



5/18/2009

RELIABILITY MONITOR REPORT
FOR

TQFP Package

MAXIM Integrated Products

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Sunnyvale, CA 94086

This Report was prepared by
Maxim Reliability Engineering

Summary:

The data in the tables that follow was generated as the result of an on-going Package Reliability Monitor. The specific assemblies included in this package monitor are:

| ASSY SITE | PINS PACKAGE |
|-----------|-------------------|
| Carsem-S | 48 TQFP (Pb-Free) |

The calculated failure rate for this assembly is:

The parameters used to calculate this failure rate are as follows:

Cf: 60% **Ea: 0.7** **Tu: 25 °C**

The reliability data follows. At the start of this data is a description of the assembly vehicle used to generate this reliability data. The next section is the detailed reliability data for each stress. The reliability data section includes the latest data available. This report covers data between .

Assembly Information:

Package Type: TQFP (Pb-Free)
Date Code Range: 0730 to 0751

STORAGE LIFE

| DESCRIPTION | DATE CODE | TEST VEHICLE | CONDITION | READPOINT | QUANTITY | FAILS | FA NO |
|--------------|-----------|--------------|-----------|---------------|----------|----------|-------|
| STORAGE LIFE | 0730 | MAX1308ECM+ | 150C | 1000 HRS | 45 | 0 | |
| | | | | Total: | | 0 | |

TEMPERATURE CYCLE

| DESCRIPTION | DATE CODE | TEST VEHICLE | CONDITION | READPOINT | QUANTITY | FAILS | FA NO |
|--------------------------------|-----------|--------------|--------------|---------------|----------|----------|-------|
| TEMP CYCLE, 5' RAMP, 10' DWELL | 0747 | MAX1313ECM+ | -65C TO 150C | 1000 CYS | 80 | 0 | |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 0751 | MAX1312ECM+ | -65C TO 150C | 1000 CYS | 80 | 0 | |
| | | | | Total: | | 0 | |