ~ 15 V  Voltage - Supply, Digital 5 V ~ 15 V  INL/DNL (LSB) ±0.5 (Max), ±1 (Max)  Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 16-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Manufacturer	Maxim Integrated
Package 16-SOIC (0.154", 3.90mm Width)  Series -  Number of Bits 8  Number of D/A Converters 1  Settling Time 500ns  Output Type Current - Unbuffered  Differential Output Yes  Data Interface Parallel  Reference Type External  Voltage - Supply, Analog 5 V ~ 15 V  Voltage - Supply, Digital 5 V ~ 15 V  INL/DNL (LSB) ±0.5 (Max), ±1 (Max)  Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 16-SOIC (0.154", 3.90mm Width)  Supplier Device Package 16-SO	Category	Integrated Circuits (ICs)
Series - Number of Bits 8 Number of D/A Converters 1 Settling Time 500ns Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog 5 V ~ 15 V Voltage - Supply, Digital 5 V ~ 15 V INL/DNL (LSB) ±0.5 (Max), ±1 (Max) Architecture R-2R Operating Temperature 0°C ~ 70°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits  Number of D/A Converters  1  Settling Time  500ns  Output Type  Current - Unbuffered  Differential Output  Yes  Data Interface  Parallel  Reference Type  External  Voltage - Supply, Analog  5 V ~ 15 V  Voltage - Supply, Digital  5 V ~ 15 V  INL/DNL (LSB)  40.5 (Max), ±1 (Max)  Architecture  R-2R  Operating Temperature  0°C ~ 70°C  Package / Case  16-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Package	16-SOIC (0.154", 3.90mm Width)
Number of D/A Converters 1  Settling Time 500ns  Output Type Current - Unbuffered  Differential Output Yes  Data Interface Parallel  Reference Type External  Voltage - Supply, Analog 5 V ~ 15 V  Voltage - Supply, Digital 5 V ~ 15 V  INL/DNL (LSB) ±0.5 (Max), ±1 (Max)  Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 16-SOIC (0.154", 3.90mm Width)  Supplier Device Package 16-SO	Series	-
Settling Time 500ns Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog 5 V ~ 15 V Voltage - Supply, Digital 5 V ~ 15 V INL/DNL (LSB) ±0.5 (Max), ±1 (Max) Architecture R-2R Operating Temperature 0°C ~ 70°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO	Number of Bits	8
Output Type  Current - Unbuffered  Differential Output  Yes  Data Interface  Parallel  Reference Type  External  Voltage - Supply, Analog  Voltage - Supply, Digital  INL/DNL (LSB)  Architecture  Operating Temperature  Package / Case  16-SOIC (0.154", 3.90mm Width)  Supplier Device Package  Current - Unbuffered  Yes  Current - Unbuffered  Yes  Current - Unbuffered  Yes  Lthis is a company to the supplier of the	Number of D/A Converters	1
Differential Output Yes  Data Interface Parallel  Reference Type External  Voltage - Supply, Analog $5 \text{ V} \sim 15 \text{ V}$ Voltage - Supply, Digital $5 \text{ V} \sim 15 \text{ V}$ INL/DNL (LSB) $\pm 0.5 \text{ (Max)}, \pm 1 \text{ (Max)}$ Architecture R-2R  Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $16\text{-SOIC (0.154'', 3.90mm Width)}$ Supplier Device Package $16\text{-SO}$	Settling Time	500ns
Data Interface Parallel  Reference Type External  Voltage - Supply, Analog 5 V ~ 15 V  Voltage - Supply, Digital 5 V ~ 15 V  INL/DNL (LSB) ±0.5 (Max), ±1 (Max)  Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 16-SOIC (0.154", 3.90mm Width)  Supplier Device Package 16-SO	Output Type	Current - Unbuffered
Reference TypeExternalVoltage - Supply, Analog $5 \text{ V} \sim 15 \text{ V}$ Voltage - Supply, Digital $5 \text{ V} \sim 15 \text{ V}$ INL/DNL (LSB) $\pm 0.5 \text{ (Max)}, \pm 1 \text{ (Max)}$ ArchitectureR-2ROperating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $16\text{-SOIC (0.154", 3.90mm Width)}$ Supplier Device Package $16\text{-SO}$	Differential Output	Yes
Voltage - Supply, Analog $5 \text{ V} \sim 15 \text{ V}$ Voltage - Supply, Digital $5 \text{ V} \sim 15 \text{ V}$ INL/DNL (LSB) $\pm 0.5 \text{ (Max)}, \pm 1 \text{ (Max)}$ Architecture $8 \text{ R-2R}$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $16 \text{-SOIC (0.154'', 3.90mm Width)}$ Supplier Device Package $16 \text{-SO}$	Data Interface	Parallel
Voltage - Supply, Digital $5 \text{ V} \sim 15 \text{ V}$ INL/DNL (LSB) $\pm 0.5 \text{ (Max)}, \pm 1 \text{ (Max)}$ Architecture $R-2R$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $16\text{-SOIC}$ (0.154", 3.90mm Width) Supplier Device Package $16\text{-SO}$	Reference Type	External
$ \begin{array}{lll} & & & \pm 0.5 \ (\text{Max}), \pm 1 \ (\text{Max}) \\ & & & \text{Architecture} & & \text{R-2R} \\ & & & & \text{Operating Temperature} & & & 0^{\circ}\text{C} & 70^{\circ}\text{C} \\ & & & & & \text{16-SOIC} \ (0.154", 3.90\text{mm Width}) \\ & & & & \text{Supplier Device Package} & & & & 16\text{-SO} \\ \end{array} $	Voltage - Supply, Analog	5 V ~ 15 V
Architecture R-2R  Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case 16-SOIC (0.154", 3.90mm Width)  Supplier Device Package 16-SO	Voltage - Supply, Digital	5 V ~ 15 V
Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $16\text{-SOIC}$ (0.154", 3.90mm Width) Supplier Device Package $16\text{-SO}$	INL/DNL (LSB)	±0.5 (Max), ±1 (Max)
Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO	Architecture	R-2R
Supplier Device Package 16-SO	Operating Temperature	0°C ~ 70°C
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Mounting Type	Supplier Device Package	16-SO
Woulding Type	Mounting Type	-
Report errors?		Report errors?

## **MX7524LCSE+ 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.

# **MX7524LCSE+ Payment Methods**



















## **MX7524LCSE+ Shipping Methods**













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