



4/13/2009

RELIABILITY MONITOR REPORT
FOR

CSP 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
Dallas-8	8	C2 UBM over 3.0 um Al RDL with 2 Layer Maxfilm Passivation Coating (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 10/1/2007 and 9/30/2008.

Assembly Information:

Package Type: CSP PBO (Pb-Free)
 Flammability: UL 94-V0
 Date Code Range: 0740 to 0740

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	0740	DS2432	150C	1000 HRS	77	0	
STORAGE LIFE	0740	DS2432	150C	1000 HRS	77	0	
STORAGE LIFE	0740	DS2432	150C	1000 HRS	77	0	
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 15' RAMP, 15' DWELL	0740	DS2432	-40C TO +125C	1500 CYS	77	0	
TEMP CYCLE, 15' RAMP, 15' DWELL	0740	DS2432	-40C TO +125C	1500 CYS	77	0	
TEMP CYCLE, 15' RAMP, 15' DWELL	0740	DS2432	-40C TO +125C	1500 CYS	77	0	
Total:						0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE	0740	DS2432	85/85, 5.5 VOLTS	1000 HRS	77	0	
BIASED MOISTURE	0740	DS2432	85/85, 5.5 VOLTS	1000 HRS	77	0	
BIASED MOISTURE	0740	DS2432	85/85, 5.5 VOLTS	1000 HRS	77	0	
Total:						0	