

8/1/2019



**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:

MAX14808ETK+	MAX14908ETK+	MAX14988ETK+	MAX4936CTN+
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 61429 QUANTITY: 317 FAILS: 0 FITS: 1.9

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 4/1/2019 and 8/1/2019 .

Process Information:

Process Description: MFN DM200

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1817	MAX14988ETK+	125°C	1000 HRS	77	0	JBFR33048AA
HIGH TEMP OP LIFE	1823	MAX14908ETK+	125°C	1000 HRS	80	0	JBKJ13036AA
HIGH TEMP OP LIFE	1832	MAX4936CTN+	125°C	1000 HRS	80	0	JVWZD3035CX
HIGH TEMP OP LIFE	1911	MAX14808ETK+	125°C	1000 HRS	80	0	JAHP5A243AA
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1817	MAX14988ETK+	150°C	1000 HRS	80	0	JBFR33048AA
STORAGE LIFE	1823	MAX14908ETK+	150°C	1000 HRS	80	0	JBKJ13036AA
STORAGE LIFE	1832	MAX4936CTN+	150°C	1000 HRS	80	0	JVWZD3035CX
STORAGE LIFE	1911	MAX14808ETK+	150°C	1000 HRS	78	0	JAHP5A243AA
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1817	MAX14988ETK+	-65C TO +150C (Condition C)	1000 CYS	80	0	JBFR33048AA
TEMP CYCLE, 5' RAMP, 10' DWELL	1823	MAX14908ETK+	-65C TO +150C (Condition C)	1000 CYS	80	0	JBKJ13036AA
TEMP CYCLE, 5' RAMP, 10' DWELL	1832	MAX4936CTN+	-65C TO +150C (Condition C)	1000 CYS	78	0	JVWZD3035CX

TEMP CYCLE, 5' RAMP, 10' DWELL	1911	MAX14808ETK+	-65C TO +150C (Condition C)	1000	CYS	80	0	JAHP5A243AA
Total:							0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1823	MAX14908ETK+	130C, 85% R.H.	96 HRS	80	0	JBKJ13036AA
BIASED MOISTURE	1832	MAX4936CTN+	130C, 85% R.H.	96 HRS	80	0	JVWZD3035CX
BIASED MOISTURE	1911	MAX14808ETK+	130C, 85% R.H.	96 HRS	80	0	JAHP5A243AA
Total:						0	
FAILURE RATE:	MTTF (YRS): 61429		QUANTITY: 317	FAILS: 0	FITS: 1.9		