



4/14/2008

**PACKAGE RELIABILITY REPORT  
FOR**

**DS1923, Batangas Assembly, RoHS Compliant,  
No BCB in Streets**

**Maxim Integrated Products**

**4401 South Beltwood Parkway  
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**Conclusion:**

The following qualification successfully meets the quality and reliability standards required of all Maxim packages:

DS1923, Batangas Assembly, RoHS Compliant, No BCB in Streets

In addition, Maxim's continuous reliability monitor program ensures that all outgoing product will continue to meet Maxim's quality and reliability standards. The current status of the reliability monitor program can be viewed at <http://www.maxim-ic.com/TechSupport/dsreliability.html>.

**Package Description:**

A description of this assembly can be found in the product data sheet. You can find the product data sheet at [http://dbserv.maxim-ic.com/l\\_datasheet3.cfm](http://dbserv.maxim-ic.com/l_datasheet3.cfm).

Note: Due to the nature of the construction on this assembly, no operating life data is collected. Please see respective product report(s).

The reliability data follows. Some of the data in this report may be generic. 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. If there are additional assemblies used as part of this report, a description of each will follow which includes the respective reliability data for that assembly. Where appropriate, preconditioning is performed before all stresses and the bond crater test unless otherwise noted. The reliability data section includes the latest data available.

**Assembly Information:**

Assembly Site:	Batangas Assembly
Pin Count:	2
Package Type:	Puk Can F50 Insert Mold Bump Humidity w-SMT Crystal (RoHS)
Body Size:	68
Mold Compound:	FP4527, Henkel/Loctite Underfill Epoxy
Lead Frame:	PCB; FR4
Lead Finish:	High Pb Ball (95/5)
Die Attach:	Underfill FP4527, Dexter Hysol Underfill Epoxy (Blue)
Bond Wire / Size:	NA / NA
Flammability:	UL 94-V0
Moisture Sensitivity:	NA
Date Code Range:	0739 to 0804

**DATE CODE:** 0739      **LOT NUMBER:** MG360684-BATG3A      **VEHICLE:** DS1923

**STORAGE LIFE**

DESCRIPTION	CONDITION	READPOINT	QTY	FAILS	FA#
STORAGE LIFE	85 C	1000 HRS	77	0	
<b>Total:</b>				0	

**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	CONDITION	READPOINT	QTY	FAILS	FA#
MOISTURE SOAK	60C/90% R.H.	1000 HRS	77	0	
<b>Total:</b>				0	

**DATE CODE:** 0741      **LOT NUMBER:** MG360685-BATG4      **VEHICLE:** DS1923

**STORAGE LIFE**

DESCRIPTION	CONDITION	READPOINT	QTY	FAILS	FA#
STORAGE LIFE	85 C	1000 HRS	77	0	
<b>Total:</b>				0	

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**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	CONDITION	READPOINT	QTY	FAILS	FA#
MOISTURE SOAK	60C/90% R.H.	1000 HRS	77	0	
<b>Total:</b>				<b>0</b>	

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**DATE CODE:** 0741      **LOT NUMBER:** MG360686-BATG4A      **VEHICLE:** DS1923

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**STORAGE LIFE**

DESCRIPTION	CONDITION	READPOINT	QTY	FAILS	FA#
STORAGE LIFE	85 C	1000 HRS	77	0	
<b>Total:</b>				<b>0</b>	

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**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	CONDITION	READPOINT	QTY	FAILS	FA#
MOISTURE SOAK	60C/90% R.H.	1000 HRS	77	0	
<b>Total:</b>				<b>0</b>	

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**DATE CODE:** 0803      **LOT NUMBER:** MG361894-QAL1      **VEHICLE:** DS1923

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**TEMPERATURE CYCLE**

DESCRIPTION	CONDITION	READPOINT	QTY	FAILS	FA#
TEMP CYCLE	-40 TO 85C	1500 CYS	77	0	
<b>Total:</b>				<b>0</b>	

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**DATE CODE:** 0803      **LOT NUMBER:** MG361895-QAL1      **VEHICLE:** DS1923

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**TEMPERATURE CYCLE**

DESCRIPTION	CONDITION	READPOINT	QTY	FAILS	FA#
TEMP CYCLE	-40 TO 85C	1500 CYS	77	0	
<b>Total:</b>				<b>0</b>	

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**DATE CODE:** 0804      **LOT NUMBER:** MG361896-QAL1      **VEHICLE:** DS1923

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**TEMPERATURE CYCLE**

DESCRIPTION	CONDITION	READPOINT	QTY	FAILS	FA#
TEMP CYCLE	-40 TO 85C	1500 CYS	77	0	
<b>Total:</b>				<b>0</b>	