



#### **TS1872AIPT Information**



For Reference Only

Part Number TS1872AIPT

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 1.8MHZ RRO 8TSSOP **Package** 8-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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



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## **TS1872AIPT Specifications**

Manufacturer Part Number     TS1872AIPT       Manufacturer     STMicroelectronics       Category     Integrated Circuits (ICs)       Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps       Package     8-TSSOP (0.173", 4.40mm Width)       Series     -       Amplifier Type     General Purpose       Number of Circuits     2       Output Type     Rail-to-Rail       Slew Rate     0.6 V/µs       Gain Bandwidth Product     1.8MHz       -3db Bandwidth     -       Current - Input Bias     70nA       Voltage - Input Offset     100µV       Current - Supply     500µA       Voltage - Supply, Single/Dual (±)     1.8 V ~ 6 V       Operating Temperature     -40°C ~ 125°C       Mounting Type     Surface Mount       Package / Case     8-TSSOP (0.173", 4.40mm Width)       Supplier Device Package     8-TSSOP (0.173", 4.40mm Width)		
Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-TSSOP (0.173", 4.40mm Width)           Series         -           Amplifier Type         General Purpose           Number of Circuits         2           Output Type         Rail-to-Rail           Slew Rate         0.6 V/μs           Gain Bandwidth Product         1.8MHz           -3db Bandwidth         -           Current - Input Bias         70nA           Voltage - Input Offset         100μV           Current - Supply         500μA           Current - Output / Channel         80mA           Voltage - Supply, Single/Dual (±)         1.8 V ~ 6 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         8-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         8-TSSOP	Manufacturer Part Number	TS1872AIPT
Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage8-TSSOP (0.173", 4.40mm Width)Series-Amplifier TypeGeneral PurposeNumber of Circuits2Output TypeRail-to-RailSlew Rate0.6 V/μsGain Bandwidth Product1.8MHz-3db Bandwidth-Current - Input Bias70nAVoltage - Input Offset100μVCurrent - Supply500μACurrent - Output / Channel80mAVoltage - Supply, Single/Dual (±)1.8 V ~ 6 VOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP (0.173", 4.40mm Width)Supplier Device Package8-TSSOP	Manufacturer	STMicroelectronics
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Series-Amplifier TypeGeneral PurposeNumber of Circuits2Output TypeRail-to-RailSlew Rate $0.6 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $1.8\text{MHz}$ -3db Bandwidth-Current - Input Bias $70\text{nA}$ Voltage - Input Offset $100\mu\text{V}$ Current - Supply $500\mu\text{A}$ Current - Output / Channel $80\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.8 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-TSSOP} (0.173", 4.40\text{mm Width})$ Supplier Device Package $8\text{-TSSOP}$		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
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Number of Circuits2Output TypeRail-to-RailSlew Rate $0.6 \text{ V/μs}$ Gain Bandwidth Product $1.8\text{MHz}$ -3db Bandwidth-Current - Input Bias $70\text{nA}$ Voltage - Input Offset $100\mu\text{V}$ Current - Supply $500\mu\text{A}$ Current - Output / Channel $80\text{mA}$ Voltage - Supply, Single/Dual (±) $1.8 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-TSSOP} (0.173", 4.40\text{mm Width})$ Supplier Device Package $8\text{-TSSOP}$	Series	-
Output Type Rail-to-Rail  Slew Rate $0.6 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $1.8\text{MHz}$ -3db Bandwidth  - Current - Input Bias $70\text{nA}$ Voltage - Input Offset $100\mu\text{V}$ Current - Supply $500\mu\text{A}$ Current - Output / Channel $80\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.8 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $8$ -TSSOP $(0.173^{\circ}, 4.40\text{mm Width})$ Supplier Device Package $8$ -TSSOP	Amplifier Type	General Purpose
Slew Rate 0.6 V/ $\mu$ s 1.8MHz 1.8MHz -3db Bandwidth Product 1.8MHz - Current - Input Bias 70nA Voltage - Input Offset 100 $\mu$ V Current - Supply 500 $\mu$ A Current - Output / Channel 80mA Voltage - Supply, Single/Dual ( $\pm$ ) 1.8 V ~ 6 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-TSSOP (0.173", 4.40mm Width) Supplier Device Package 8-TSSOP	Number of Circuits	2
Gain Bandwidth Product $1.8 \text{MHz}$ -3db Bandwidth-Current - Input Bias $70 \text{nA}$ Voltage - Input Offset $100 \mu \text{V}$ Current - Supply $500 \mu \text{A}$ Current - Output / Channel $80 \text{mA}$ Voltage - Supply, Single/Dual (±) $1.8 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40 ^{\circ}\text{C} \sim 125 ^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-TSSOP}$ (0.173", 4.40mm Width)Supplier Device Package $8\text{-TSSOP}$	Output Type	Rail-to-Rail
$-3 db \ Bandwidth \\ -Current - Input \ Bias \\ 70 nA \\ Voltage - Input \ Offset \\ 100 \mu V \\ Current - Supply \\ 500 \mu A \\ Current - Output / Channel \\ 80 mA \\ Voltage - Supply, Single/Dual (\pm) 1.8 \ V \sim 6 \ V \\ Operating \ Temperature \\ -40^{\circ}C \sim 125^{\circ}C \\ Mounting \ Type \\ Surface \ Mount \\ Package / Case \\ 8-TSSOP (0.173'', 4.40mm \ Width) \\ Supplier \ Device \ Package \\ 8-TSSOP$	Slew Rate	0.6 V/μs
Current - Input Bias 70nA  Voltage - Input Offset 100 $\mu$ V  Current - Supply 500 $\mu$ A  Current - Output / Channel 80mA  Voltage - Supply, Single/Dual ( $\pm$ ) 1.8 V ~ 6 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 8-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 8-TSSOP	Gain Bandwidth Product	1.8MHz
Voltage - Input Offset $100\mu V$ Current - Supply $500\mu A$ Current - Output / Channel $80mA$ Voltage - Supply, Single/Dual (±) $1.8 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-TSSOP}$ (0.173", 4.40mm Width)Supplier Device Package $8\text{-TSSOP}$	-3db Bandwidth	-
Current - Supply $500\mu A$ Current - Output / Channel $80mA$ Voltage - Supply, Single/Dual (±) $1.8 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $8\text{-TSSOP}$ $(0.173^{\circ}\text{H}, 4.40mm \text{ Width})$ Supplier Device Package $8\text{-TSSOP}$	Current - Input Bias	70nA
Current - Output / Channel $80mA$ Voltage - Supply, Single/Dual (±) $1.8 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-TSSOP}$ ( $0.173^{\circ}$ , $4.40\text{mm}$ Width)Supplier Device Package $8\text{-TSSOP}$	Voltage - Input Offset	$100\mu V$
Voltage - Supply, Single/Dual ( $\pm$ ) 1.8 V ~ 6 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 8-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 8-TSSOP	Current - Supply	500μΑ
Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  8-TSSOP (0.173", 4.40mm Width)  Supplier Device Package  8-TSSOP	Current - Output / Channel	80mA
Mounting Type Surface Mount Package / Case 8-TSSOP (0.173", 4.40mm Width) Supplier Device Package 8-TSSOP	Voltage - Supply, Single/Dual (±)	1.8 V ~ 6 V
Package / Case 8-TSSOP (0.173", 4.40mm Width) Supplier Device Package 8-TSSOP	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 8-TSSOP	Mounting Type	Surface Mount
	Package / Case	8-TSSOP (0.173", 4.40mm Width)
Report errors?	Supplier Device Package	8-TSSOP
		Report errors?

#### **TS1872AIPT 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.

# **TS1872AIPT Payment Methods**



















## **TS1872AIPT Shipping Methods**













If you have any question about TS1872AIPT, please do not hesitate to contact us!

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