



MX7538KCWG+ Information



For Reference Only

Part Number MX7538KCWG+
Manufacturer Maxim Integrated
Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description IC DAC 14BIT MPU COMP 24SOIC **Package** 24-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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



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MX7538KCWG+ Specifications

| Manufacturer Part Number MX7538KCWG+ Manufacturer Maxim Integrated Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 24-SOIC (0.295", 7.50mm Width) 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 24-SOIC (0.295", 7.50mm Width) Supplier Device Package 24-SOIC | | |
|--|---------------------------|---|
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| Number of D/A Converters1Settling 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 $24\text{-SOIC (0.295", 7.50mm Width)}$ | Series | - |
| Settling Time $1.5\mu s$ Output Type Current - Unbuffered Differential Output No Data Interface Parallel Reference Type External 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 $24\text{-SOIC (0.295", 7.50mm Width)}$ | Number of Bits | 14 |
| Output Type Current - Unbuffered No Data Interface Parallel Reference Type External Voltage - Supply, Analog Voltage - Supply, Digital INL/DNL (LSB) Architecture Operating Temperature Package / Case Current - Unbuffered No Current - Unbuffered No Current - Unbuffered No Parallel External 11.4 V ~ 15.75 V 11.4 V ~ 15.75 V IMAX) ### (Max) ### (Max) ### (Max) ### (Package / Case) 24-SOIC (0.295", 7.50mm Width) | Number of D/A Converters | 1 |
| Differential Output No Data Interface Parallel Reference Type External 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 $24\text{-SOIC }(0.295^{\circ}, 7.50 \text{mm Width})$ | 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 $24\text{-SOIC (0.295", 7.50mm Width)}$ | 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) $\pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ Architecture $R-2R$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $24-\text{SOIC } (0.295^{\circ}, 7.50 \text{mm Width})$ | 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 $24-\text{SOIC } (0.295", 7.50 \text{mm Width})$ | Data Interface | Parallel |
| Voltage - Supply, Digital $11.4 \text{ V} \sim 15.75 \text{ V}$ $INL/DNL \text{ (LSB)} \qquad \qquad \pm 1 \text{ (Max)}, \pm 1 \text{ (Max)}$ $Architecture \qquad \qquad R-2R$ $Operating Temperature \qquad 0°C \sim 70°C$ $Package / Case \qquad \qquad 24-SOIC \text{ (0.295", 7.50mm Width)}$ | Reference Type | External |
| $ \begin{array}{lll} & & & & \\ & & & \\ & & & \\ $ | Voltage - Supply, Analog | 11.4 V ~ 15.75 V |
| Architecture R-2R Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case 24-SOIC (0.295", 7.50mm Width) | Voltage - Supply, Digital | 11.4 V ~ 15.75 V |
| Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case 24-SOIC (0.295", 7.50mm Width) | INL/DNL (LSB) | ± 1 (Max), ± 1 (Max) |
| Package / Case 24-SOIC (0.295", 7.50mm Width) | Architecture | R-2R |
| • | Operating Temperature | 0°C ~ 70°C |
| Supplier Device Package 24-SOIC | Package / Case | 24-SOIC (0.295", 7.50mm Width) |
| | Supplier Device Package | 24-SOIC |
| Mounting Type - | Mounting Type | - |
| Report errors? | | Report errors? |

MX7538KCWG+ 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.

MX7538KCWG+ Payment Methods





















MX7538KCWG+ Shipping Methods













If you have any question about MX7538KCWG+, please do not hesitate to contact us!

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