

7/10/2017



**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+
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 15503 QUANTITY: 80 FAILS: 0 FITS: 7.4

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 4/1/2017 and 6/30/2017 .

Process Information:

Process Description: MFN DM200

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
Total:						0	

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	1612	MAX14808ETK+	150°C	1000 HRS	80	0	JAHP53089A
STORAGE LIFE	1638	MAX14808ETK+	150°C	1000 HRS	80	0	JAHP53111AB
STORAGE LIFE	1705	MAX14808ETK+	150°C	1000 HRS	80	0	JAHP53129AF
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1612	MAX14808ETK+	-65C TO +150C (Condition C)	500 CYS	80	0	JAHP53089A
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
Total:						0	

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	1612	MAX14808ETK+	130C, 85%	100	HRS	80	0	JAHP53089A
MOISTURE SOAK	1638	MAX14808ETK+	130C, 85%	96	HRS	80	0	JAHP531111AB
MOISTURE SOAK	1705	MAX14808ETK+	130C, 85%	96	HRS	80	0	JAHP53129AF
Total:							0	

FAILURE RATE: **MTTF (YRS): 15503** **QUANTITY: 80** **FAILS: 0** **FITS: 7.4**