

1/24/2019



RELIABILITY MONITOR REPORT  
FOR

**EMGA Package**

**MAXIM INTEGRATED**

160 RIO ROBLES  
SAN JOSE, CA 95134

This Report was prepared by  
**MAXIM INTEGRATED 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
JCAP	10 EMGA

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 10/1/2018 and 12/31/2018.

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**Assembly Information:**

Package Type: EMGA  
Flammability: UL 94-V0  
Date Code Range: to

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**PACKAGE TESTS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
CONVECTION REFLOW		MAXM17552	260C +0/-5C AMB+	PASS	350	0	
CONVECTION REFLOW		MAXM17552	260C +0/-5C AMB+	PASS	350	0	
CONVECTION REFLOW		MAXM17552	260C +0/-5C AMB+	PASS	350	0	
<b>Total:</b>						<b>0</b>	

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**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE		MAXM17552	150°C AMB+	1000 HRS	80	0	
STORAGE LIFE		MAXM17552	150°C AMB+	1000 HRS	80	0	
STORAGE LIFE		MAXM17552	150°C AMB+	1000 HRS	80	0	
<b>Total:</b>						<b>0</b>	

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**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL		MAXM17552	-65C TO +150C (Condition C) AMB+	1000 CYS	78	0	
TEMP CYCLE, 5' RAMP, 10' DWELL		MAXM17552	-65C TO +150C (Condition C) AMB+	1000 CYS	79	0	
TEMP CYCLE, 5' RAMP, 10' DWELL		MAXM17552	-65C TO +150C (Condition C) AMB+	1000 CYS	79	0	
<b>Total:</b>						<b>0</b>	

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**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
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MOISTURE SOAK	MAXM17552 130C, 85% R.H. AMB+	96	HRS	80	0
MOISTURE SOAK	MAXM17552 130C, 85% R.H. AMB+	96	HRS	80	0
MOISTURE SOAK	MAXM17552 130C, 85% R.H. AMB+	96	HRS	80	0
			<b>Total:</b>		<b>0</b>