



#### MAX5443AEUA+T Information

www.dollaner.com

For Reference Only

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

 Description
 IC DAC 16BIT 3V SERIAL 8-UMAX

 Package
 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)

 For the pricing/inventory/lead time, please contact

us

Part Number MAX5443AEUA+T Manufacturer Maxim Integrated

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



Request a Quote

## **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.









## **MAX5443AEUA+T Specifications**

Manufacturer Part Number       MAX5443AEUA+T         Manufacturer       Maxim Integrated         Category       Integrated Circuits (ICs)         Data Acquisition - Digital to Analog Converters (DAC)         Package       8-TSSOP, 8-MSOP (0.118", 3.00mm Width)         Series       -         Number of Bits       16         Number of D/A Converters       1         Settling Time       1μs (Typ)         Output Type       Voltage - Unbuffered         Differential Output       No         Data Interface       SPI         Reference Type       External         Voltage - Supply, Analog       2.7 V ~ 3.6 V         Voltage - Supply, Digital       2.7 V ~ 3.6 V         INL/DNL (LSB)       ±0.5, ±0.5         Architecture       R-2R         Operating Temperature       -40°C ~ 85°C         Package / Case       8-TSSOP, 8-MSOP (0.118", 3.00mm Width)         Supplier Device Package       8-uMAX		
Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Series         -           Number of Bits         16           Number of D/A Converters         1           Settling Time         1µs (Typ)           Output Type         Voltage - Unbuffered           Differential Output         No           Data Interface         SPI           Reference Type         External           Voltage - Supply, Analog         2.7 V ~ 3.6 V           Voltage - Supply, Digital         2.7 V ~ 3.6 V           INL/DNL (LSB)         ±0.5, ±0.5           Architecture         R-2R           Operating Temperature         -40°C ~ 85°C           Package / Case         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Supplier Device Package         8-uMAX	Manufacturer Part Number	MAX5443AEUA+T
Data Acquisition - Digital to Analog Converters (DAC)           Package         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Series         -           Number of Bits         16           Number of D/A Converters         1           Settling Time         1μs (Typ)           Output Type         Voltage - Unbuffered           Differential Output         No           Data Interface         SPI           Reference Type         External           Voltage - Supply, Analog         2.7 V ~ 3.6 V           Voltage - Supply, Digital         2.7 V ~ 3.6 V           INL/DNL (LSB)         ±0.5, ±0.5           Architecture         R-2R           Operating Temperature         -40°C ~ 85°C           Package / Case         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Supplier Device Package         8-uMAX	Manufacturer	Maxim Integrated
Package         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Series         -           Number of Bits         16           Number of D/A Converters         1           Settling Time         1µs (Typ)           Output Type         Voltage - Unbuffered           Differential Output         No           Data Interface         SPI           Reference Type         External           Voltage - Supply, Analog         2.7 V ~ 3.6 V           Voltage - Supply, Digital         2.7 V ~ 3.6 V           INL/DNL (LSB)         ±0.5, ±0.5           Architecture         R-2R           Operating Temperature         -40°C ~ 85°C           Package / Case         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Supplier Device Package         8-uMAX	Category	Integrated Circuits (ICs)
Series         -           Number of Bits         16           Number of D/A Converters         1           Settling Time         1μs (Typ)           Output Type         Voltage - Unbuffered           Differential Output         No           Data Interface         SPI           Reference Type         External           Voltage - Supply, Analog         2.7 V ~ 3.6 V           Voltage - Supply, Digital         2.7 V ~ 3.6 V           INL/DNL (LSB)         ±0.5, ±0.5           Architecture         R-2R           Operating Temperature         -40°C ~ 85°C           Package / Case         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Supplier Device Package         8-uMAX		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits 16 Number of D/A Converters 1 Settling Time 1 $\mu$ s (Typ) Output Type Voltage - Unbuffered Differential Output No Data Interface SPI Reference Type External Voltage - Supply, Analog 2.7 V ~ 3.6 V Voltage - Supply, Digital 2.7 V ~ 3.6 V INL/DNL (LSB) $\pm 0.5, \pm 0.5$ Architecture R-2R Operating Temperature -40°C ~ 85°C Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package 8-uMAX	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Number of D/A Converters1Settling Time1μs (Typ)Output TypeVoltage - UnbufferedDifferential OutputNoData InterfaceSPIReference TypeExternalVoltage - Supply, Analog2.7 V ~ 3.6 VVoltage - Supply, Digital2.7 V ~ 3.6 VINL/DNL (LSB)±0.5, ±0.5ArchitectureR-2ROperating Temperature-40°C ~ 85°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-uMAX	Series	-
Settling Time $1\mu s (Typ)$ Output Type $Voltage - Unbuffered$ Differential Output $No$ Data Interface $SPI$ Reference Type $External$ $Voltage - Supply, Analog$ $2.7 \ V \sim 3.6 \ V$ $Voltage - Supply, Digital$ $2.7 \ V \sim 3.6 \ V$ $Voltage - Supply, Digital$ $2.7 \ V \sim 3.6 \ V$ $Voltage - Supply = 2.7 \ V \sim 3.6 \ V$ $Voltage - Supply = 2.7 \ V \sim 3.6 \ V$ $Voltage - Supply = 2.7 \ V \sim 3.6 \ V$ $Voltage - Supply = 2.7 \ V \sim 3.6 \ V$ $Voltage - Supply = 2.7 \ V \sim 3.6 \ V$ $Voltage - Supply = 2.7 \ V \sim 3.6 \ V$ $Voltage - Supply = 3.6 \ $	Number of Bits	16
Output TypeVoltage - UnbufferedDifferential OutputNoData InterfaceSPIReference TypeExternalVoltage - Supply, Analog $2.7 \text{ V} \sim 3.6 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 3.6 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureR-2ROperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-uMAX	Number of D/A Converters	1
$\begin{array}{llllllllllllllllllllllllllllllllllll$	Settling Time	1μs (Typ)
Data Interface SPI  Reference Type External  Voltage - Supply, Analog 2.7 V ~ 3.6 V  Voltage - Supply, Digital 2.7 V ~ 3.6 V  INL/DNL (LSB) $\pm 0.5, \pm 0.5$ Architecture R-2R  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)  Supplier Device Package 8-uMAX	Output Type	Voltage - Unbuffered
Reference TypeExternalVoltage - Supply, Analog $2.7 \text{ V} \sim 3.6 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 3.6 \text{ V}$ INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureR-2ROperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-uMAX	Differential Output	No
Voltage - Supply, Analog 2.7 V $\sim$ 3.6 V Voltage - Supply, Digital 2.7 V $\sim$ 3.6 V INL/DNL (LSB) $\pm$ 0.5, $\pm$ 0.5 Architecture R-2R Operating Temperature -40°C $\sim$ 85°C Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package 8-uMAX	Data Interface	SPI
Voltage - Supply, Digital 2.7 V ~ 3.6 V INL/DNL (LSB) $\pm 0.5, \pm 0.5$ Architecture R-2R Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package 8-uMAX	Reference Type	External
$ \begin{array}{lll} & & & \\ & & & \\ & & $	Voltage - Supply, Analog	2.7 V ~ 3.6 V
Architecture R-2R  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)  Supplier Device Package 8-uMAX	Voltage - Supply, Digital	2.7 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C  Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)  Supplier Device Package 8-uMAX	INL/DNL (LSB)	$\pm 0.5, \pm 0.5$
Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package 8-uMAX	Architecture	R-2R
Supplier Device Package 8-uMAX	Operating Temperature	-40°C ~ 85°C
	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Mounting Type -	Supplier Device Package	8-uMAX
moditing Type	Mounting Type	-
Report errors?		Report errors?

#### MAX5443AEUA+T 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.

## MAX5443AEUA+T Payment Methods



















# MAX5443AEUA+T Shipping Methods













If you have any question about MAX5443AEUA+T, please do not hesitate to contact us!

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