Reliability Data Report
Product Family R597

LTM9001 \ LTM9002 \ LTM9003 \ LTM9004 \ LTM9006 \ LTM9007 \ LTM9008 \ LTM9009 \ LTM9010 \ LTM9011 \ LTM9012 \ LTM9013 \ LTM9100
### OPERATING LIFE TEST

<table>
<thead>
<tr>
<th>PACKAGE TYPE</th>
<th>SAMPLE SIZE</th>
<th>OLDEST DATE CODE</th>
<th>NEWEST DATE CODE</th>
<th>K DEVICE HRS (+125°C)</th>
<th>No. of FAILURES</th>
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### HIGHLY ACCELERATED STRESS TEST AT +130 DEG C / 85% RH

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<th>NEWEST DATE CODE</th>
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### TEMP CYCLE FROM -55 TO 125 DEG C

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<th>NEWEST DATE CODE</th>
<th>K DEVICE CYCLES</th>
<th>No. of FAILURES</th>
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### TEMP CYCLE FROM -40 TO 125 DEG C

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1. Assumes Activation Energy = 1.0 Electron Volts  
2. Failure Rate Equivalent to +55 °C, 60% Confidence Level = 1.89 FITS  
3. Mean Time Between Failure in Years = 60402.97  
4. Assumes 20X Acceleration from 85 °C to +130 °C  

Note 1: 1 FIT = 1 Failure in One Billion Hours.  
Note 2: HAST, Temp Cycle & Thermal Shock are subjected to J-STD-020 MSL Preconditioning.
# Reliability Data Report

Report Number: R597

Report generated on: Thu Aug 16 09:38:59 PDT 2018

## Temp Cycle from -65 to 150 Deg C

<table>
<thead>
<tr>
<th>Package Type</th>
<th>Sample Size</th>
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<th>Newest Date Code</th>
<th>K Device Cycles</th>
<th>No. of Failures</th>
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## Temp Cycle from -40 to 85 Deg C

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<tbody>
<tr>
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<td>1016</td>
<td>1111</td>
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## Thermal Shock from -65 to 150 Deg C

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<th>SAMPLE SIZE</th>
<th>OLDEST DATE CODE</th>
<th>NEWEST DATE CODE</th>
<th>No. of FAILURES</th>
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</tbody>
</table>

(5) Board Mount Temp Cycle Meets IPC-9701 / JESD22-A104.
(6) Board Mount Temp Cycle Includes Full Electrical Characterization, XRAY & Cross-sections.
(7) Each Board Mounted Vehicle is Cycled up to 2000 Times or More.