



5/9/2009

RELIABILITY MONITOR REPORT
FOR

Module 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	ASSY SITE	PINS	PACKAGE
Batangas Assembly	28	Module (Pb-Free)	Batangas Assembly	32	Module (Pb-Free)

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 1/1/2008 and 12/31/2008.

Assembly Information:

Package Type: Module (Pb-Free)
 Flammability: UL 94-V0
 Date Code Range: 0810 to 0818

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	0818	DS1747	85 C	1000 HRS	76	0	
VISUAL INSPECTION			WHISKERS < 50uM		75	0	
STORAGE LIFE	0818	DS1747	85 C	1000 HRS	77	0	
VISUAL INSPECTION			WHISKERS < 50uM		77	0	
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM		77	0	
STORAGE LIFE			85 C	1000 HRS	77	0	
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	0810	DS1230	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0810	DS1230	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0818	DS1747	-40 TO 85C	1000 CYS	77	0	
VISUAL INSPECTION			WHISKERS < 50uM		77	0	
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM		77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL			-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0818	DS1747	-40 TO 85C	1000 CYS	77	0	
VISUAL INSPECTION			WHISKERS < 50uM		77	0	
Total:						0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE	0818	DS1747	85/85, 3.5 VOLTS	1000 HRS	77	0	
VISUAL INSPECTION			WHISKERS < 50uM		73	0	

BIASED MOISTURE	0818	DS1747	85/85, 3.5 VOLTS	1000 HRS	77	0
VISUAL INSPECTION			WHISKERS < 50uM		72	0
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM		76	0
BIASED MOISTURE			85/85, 3.5 VOLTS	1000 HRS	77	0
				Total:		0

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	0810	DS1230	60C/90% R.H.	1000 HRS	77	0	
MOISTURE SOAK	0810	DS1230	60C/90% R.H.	1000 HRS	77	0	
				Total:		0	