



TSC1031IYDT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | TSC1031IYDT                                                                                                  |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC OPAMP CURR SENSE 700KHZ 8SO                                                                               |
| Datasheets:         |  TSC1031IYDT.pdf            |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

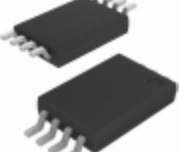
Specifications of TSC1031IYDT

|                                   |                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------|
| PART NUMBER                       | TSC1031IYDT                                                                                         |
| MANUFACTURER                      | STMicroelectronics                                                                                  |
| DESCRIPTION                       | IC OPAMP CURR SENSE 700KHZ 8SO                                                                      |
| LEAD FREE STATUS / ROHS STATUS    | Lead free / RoHS Compliant                                                                          |
| DATA SHEET                        |  TSC1031IYDT.pdf |
| VOLTAGE - SUPPLY, SINGLE/DUAL (±) | 2.7 V ~ 5.5 V, ±1.35 V ~ 2.75 V                                                                     |
| VOLTAGE - INPUT OFFSET            | 500µV                                                                                               |
| SUPPLIER DEVICE PACKAGE           | 8-SO                                                                                                |
| SLEW RATE                         | 0.6 V/µs                                                                                            |
| SERIES                            | Automotive, AEC-Q100                                                                                |
| PACKAGING                         | Tape & Reel (TR)                                                                                    |
| PACKAGE / CASE                    | 8-SOIC (0.154", 3.90mm Width)                                                                       |
| OUTPUT TYPE                       | -                                                                                                   |
| OTHER NAMES                       | 497-10693-2                                                                                         |
| OPERATING TEMPERATURE             | -40°C ~ 125°C                                                                                       |
| NUMBER OF CIRCUITS                | 1                                                                                                   |
| MOUNTING TYPE                     | Surface Mount                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL)  | 1 (Unlimited)                                                                                       |
| MANUFACTURER STANDARD LEAD TIME   | 38 Weeks                                                                                            |
| LEAD FREE STATUS / ROHS STATUS    | Lead free / RoHS Compliant                                                                          |
| DETAILED DESCRIPTION              | Current Sense Amplifier 1 Circuit 8-SO                                                              |
| CURRENT - SUPPLY                  | 200µA                                                                                               |
| CURRENT - OUTPUT / CHANNEL        | 26mA                                                                                                |
| CURRENT - INPUT BIAS              | 10µA                                                                                                |
| BASE PART NUMBER                  | TSC103                                                                                              |
| AMPLIFIER TYPE                    | Current Sense                                                                                       |
| -3DB BANDWIDTH                    | 700kHz                                                                                              |

Related Tags

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Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>TSC1031IYPT</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC OPAMP CURR SENS 700KHZ 8TSSOP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>TSC102IPT</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC OPAMP CURR SENSE 1MHZ 8TSSOP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>TSC1031IDT</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC OPAMP CURR SENSE 700KHZ 8SO<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>TSC102IYPT</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC OPAMP CURR SENSE 1MHZ 8TSSOP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>TSC103IYPT</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC OPAMP CURR SENS 700KHZ 8TSSOP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>TSC103ID</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC OPAMP CURR SENSE 700KHZ 8SO<br/>In stock: Out stock<br/><div>RFQ</div></div>     |
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|  <div><b>TSC103IPT</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC OPAMP CURR SENS 700KHZ 8TSSOP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>TSC102IYDT</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC OPAMP CURRENT SENSE 1MHZ 8SO<br/>In stock: Out stock<br/><div>RFQ</div></div>  |