



#### **TSH112IDT Information**



For Reference Only

Part Number TSH112IDT

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP CFA 100MHZ 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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## **TSH112IDT Specifications**

Manufacturer Part Number       TSH112IDT         Manufacturer       STMicroelectronics         Category       Integrated Circuits (ICs)         Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps         Package       8-SOIC (0.154", 3.90mm Width)         Series       -         Amplifier Type       Current Feedback         Number of Circuits       2         Output Type       -         Slew Rate       450 V/μs         Gain Bandwidth Product       -         -3db Bandwidth       100MHz         Current - Input Bias       3μA         Voltage - Input Offset       900μV         Current - Supply       4mA         Current - Output / Channel       47mA         Voltage - Supply, Single/Dual (±)       5 V ~ 12 V, ±2.5 V ~ 6 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  Current Feedback  Number of Circuits  2 Output Type  - Slew Rate  450 V/µs  Gain Bandwidth Product 3db Bandwidth  100MHz  Current - Input Bias  Voltage - Input Offset  900µV  Current - Supply  4mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  5 V ~ 12 V, ±2.5 V ~ 6 V  Operating Temperature  -40°C ~ 85°C	Manufacturer Part Number	TSH112IDT
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Manufacturer	STMicroelectronics
Package 8-SOIC (0.154", 3.90mm Width)  Series -  Amplifier Type Current Feedback  Number of Circuits 2  Output Type -  Slew Rate 450 V/ $\mu$ s  Gain Bandwidth Product -  -3db Bandwidth 100MHz  Current - Input Bias 3 $\mu$ A  Voltage - Input Offset 900 $\mu$ V  Current - Supply 4mA  Current - Output / Channel 47mA  Voltage - Supply, Single/Dual ( $\pm$ ) 5 V ~ 12 V, $\pm$ 2.5 V ~ 6 V  Operating Temperature -40°C ~ 85°C	Category	Integrated Circuits (ICs)
Series - Current Feedback - Current Feedback - Number of Circuits 2 - Output Type - Slew Rate 450 V/ $\mu$ s - Gain Bandwidth Product 3db Bandwidth 100MHz - Current - Input Bias 3 $\mu$ A - Voltage - Input Offset 900 $\mu$ V - Current - Output / Channel 47mA - Voltage - Supply, Single/Dual ( $\pm$ ) 5 V ~ 12 V, $\pm$ 2.5 V ~ 6 V - 40°C ~ 85°C		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type Current Feedback  Number of Circuits 2  Output Type - Slew Rate $450 \text{ V/}\mu\text{s}$ Gain Bandwidth Product3db Bandwidth 100MHz  Current - Input Bias $3\mu\text{A}$ Voltage - Input Offset $900\mu\text{V}$ Current - Supply $4\text{mA}$ Current - Output / Channel $47\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Package	8-SOIC (0.154", 3.90mm Width)
Number of Circuits 2 Output Type - Slew Rate 450 V/ $\mu$ s Gain Bandwidth Product3db Bandwidth 100MHz Current - Input Bias 3 $\mu$ A Voltage - Input Offset 900 $\mu$ V Current - Supply 4mA Current - Output / Channel 47mA Voltage - Supply, Single/Dual ( $\pm$ ) 5 V ~ 12 V, $\pm$ 2.5 V ~ 6 V Operating Temperature -40°C ~ 85°C	Series	-
Output Type - Slew Rate $450 \text{ V/}\mu\text{s}$ Gain Bandwidth Product 3db Bandwidth $100\text{MHz}$ Current - Input Bias $3\mu\text{A}$ Voltage - Input Offset $900\mu\text{V}$ Current - Supply $4\text{mA}$ Current - Output / Channel $47\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Amplifier Type	Current Feedback
Slew Rate $450 \text{ V/}\mu\text{s}$ Gain Bandwidth Product3db Bandwidth $100 \text{MHz}$ Current - Input Bias $3\mu\text{A}$ Voltage - Input Offset $900\mu\text{V}$ Current - Supply $4\text{mA}$ Current - Output / Channel $47\text{mA}$ Voltage - Supply, Single/Dual (±) $5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Number of Circuits	2
Gain Bandwidth Product - 3db Bandwidth Product 100MHz  Current - Input Bias 3 $\mu$ A  Voltage - Input Offset 900 $\mu$ V  Current - Supply 4mA  Current - Output / Channel 47mA  Voltage - Supply, Single/Dual (±) 5 V ~ 12 V, ±2.5 V ~ 6 V  Operating Temperature -40°C ~ 85°C	Output Type	-
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Slew Rate	450 V/μs
Current - Input Bias $3\mu A$ Voltage - Input Offset $900\mu V$ Current - Supply $4mA$ Current - Output / Channel $47mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $5 V \sim 12 V$ , $\pm 2.5 V \sim 6 V$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$	Gain Bandwidth Product	-
Voltage - Input Offset	-3db Bandwidth	100MHz
Current - Supply $4mA$ Current - Output / Channel $47mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Current - Input Bias	3μΑ
Current - Output / Channel $47mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Voltage - Input Offset	900μV
Voltage - Supply, Single/Dual ( $\pm$ ) 5 V ~ 12 V, $\pm$ 2.5 V ~ 6 V Operating Temperature -40°C ~ 85°C	Current - Supply	4mA
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Current - Output / Channel	47mA
	Voltage - Supply, Single/Dual (±)	5 V ~ 12 V, ±2.5 V ~ 6 V
Mounting Type Surface Mount	Operating Temperature	-40°C ~ 85°C
0 11	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 error		Report errors?

#### **TSH112IDT 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.

## **TSH112IDT Payment Methods**



















### **TSH112IDT Shipping Methods**













If you have any question about TSH112IDT, please do not hesitate to contact us!

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