

### **MX7536KN Information**



For Reference Only

Part Number MX7536KN

Manufacturer Maxim Integrated

Category Integrated Circuits

Integrated Circuits (ICs)
Data Acquisition - Digital to Analog Converters

(DAC)

**Description** IC DAC CMOS 14BIT UP-COMP 28-DIP

**Package** 28-DIP (0.600", 15.24mm)

For the pricing/inventory/lead time, please contact

us

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



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# **MX7536KN Specifications**

Manufacturer Part Number         MX7536KN           Manufacturer         Maxim Integrated           Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         28-DIP (0.600", 15.24mm)           Series         -           Number of Bits         14           Number of D/A Converters         1           Settling Time         1.5µs           Output Type         Current - Unbuffered           Differential Output         No           Data Interface         Parallel           Reference Type         External           Voltage - Supply, Analog         11.4 V ~ 15.75 V           Voltage - Supply, Digital         11.4 V ~ 15.75 V           INL/DNL (LSB)         ±1 (Max), ±1 (Max)           Architecture         R-2R           Operating Temperature         0°C ~ 70°C           Package / Case         28-DIP (0.600", 15.24mm)           Supplier Device Package         28-DIP (0.600", 15.24mm)           Mounting Type         -		
Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         28-DIP (0.600", 15.24mm)           Series         -           Number of Bits         14           Number of D/A Converters         1           Settling Time         1.5µs           Output Type         Current - Unbuffered           Differential Output         No           Data Interface         Parallel           Reference Type         External           Voltage - Supply, Analog         11.4 V ~ 15.75 V           Voltage - Supply, Digital         11.4 V ~ 15.75 V           INL/DNL (LSB)         ±1 (Max), ±1 (Max)           Architecture         R-2R           Operating Temperature         0°C ~ 70°C           Package / Case         28-DIP (0.600", 15.24mm)           Supplier Device Package         28-PDIP           Mounting Type         -	Manufacturer Part Number	MX7536KN
Package $28$ -DIP $(0.600", 15.24mm)$ Series-Number of Bits $14$ Number of D/A Converters $1$ Settling Time $1.5\mu s$ Output TypeCurrent - UnbufferedDifferential OutputNoData InterfaceParallelReference TypeExternalVoltage - Supply, Analog $11.4 \text{ V} \sim 15.75 \text{ V}$ Voltage - Supply, Digital $11.4 \text{ V} \sim 15.75 \text{ V}$ INL/DNL (LSB) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ ArchitectureR-2ROperating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $28$ -DIP $(0.600", 15.24mm)$ Mounting Type-	Manufacturer	Maxim Integrated
Package         28-DIP (0.600", 15.24mm)           Series         -           Number of Bits         14           Number of D/A Converters         1           Settling Time         1.5μs           Output Type         Current - Unbuffered           Differential Output         No           Data Interface         Parallel           Reference Type         External           Voltage - Supply, Analog         11.4 V ~ 15.75 V           Voltage - Supply, Digital         11.4 V ~ 15.75 V           INL/DNL (LSB)         ±1 (Max), ±1 (Max)           Architecture         R-2R           Operating Temperature         0°C ~ 70°C           Package / Case         28-DIP (0.600", 15.24mm)           Supplier Device Package         28-PDIP           Mounting Type         -	Category	Integrated Circuits (ICs)
Series         -           Number of Bits         14           Number of D/A Converters         1           Settling Time         1.5µs           Output Type         Current - Unbuffered           Differential Output         No           Data Interface         Parallel           Reference Type         External           Voltage - Supply, Analog         11.4 V ~ 15.75 V           Voltage - Supply, Digital         11.4 V ~ 15.75 V           INL/DNL (LSB)         ±1 (Max), ±1 (Max)           Architecture         R-2R           Operating Temperature         0°C ~ 70°C           Package / Case         28-DIP (0.600", 15.24mm)           Supplier Device Package         28-PDIP           Mounting Type         -		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits 14  Number of D/A Converters 1  Settling Time 1.5 $\mu$ s  Output Type Current - Unbuffered  Differential Output No  Data Interface Parallel  Reference Type External  Voltage - Supply, Analog 11.4 V ~ 15.75 V  Voltage - Supply, Digital 11.4 V ~ 15.75 V  INL/DNL (LSB) $\pm 1$ (Max), $\pm 1$ (Max)  Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 28-DIP (0.600", 15.24mm)  Supplier Device Package 7  Mounting Type -	Package	28-DIP (0.600", 15.24mm)
Number of D/A Converters1Settling Time1.5μsOutput TypeCurrent - UnbufferedDifferential OutputNoData InterfaceParallelReference TypeExternalVoltage - Supply, Analog11.4 V ~ 15.75 VVoltage - Supply, Digital11.4 V ~ 15.75 VINL/DNL (LSB)±1 (Max), ±1 (Max)ArchitectureR-2ROperating Temperature0°C ~ 70°CPackage / Case28-DIP (0.600", 15.24mm)Supplier Device Package28-PDIPMounting Type-	Series	-
Settling Time1.5μsOutput TypeCurrent - UnbufferedDifferential OutputNoData InterfaceParallelReference TypeExternalVoltage - Supply, Analog11.4 V ~ 15.75 VVoltage - Supply, Digital11.4 V ~ 15.75 VINL/DNL (LSB)±1 (Max), ±1 (Max)ArchitectureR-2ROperating Temperature0°C ~ 70°CPackage / Case28-DIP (0.600", 15.24mm)Supplier Device Package28-PDIPMounting Type-	Number of Bits	14
Output Type Current - Unbuffered  Differential Output No  Data Interface Parallel  Reference Type External  Voltage - Supply, Analog 11.4 V ~ 15.75 V  Voltage - Supply, Digital 11.4 V ~ 15.75 V  INL/DNL (LSB) ±1 (Max), ±1 (Max)  Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 28-DIP (0.600", 15.24mm)  Supplier Device Package 28-PDIP  Mounting Type -	Number of D/A Converters	1
Differential Output  Data Interface  Parallel  Reference Type  External  Voltage - Supply, Analog  11.4 V ~ 15.75 V  Voltage - Supply, Digital  11.4 V ~ 15.75 V  INL/DNL (LSB)  41 (Max), ±1 (Max)  Architecture  R-2R  Operating Temperature  0°C ~ 70°C  Package / Case  28-DIP (0.600", 15.24mm)  Supplier Device Package  Mounting Type  -	Settling Time	1.5μs
Data InterfaceParallelReference TypeExternalVoltage - Supply, Analog $11.4 \text{ V} \sim 15.75 \text{ V}$ Voltage - Supply, Digital $11.4 \text{ V} \sim 15.75 \text{ V}$ INL/DNL (LSB) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ ArchitectureR-2ROperating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $28\text{-DIP (0.600", 15.24mm)}$ Supplier Device Package $28\text{-PDIP}$ Mounting Type-	Output Type	Current - Unbuffered
Reference TypeExternalVoltage - Supply, Analog $11.4 \text{ V} \sim 15.75 \text{ V}$ Voltage - Supply, Digital $11.4 \text{ V} \sim 15.75 \text{ V}$ INL/DNL (LSB) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ ArchitectureR-2ROperating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $28\text{-DIP (0.600", 15.24mm)}$ Supplier Device Package $28\text{-PDIP}$ Mounting Type-	Differential Output	No
Voltage - Supply, Analog $11.4 \text{ V} \sim 15.75 \text{ V}$ Voltage - Supply, Digital $11.4 \text{ V} \sim 15.75 \text{ V}$ INL/DNL (LSB) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ Architecture $R-2R$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $28-\text{DIP} (0.600", 15.24\text{mm})$ Supplier Device Package $28-\text{PDIP}$ Mounting Type-	Data Interface	Parallel
Voltage - Supply, Digital $11.4 \text{ V} \sim 15.75 \text{ V}$ INL/DNL (LSB) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ Architecture $R-2R$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $28-\text{DIP} (0.600", 15.24\text{mm})$ Supplier Device Package $28-\text{PDIP}$ Mounting Type-	Reference Type	External
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Voltage - Supply, Analog	11.4 V ~ 15.75 V
Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 28-DIP (0.600", 15.24mm)  Supplier Device Package 28-PDIP  Mounting Type -	Voltage - Supply, Digital	11.4 V ~ 15.75 V
Operating Temperature0°C ~ 70°CPackage / Case28-DIP (0.600", 15.24mm)Supplier Device Package28-PDIPMounting Type-	INL/DNL (LSB)	$\pm 1$ (Max), $\pm 1$ (Max)
Package / Case 28-DIP (0.600", 15.24mm)  Supplier Device Package 28-PDIP  Mounting Type -	Architecture	R-2R
Supplier Device Package 28-PDIP  Mounting Type -	Operating Temperature	0°C ~ 70°C
Mounting Type -	Package / Case	28-DIP (0.600", 15.24mm)
	Supplier Device Package	28-PDIP
	Mounting Type	-
Report errors?		Report errors?

## **MX7536KN 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.

# **MX7536KN Payment Methods**



















## **MX7536KN Shipping Methods**













If you have any question about MX7536KN, please do not hesitate to contact us!

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