



## **MAX5520ETC+ Information**



For Reference Only

Part Number MAX5520ETC+
Manufacturer Maxim Integrated
Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

**Description** IC DAC 10BIT SGL ULP 12-TQFN

Package 12-WQFN 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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## **MAX5520ETC+ Specifications**

Manufacturer Part Number       MAX5520ETC+         Manufacturer       Maxim Integrated         Category       Integrated Circuits (ICs)         Data Acquisition - Digital to Analog Converters (DAC)         Package       12-WQFN Exposed Pad         Series       -         Number of Bits       10         Number of D/A Converters       1         Settling Time       660µs (Typ)         Output Type       Voltage - Buffered         Differential Output       No         Data Interface       SPI         Reference Type       External         Voltage - Supply, Analog       1.8 V ~ 5.5 V         Voltage - Supply, Digital       1.8 V ~ 5.5 V         INL/DNL (LSB)       ±1, ±0.2         Architecture       Current Source         Operating Temperature       -40°C ~ 85°C         Package / Case       12-WQFN Exposed Pad         Supplier Device Package       12-TQFN (4x4)         Mounting Type       Report errors?		
Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         12-WQFN Exposed Pad           Series         -           Number of Bits         10           Number of D/A Converters         1           Settling Time         660μs (Typ)           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         SPI           Reference Type         External           Voltage - Supply, Analog         1.8 V ~ 5.5 V           Voltage - Supply, Digital         1.8 V ~ 5.5 V           INL/DNL (LSB)         ±1, ±0.2           Architecture         Current Source           Operating Temperature         -40°C ~ 85°C           Package / Case         12-WQFN Exposed Pad           Supplier Device Package         12-TQFN (4x4)           Mounting Type         -	Manufacturer Part Number	MAX5520ETC+
Package12-WQFN Exposed PadSeries-Number of Bits10Number of D/A Converters1Settling Time $660\mu s$ (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternalVoltage - Supply, Analog $1.8 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $1.8 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 1, \pm 0.2$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $12\text{-WQFN Exposed Pad}$ Supplier Device Package $12\text{-TQFN (4x4)}$ Mounting Type-	Manufacturer	Maxim Integrated
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Series         -           Number of Bits         10           Number of D/A Converters         1           Settling Time         660μs (Typ)           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         SPI           Reference Type         External           Voltage - Supply, Analog         1.8 V ~ 5.5 V           Voltage - Supply, Digital         1.8 V ~ 5.5 V           INL/DNL (LSB)         ±1, ±0.2           Architecture         Current Source           Operating Temperature         -40°C ~ 85°C           Package / Case         12-WQFN Exposed Pad           Supplier Device Package         12-TQFN (4x4)           Mounting Type         -		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits 10  Number of D/A Converters 1  Settling Time 660µs (Typ)  Output Type Voltage - Buffered  Differential Output No  Data Interface SPI  Reference Type External  Voltage - Supply, Analog 1.8 V ~ 5.5 V  Voltage - Supply, Digital 1.8 V ~ 5.5 V  INL/DNL (LSB) ±1, ±0.2  Architecture Current Source  Operating Temperature -40°C ~ 85°C  Package / Case 12-WQFN Exposed Pad  Supplier Device Package 12-TQFN (4x4)  Mounting Type -	Package	12-WQFN Exposed Pad
Number of D/A Converters  Settling Time  660µs (Typ)  Output Type  Voltage - Buffered  Differential Output  No  Data Interface  SPI  Reference Type  External  Voltage - Supply, Analog  Voltage - Supply, Digital  1.8 V ~ 5.5 V  INL/DNL (LSB)  ±1, ±0.2  Architecture  Operating Temperature  -40°C ~ 85°C  Package / Case  Supplier Device Package  12-TQFN (4x4)  Mounting Type  1660µs (Typ)  Voltage - Buffered  No  Current Source  12-TQFN (4x4)  Mounting Type  -600µs (Typ)  Voltage - Buffered  No  Cuthered  12-TQFN (4x4)  Mounting Type  -600µs (Typ)  Cuthered  Analog  12-TQFN (4x4)  Mounting Type	Series	-
Settling Time 660µs (Typ)  Output Type Voltage - Buffered  Differential Output No  Data Interface SPI  Reference Type External  Voltage - Supply, Analog 1.8 V ~ 5.5 V  Voltage - Supply, Digital 1.8 V ~ 5.5 V  INL/DNL (LSB) ±1, ±0.2  Architecture Current Source  Operating Temperature -40°C ~ 85°C  Package / Case 12-WQFN Exposed Pad  Supplier Device Package 12-TQFN (4x4)  Mounting Type -	Number of Bits	10
Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternalVoltage - Supply, Analog1.8 V ~ 5.5 VVoltage - Supply, Digital1.8 V ~ 5.5 VINL/DNL (LSB)±1, ±0.2ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case12-WQFN Exposed PadSupplier Device Package12-TQFN (4x4)Mounting Type-	Number of D/A Converters	1
Differential Output  Data Interface  Reference Type  External  Voltage - Supply, Analog  Voltage - Supply, Digital  1.8 V ~ 5.5 V  INL/DNL (LSB)  Architecture  Operating Temperature  -40°C ~ 85°C  Package / Case  12-WQFN Exposed Pad  Supplier Device Package  Mounting Type  -  No  No  No  SPI  External  1.8 V ~ 5.5 V  1.8 V ~ 5.5 V  Current Source  -40°C ~ 85°C  Package / Case  12-WQFN Exposed Pad  Supplier Device Package  12-TQFN (4x4)	Settling Time	660µs (Typ)
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Voltage - Supply, Analog $1.8 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $1.8 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 1, \pm 0.2$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $12\text{-WQFN Exposed Pad}$ Supplier Device Package $12\text{-TQFN (4x4)}$ Mounting Type-	Data Interface	SPI
Voltage - Supply, Digital $1.8 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 1, \pm 0.2$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $12\text{-WQFN Exposed Pad}$ Supplier Device Package $12\text{-TQFN (4x4)}$ Mounting Type-	Reference Type	External
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Architecture Current Source  Operating Temperature -40°C ~ 85°C  Package / Case 12-WQFN Exposed Pad  Supplier Device Package 12-TQFN (4x4)  Mounting Type -	Voltage - Supply, Digital	1.8 V ~ 5.5 V
Operating Temperature -40°C ~ 85°C  Package / Case 12-WQFN Exposed Pad  Supplier Device Package 12-TQFN (4x4)  Mounting Type -	INL/DNL (LSB)	$\pm 1, \pm 0.2$
Package / Case 12-WQFN Exposed Pad  Supplier Device Package 12-TQFN (4x4)  Mounting Type -	Architecture	Current Source
Supplier Device Package 12-TQFN (4x4)  Mounting Type -	Operating Temperature	-40°C ~ 85°C
Mounting Type -	Package / Case	12-WQFN Exposed Pad
	Supplier Device Package	12-TQFN (4x4)
Report errors?	Mounting Type	-
		Report errors?

#### **MAX5520ETC+ 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.

### **MAX5520ETC+ Payment Methods**









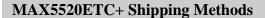
























If you have any question about MAX5520ETC+, please do not hesitate to contact us!

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