



4/13/2009

RELIABILITY MONITOR REPORT  
FOR

**iButton Package**

**MAXIM Integrated Products**

120 San Gabriel Dr.  
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	
Batangas Assembly	2	Puk Can F50 Insert Mold Bump Humidity w-SMT Crystal (RoHS)	Fastech-8 2 Puk Can F50 Insert Mold Bump, Battery w-SMT Crystal (RoHS)

Note: Due to the nature of the construction on this assembly, there is no operating life data collected.

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 10/1/2007 and 9/30/2008.

**Assembly Information:**

Package Type: iButton IM (RoHS)  
 Flammability: UL 94-V0  
 Date Code Range: 0739 to 0804

**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	0739	DS1955B5	85 C	1000 HRS	77	0	
STORAGE LIFE	0739	DS1955B5	85 C	1000 HRS	77	0	
STORAGE LIFE	0739	DS1955B5	85 C	1000 HRS	77	0	
<b>Total:</b>						<b>0</b>	

**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	DS1955B5	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	DS1955B5	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	DS1955B5	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	DS1955B5	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	DS1955B5	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	DS1955B5	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0804	DS1923	-40 TO 85C	2000 CYS	77	0	
<b>Total:</b>						<b>0</b>	