Zero Temperature Coefficient Current Reference

Description
The HX11BB is a zero temperature coefficient (ZTC) current reference that provides temperature independent currents. Suitable for environments up to 125°C, the HX11BB has both current sink and current sources.

Features
- 153 ppm/°C temperature coefficient
- 3.3V analog supply
- Extended temperature range: -40°C to 125°C
- Dimensions: 148um x 80um (0.012mm²)

Applications
- General current reference

Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Conditions</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog Supply Voltage</td>
<td>±10%</td>
<td>2.97</td>
<td>3.3</td>
<td>3.63</td>
<td>V</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-40</td>
<td>27</td>
<td>125</td>
<td></td>
<td>°C</td>
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<td>Current References</td>
<td></td>
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<td></td>
<td>5</td>
<td>µA</td>
</tr>
<tr>
<td>Current Sink</td>
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<td>5</td>
<td></td>
<td></td>
<td>µA</td>
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<tr>
<td>Current Temperature Coefficient</td>
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<td>153</td>
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<td>ppm/°C</td>
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</tbody>
</table>

For more information about all of products, please visit our website at www.hexiussemi.com