



Energy Micro (Silicon Labs)



TS9002IM8

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | TS9002IM8                                                                                                    |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC COMPARATOR DUAL 8MSOP                                                                                     |
| Datasheets:         |  TS9002IM8.pdf              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of TS9002IM8

|                                   |                                                                                                   |
|-----------------------------------|---------------------------------------------------------------------------------------------------|
| PART NUMBER                       | TS9002IM8                                                                                         |
| MANUFACTURER                      | Energy Micro (Silicon Labs)                                                                       |
| DESCRIPTION                       | IC COMPARATOR DUAL 8MSOP                                                                          |
| LEAD FREE STATUS / ROHS STATUS    | Lead free / RoHS Compliant                                                                        |
| DATA SHEET                        |  TS9002IM8.pdf |
| VOLTAGE - SUPPLY, SINGLE/DUAL (±) | 2.5 V ~ 11 V, ±1.25 V ~ 5.5 V                                                                     |
| VOLTAGE - INPUT OFFSET (MAX)      | 3.5mV @ 2.5V                                                                                      |
| TYPE                              | with Voltage Reference                                                                            |
| SUPPLIER DEVICE PACKAGE           | 8-MSOP                                                                                            |
| SERIES                            | NanoWatt Analog™                                                                                  |
| PROPAGATION DELAY (MAX)           | 7µs                                                                                               |
| PACKAGING                         | Strip                                                                                             |
| PACKAGE / CASE                    | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)                                                            |
| OUTPUT TYPE                       | CMOS, Complementary, TTL                                                                          |
| OPERATING TEMPERATURE             | -40°C ~ 85°C                                                                                      |
| NUMBER OF ELEMENTS                | 2                                                                                                 |
| MOUNTING TYPE                     | Surface Mount                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL)  | 1 (Unlimited)                                                                                     |
| LEAD FREE STATUS / ROHS STATUS    | Lead free / RoHS Compliant                                                                        |
| HYSTERESIS                        | 50mV                                                                                              |
| DETAILED DESCRIPTION              | Comparator with Voltage Reference CMOS, Complementary, TTL 8-MSOP                                 |
| CURRENT - QUIESCENT (MAX)         | 4µA                                                                                               |
| CURRENT - OUTPUT (TYP)            | 40mA                                                                                              |
| CURRENT - INPUT BIAS (MAX)        | 10pA @ 2.5V                                                                                       |
| CMRR, PSRR (TYP)                  | 80dB CMRR, 80dB PSRR                                                                              |
| BASE PART NUMBER                  | TS9002                                                                                            |

Related Tags

|                                       |                                      |                                           |
|---------------------------------------|--------------------------------------|-------------------------------------------|
| Energy Micro (Silicon Labs) TS9002IM8 | TS9002IM8 Distributor                | TS9002IM8 Supplier                        |
| TS9002IM8 Price                       | TS9002IM8 Pictures                   | TS9002IM8 Image                           |
| TS9002IM8 PDF Datasheet               | TS9002IM8 Download Datasheet         | TS9002IM8 Datasheet                       |
| TS9002IM8 Stock                       | Buy TS9002IM8                        | Buy Energy Micro (Silicon Labs) TS9002IM8 |
| Energy Micro (Silicon Labs) TS9002IM8 | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor   |
| Energy Micro (Silicon Labs) TS9002IM8 | Energy Micro TS9002IM8               | Energy Micro (Silicon Labs) TS9002IM8     |
| Silicon Laboratories TS9002IM8        | Silicon Labs TS9002IM8               |                                           |

Related Products

|                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>TS9002IM8T</b><br/>Manufacturers: Touchstone Semiconductor<br/>Description: IC COMP DUAL CMOS TTL 8MSOP<br/>In stock: Out stock<br/><div>RFQ</div></div>       |  <div><b>TS9002IM8T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC COMPARATOR DUAL 8MSOP<br/>In stock: Out stock<br/><div>RFQ</div></div>        |
|  <div><b>TS9001-11J5T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC COMPARATOR REF P-P SC70-5<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>TS9001-21J5T</b><br/>Manufacturers: Touchstone Semiconductor<br/>Description: IC COMP 1.6V SNGL W/REF SC70-5<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>TS9001-21J5</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC COMPARATOR REF O-D SC70-5<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>TS9004ISN16</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC COMPARATOR QUAD P-P 16SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>TS9004ISN16T</b><br/>Manufacturers: Touchstone Semiconductor<br/>Description: IC COMP QUAD CMOS TTL 16SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>TS9004ISN16T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC COMPARATOR QUAD P-P 16SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>TS9001-11J5T</b><br/>Manufacturers: Touchstone Semiconductor<br/>Description: IC COMP 1.6V SNGL W/REF SC70-5<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>TS9001-21J5T</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC COMPARATOR REF O-D SC70-5<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>TS9001DB</b><br/>Manufacturers: Touchstone Semiconductor<br/>Description: BOARD EVAL COMPARATOR TS9001<br/>In stock: Out stock<br/><div>RFQ</div></div>        |  <div><b>TS9004DB</b><br/>Manufacturers: Touchstone Semiconductor<br/>Description: BOARD EVAL COMPARATOR TS9004<br/>In stock: 5 pcs<br/><div>RFQ</div></div>             |