



#### MAX4489AUA+T Information



For Reference Only

Part NumberMAX4489AUA+TManufacturerMaxim IntegratedCategoryIntegrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description**IC OPAMP GP 42MHZ RRO 8UMAX**Package**8-TSSOP, 8-MSOP (0.118", 3.00mm Width)

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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## MAX4489AUA+T Specifications

Manufacturer Part Number       MAX4489AUA+T         Manufacturer       Maxim Integrated         Category       Integrated Circuits (ICs)         Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps         Package       8-TSSOP, 8-MSOP (0.118", 3.00mm Width)         Series       -         Amplifier Type       General Purpose         Number of Circuits       2         Output Type       Rail-to-Rail         Slew Rate       10 V/μs         Gain Bandwidth Product       42MHz         -3db Bandwidth       -         Current - Input Bias       1pA         Voltage - Input Offset       70μV         Current - Supply       2.5mA         Current - Output / Channel       48mA         Voltage - Supply, Single/Dual (±)       2.7 V ~ 5.5 V, ±1.35 V ~ 2.75 V         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount         Package / Case       8-TSSOP, 8-MSOP (0.118", 3.00mm Width)         Sumplier Device Package       8-uMAX		
Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Series         -           Amplifier Type         General Purpose           Number of Circuits         2           Output Type         Rail-to-Rail           Slew Rate         10 V/μs           Gain Bandwidth Product         42MHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         70μV           Current - Output / Channel         48mA           Voltage - Supply, Single/Dual (±)         2.7 V ~ 5.5 V, ±1.35 V ~ 2.75 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Manufacturer Part Number	MAX4489AUA+T
Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps	Manufacturer	Maxim Integrated
Package         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Series         -           Amplifier Type         General Purpose           Number of Circuits         2           Output Type         Rail-to-Rail           Slew Rate         10 V/μs           Gain Bandwidth Product         42MHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         70μV           Current - Supply         2.5mA           Current - Output / Channel         48mA           Voltage - Supply, Single/Dual (±)         2.7 V ~ 5.5 V, ±1.35 V ~ 2.75 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Category	Integrated Circuits (ICs)
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Amplifier Type General Purpose Number of Circuits 2 Cottput Type Rail-to-Rail Slew Rate 10 V/ $\mu$ s Gain Bandwidth Product 42MHz -3db Bandwidth - Current - Input Bias 1pA Voltage - Input Offset 70 $\mu$ V Current - Supply 2.5mA Current - Output / Channel 48mA Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 5.5 V, $\pm$ 1.35 V ~ 2.75 V Operating Temperature 40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
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Output Type Rail-to-Rail  Slew Rate 10 V/ $\mu$ s  Gain Bandwidth Product 42MHz  -3db Bandwidth  - Current - Input Bias 1pA  Voltage - Input Offset 70 $\mu$ V  Current - Supply 2.5mA  Current - Output / Channel 48mA  Voltage - Supply, Single/Dual (±) 2.7 V ~ 5.5 V, ±1.35 V ~ 2.75 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Amplifier Type	General Purpose
Slew Rate $10 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $42 \text{MHz}$ $-3 \text{db Bandwidth}$ $- \text{Current - Input Bias}$ $1 \text{pA}$ $Voltage - Input Offset$ $70 \mu \text{V}$ $Current - Supply$ $2.5 \text{mA}$ $Current - Output / Channel$ $48 \text{mA}$ $Voltage - Supply, Single/Dual (±)$ $2.7 \text{ V} \sim 5.5 \text{ V}, \pm 1.35 \text{ V} \sim 2.75 \text{ V}$ $Operating Temperature$ $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ $Mounting Type$ $Surface Mount$ $Package / Case$ $8-TSSOP, 8-MSOP (0.118", 3.00 \text{mm Width})$	Number of Circuits	2
Gain Bandwidth Product 42MHz  -3db Bandwidth -  Current - Input Bias 1pA  Voltage - Input Offset 70 $\mu$ V  Current - Supply 2.5mA  Current - Output / Channel 48mA  Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 5.5 V, $\pm$ 1.35 V ~ 2.75 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Output Type	Rail-to-Rail
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Slew Rate	10 V/μs
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Gain Bandwidth Product	42MHz
Voltage - Input Offset	-3db Bandwidth	-
Current - Supply $2.5 mA$ Current - Output / Channel $48 mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.7 \text{ V} \sim 5.5 \text{ V}, \pm 1.35 \text{ V} \sim 2.75 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-TSSOP}, 8\text{-MSOP}$ ( $0.118\text{"}, 3.00 mm$ Width)	Current - Input Bias	1pA
Current - Output / Channel $48mA$ Voltage - Supply, Single/Dual (±) $2.7 \text{ V} \sim 5.5 \text{ V}, \pm 1.35 \text{ V} \sim 2.75 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $8\text{-TSSOP}, 8\text{-MSOP} (0.118", 3.00mm \text{ Width})$	Voltage - Input Offset	70μV
Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 5.5 V, $\pm$ 1.35 V ~ 2.75 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Current - Supply	2.5mA
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Current - Output / Channel	48mA
Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Voltage - Supply, Single/Dual (±)	2.7 V ~ 5.5 V, ±1.35 V ~ 2.75 V
Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Operating Temperature	-40°C ~ 125°C
•	Mounting Type	Surface Mount
Supplier Device Package 8-uMAX	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Supplied Device I deliage	Supplier Device Package	8-uMAX
Report errors		Report errors?

#### MAX4489AUA+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.

### MAX4489AUA+T Payment Methods



















# MAX4489AUA+T Shipping Methods













If you have any question about MAX4489AUA+T, please do not hesitate to contact us!

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