431 Device Nomenclature

ATL431LIA IDBZR

Part Number

Accuracy Grade

Operating Temperature Range

Reel

Packages

(Varies by GPN selected)

Refer to the Packages section below for more details.

431 Family of Devices

<table>
<thead>
<tr>
<th>Device</th>
<th>Vref (typ)</th>
<th>Vka (max)</th>
<th>Ika (min)</th>
<th>Ika (max)</th>
<th>Iref (max)</th>
<th>I(dev) (max)</th>
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<tbody>
<tr>
<td>ATL431/2LI</td>
<td>2.5V</td>
<td>36V</td>
<td>100µA</td>
<td>100mA</td>
<td>0.4µA</td>
<td>0.3µA</td>
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<tr>
<td>ATL431/2</td>
<td>2.5V</td>
<td>36V</td>
<td>35µA</td>
<td>100mA</td>
<td>150mA</td>
<td>50nA</td>
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<td>TL431/2LI</td>
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<td>36V</td>
<td>1mA</td>
<td>15mA</td>
<td>0.4µA</td>
<td>0.3µA</td>
</tr>
<tr>
<td>TL431/2</td>
<td>2.5V</td>
<td>36V</td>
<td>1mA</td>
<td>100mA</td>
<td>4µA</td>
<td>2.5µA</td>
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<tr>
<td>LM431</td>
<td>2.5V</td>
<td>36V</td>
<td>1mA</td>
<td>100mA</td>
<td>4µA</td>
<td>1.2µA</td>
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<tr>
<td>TLV431/2</td>
<td>1.24V</td>
<td>6V</td>
<td>100µA</td>
<td>15mA</td>
<td>0.5µA</td>
<td>0.5µA</td>
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<td>TLVH431/2</td>
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<td>18V</td>
<td>100µA</td>
<td>70mA</td>
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431 Packages

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<th>Code</th>
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<th>LM431</th>
<th>TLV431/2</th>
<th>LMV431</th>
<th>TLVH431/2</th>
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Design Resources

- Designing with the Improved TL431LI
- Designing with the ATL431LI
- Using the TL431 as a Voltage Comparator
- Setting the Shunt Voltage on a Shunt Regulator
- Understanding Stability Boundary Conditions for TL431
- Flyback Compensation Network Design for TL431
- Video: Shunt reference considerations for optocoupler feedback

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