

**TSC102IYDT Information**


For Reference Only

**Part Number** [TSC102IYDT](#)  
**Manufacturer** STMicroelectronics  
**Category** Integrated Circuits (ICs)  
[Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps](#)  
**Description** IC OPAMP CURRENT SENSE 1MHZ 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](mailto: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.


**TSC102IYDT Specifications**

|   |  |
|---|--|
| Manufacturer Part Number                | <a href="#">TSC102IYDT</a>   |
| Manufacturer                            | STMicroelectronics   |
| Category                                | Integrated Circuits (ICs)<br><a href="#">Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps</a> |
| Package                                 | 8-SOIC (0.154", 3.90mm Width)  |
| Series                                  | Automotive, AEC-Q100   |
| Amplifier Type                          | Current Sense  |
| Number of Circuits                      | 2  |
| Output Type                             | -  |
| Slew Rate                               | 0.4 V/ $\mu$ s   |
| Gain Bandwidth Product                  | 1MHz   |
| -3db Bandwidth                          | 800kHz   |
| Current - Input Bias                    | 10pA   |
| Voltage - Input Offset                  | 3.5mV  |
| Current - Supply                        | 420 $\mu$ A  |
| Current - Output / Channel              | 30mA   |
| Voltage - Supply, Single/Dual ( $\pm$ ) | 3.5 V ~ 5.5 V  |
| Operating Temperature                   | -40°C ~ 125°C  |
| Mounting Type                           | Surface Mount  |
| Package / Case                          | 8-SOIC (0.154", 3.90mm Width)  |
| Supplier Device Package                 | 8-SO   |

[Report errors?](#)

## TSC102IYDT 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.

## TSC102IYDT Payment Methods



## TSC102IYDT Shipping Methods



If you have any question about TSC102IYDT, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)