



10/8/10

**RELIABILITY MONITOR REPORT
FOR**

MFN 250V Bipolar CMOS DMOS (BCD250)

MAXIM Integrated Products

120 San Gabriel Dr.
Sunnyvale, CA 94086

**This Report was prepared by
Maxim 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:

MAX14803AEW	MAX14803CXB	MAX4802CXZ+
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 9302 QUANTITY: 48 FAILS: 0 FIT 12.3

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 10/1/2009 and 9/30/2010 .

Process Information:

Process Description: MFN 250V Bipolar CMOS DMOS (BCD250)

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	0834	MAX4802CXZ+	135C	1000 HRS	48	0	NEE1HA026Q3
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	0935	MAX14803CXB+	150C	1000 HRS	77	0	NRSWDA004B
STORAGE LIFE	0935	MAX14803CXB+	150C	1000 HRS	77	0	NRSWDA004C
STORAGE LIFE	0935	MAX14803CXB+	150C	1000 HRS	77	0	NRSWDA004D
STORAGE LIFE	N/A	MAX14803AEWZ+T	150C	500 HRS	77	0	NN1YAQ001A
STORAGE LIFE	N/A	MAX14803AEWZ+T	150C	500 HRS	77	0	NN1YAQ001B
STORAGE LIFE	N/A	MAX14803AEWZ+T	150C	500 HRS	77	0	NN1YAQ001C
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	0935	MAX14803CXB+	-65C TO 150C	1000 CYS	77	0	NRSWDA004B
TEMP CYCLE, 5' RAMP, 10' DWELL	0935	MAX14803CXB+	-65C TO 150C	1000 CYS	77	0	NRSWDA004C
TEMP CYCLE, 5' RAMP, 10' DWELL	0935	MAX14803CXB+	-65C TO 150C	1000 CYS	77	0	NRSWDA004D
TEMP CYCLE, 15' RAMP, 15' DWELL	N/A	MAX14803AEWZ+T	-40C TO +125C	500 CYS	77	0	NN1YAQ001A
TEMP CYCLE, 15' RAMP, 15' DWELL	N/A	MAX14803AEWZ+T	-40C TO +125C	500 CYS	77	0	NN1YAQ001B

TEMP CYCLE, 5' RAMP, 10' DWELL	N/A	MAX14803AEWZ+T	-65C TO 150C	500	CYS	77	0	NN1YAQ001B
TEMP CYCLE, 15' RAMP, 15' DWELL	N/A	MAX14803AEWZ+T	-40C TO +125C	500	CYS	77	0	NN1YAQ001C
TEMP CYCLE, 5' RAMP, 10' DWELL	N/A	MAX14803AEWZ+T	-65C TO 150C	500	CYS	77	0	NN1YAQ001C
Total:							0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
MOISTURE SOAK	0834	MAX4802CXZ+	85 C/85% R.H.	1000 HRS	48	0	NEE1HA026Q1
Total:						0	
FAILURE RATE:	MTTF (YRS): 9302		QUANTITY: 48	FAILS: 0	FITS: 12.3		