



### **TSV612AIDT Information**

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For Reference Only

Part Number TSV612AIDT

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 120KHZ RRO 8SO **Package** 8-SOIC (0.154", 3.90mm 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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# **TSV612AIDT Specifications**

Manufacturer Part Number       TSV612AIDT         Manufacturer       STMicroelectronics         Category       Integrated Circuits (ICs)         Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps         Package       8-SOIC (0.154", 3.90mm Width)         Series       -         Amplifier Type       General Purpose         Number of Circuits       2         Output Type       Rail-to-Rail         Slew Rate       0.04 V/μs         Gain Bandwidth Product       120kHz         -3db Bandwidth       -         Current - Input Bias       1pA         Voltage - Input Offset       800μV         Current - Supply       10.5μA         Current - Output / Channel       63mA         Voltage - Supply, Single/Dual (±)       1.5 V ~ 5.5 V         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount	-	
Category       Integrated Circuits (ICs)         Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps         Package       8-SOIC (0.154", 3.90mm Width)         Series       -         Amplifier Type       General Purpose         Number of Circuits       2         Output Type       Rail-to-Rail         Slew Rate       0.04 V/μs         Gain Bandwidth Product       120kHz         -3db Bandwidth       -         Current - Input Bias       1pA         Voltage - Input Offset       800μV         Current - Supply       10.5μA         Current - Output / Channel       63mA         Voltage - Supply, Single/Dual (±)       1.5 V ~ 5.5 V         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount	Manufacturer Part Number	TSV612AIDT
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Package 8-SOIC (0.154", 3.90mm Width)   Series -   Amplifier Type General Purpose   Number of Circuits 2   Output Type Rail-to-Rail   Slew Rate 0.04 V/μs   Gain Bandwidth Product 120kHz   -3db Bandwidth -   Current - Input Bias 1pA   Voltage - Input Offset 800μV   Current - Supply 10.5μA   Current - Output / Channel 63mA   Voltage - Supply, Single/Dual (±) 1.5 V ~ 5.5 V   Operating Temperature -40°C ~ 85°C   Mounting Type Surface Mount	Category	Integrated Circuits (ICs)
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Amplifier Type General Purpose Number of Circuits 2   Output Type Rail-to-Rail   Slew Rate $0.04 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $120\text{kHz}$ -3db Bandwidth   - Current - Input Bias IpA   Voltage - Input Offset $800\mu\text{V}$ Current - Supply $10.5\mu\text{A}$ Current - Output / Channel $63\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.5 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount	Package	8-SOIC (0.154", 3.90mm Width)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Series	-
Output Type Rail-to-Rail  Slew Rate 0.04 V/ $\mu$ s  Gain Bandwidth Product 120kHz  -3db Bandwidth -  Current - Input Bias 1pA  Voltage - Input Offset 800 $\mu$ V  Current - Supply 10.5 $\mu$ A  Current - Output / Channel 63mA  Voltage - Supply, Single/Dual ( $\pm$ ) 1.5 V ~ 5.5 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount	Amplifier Type	General Purpose
Slew Rate $0.04 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $120\text{kHz}$ -3db Bandwidth  Current - Input Bias $1\text{pA}$ Voltage - Input Offset $800\mu\text{V}$ Current - Supply $10.5\mu\text{A}$ Current - Output / Channel $63\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.5 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount	Number of Circuits	2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Output Type	Rail-to-Rail
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Slew Rate	0.04 V/μs
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Gain Bandwidth Product	120kHz
$Voltage - Input Offset \\ 800 \mu V \\ Current - Supply \\ 10.5 \mu A \\ Current - Output / Channel \\ 63mA \\ Voltage - Supply, Single/Dual (\pm) 1.5 \text{ V} \sim 5.5 \text{ V} \\ Operating Temperature \\ -40^{\circ}\text{C} \sim 85^{\circ}\text{C} \\ Mounting Type \\ Surface Mount$	-3db Bandwidth	-
Current - Supply $10.5\mu A$ Current - Output / Channel $63mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.5 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount	Current - Input Bias	1pA
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Voltage - Supply, Single/Dual ( $\pm$ ) 1.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount	Current - Supply	10.5μΑ
Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount	Current - Output / Channel	63mA
Mounting Type Surface Mount	Voltage - Supply, Single/Dual (±)	1.5 V ~ 5.5 V
	Operating Temperature	-40°C ~ 85°C
0.0070 (0.474) 0.00 (0.474)	Mounting Type	Surface Mount
Package / Case 8-SOIC (0.154", 3.90mm Width)	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package 8-SO	Supplier Device Package	8-SO
Report errors		Report errors?

#### **TSV612AIDT 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.

# **TSV612AIDT Payment Methods**



















### **TSV612AIDT Shipping Methods**













If you have any question about TSV612AIDT, please do not hesitate to contact us!

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