

10/27/2017



**RELIABILITY MONITOR REPORT  
FOR**

**MFN DM200**

**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 Process Reliability Monitor. The specific products in this process monitor are:

JAHP53081A	MAX14808ETK+	MAX14908ETK+
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The calculated failure rate for devices using this process is:

**FAILURE RATE:    MTTF (YRS): 20735    QUANTITY: 107    FAILS: 0    FITS: 5.5**

The parameters used to calculate this failure rate are as follows:

**Cf: 60%                    Ea: 0.7                    Tu: 25    °C**

The reliability data follows and in this section is the detailed reliability data by stress. The reliability data section includes the latest data available. This report covers data between 7/1/2017 and 9/30/2017 .

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**Process Information:**

Process Description:            MFN DM200

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**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1638	MAX14808ETK+	135°C	1000 HRS	80	0	JAHP53111AB
HIGH TEMP OP LIFE	1714	MAX14908ETK+	135°C	1000 HRS	27	0	JBKJ1U010AB
<b>Total:</b>						<b>0</b>	

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**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1608	JAHP53081A	150°C	1000 HRS	80	0	MAX14808ETK+
STORAGE LIFE	1638	MAX14808ETK+	150°C	1000 HRS	80	0	JAHP53111AB
STORAGE LIFE	1705	MAX14808ETK+	150°C	1000 HRS	80	0	JAHP53129AF
STORAGE LIFE	1714	MAX14908ETK+	150°C	1000 HRS	80	0	JBKJ1U010AB
<b>Total:</b>						<b>0</b>	

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**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1638	MAX14808ETK+	-65C TO +150C (Condition C)	1000 CYS	80	0	JAHP53111AB
TEMP CYCLE, 5' RAMP, 10' DWELL	1705	MAX14808ETK+	-65C TO +150C (Condition C)	1000 CYS	80	0	JAHP53129AF
TEMP CYCLE, 5' RAMP, 10' DWELL	1714	MAX14908ETK+	-65C TO +150C (Condition C)	1000 CYS	80	0	JBKJ1U010AB
<b>Total:</b>						<b>0</b>	

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**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
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BIASED MOISTURE	1714	MAX14908ETK+	130C, 85%	96	HRS	80	0	JBKJ1U010AB
<b>Total:</b>							<b>0</b>	

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**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
MOISTURE SOAK	1608	JAHP53081A	130C, 85%	96	HRS	80	0	MAX14808ETK+
MOISTURE SOAK	1638	MAX14808ETK+	130C, 85%	96	HRS	80	0	JAHP53111AB
MOISTURE SOAK	1705	MAX14808ETK+	130C, 85%	96	HRS	80	0	JAHP53129AF
<b>Total:</b>							<b>0</b>	
<b>FAILURE RATE:</b>	<b>MTTF (YRS): 20735</b>		<b>QUANTITY: 107</b>	<b>FAILS: 0</b>		<b>FITS: 5.5</b>		