



5/9/2009

**RELIABILITY MONITOR REPORT
FOR**

San Antonio 0.8 μ m Silicon Gate CMOS w/memory

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:

MAX1781ETM+	MAX1781ETM+	MAX1782ETM	MAX1782ETM+
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The calculated failure rate for devices using this process is:

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 and

Process Information:

Process Description: San Antonio 0.8µm Silicon Gate CMOS w/memory

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	0742	MAX1781ETM+	150C	1000 HRS	80	0	TML5A30L2B
STORAGE LIFE	0816	MAX1782ETM+	150C	500 HRS	80	0	TML6AA5R9A
STORAGE LIFE	0816	MAX1782ETM+	150C	1000 HRS	80	0	TML6AA3R9A
STORAGE LIFE	0816	MAX1782ETM+	150C	500 HRS	80	0	TML6AA5R7A
STORAGE LIFE	0816	MAX1782ETM+	150C	1000 HRS	80	0	TML6AA3R7A
STORAGE LIFE	0816	MAX1782ETM+	150C	1000 HRS	77	0	TML6AA5R8A
STORAGE LIFE	0852	MAX1781ETM+C8B	150C	500 HRS	77	0	TML5AA5V8A
STORAGE LIFE	0852	MAX1781ETM+C8B	150C	500 HRS	77	0	TML5AA5V8F
STORAGE LIFE	0852	MAX1781ETM+C8B	150C	500 HRS	77	0	TML5AA5U6H
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	0809	MAX1781ETM+	-65C TO 150C	1000 CYS	77	0	TML5C4013D
TEMP CYCLE, 5' RAMP, 10' DWELL	0809	MAX1781ETM+	-65C TO 150C	1000 CYS	77	0	TML5C4013E
TEMP CYCLE, 5' RAMP, 10' DWELL	0809	MAX1781ETM+	-65C TO 150C	1000 CYS	76	0	TML5C4013F
TEMP CYCLE, 5' RAMP, 10' DWELL	0816	MAX1782ETM+	-65C TO 150C	1000 CYS	80	0	TML6AA3R9A
TEMP CYCLE, 5' RAMP, 10' DWELL	0816	MAX1782ETM+	-65C TO 150C	1000 CYS	80	0	TML6AA5R7A
TEMP CYCLE, 5' RAMP, 10' DWELL	0816	MAX1782ETM	-65C TO 150C	1000 CYS	77	0	TML6AA5R8A
TEMP CYCLE, 5' RAMP, 10' DWELL	0852	MAX1781ETM+C8B	-65C TO 150C	500 CYS	77	0	TML5AA5V8A

TEMP CYCLE, 5' RAMP, 10' DWELL	0852	MAX1781ETM+C8B	-65C TO 150C	500	CYS	77	0	TML5AA5V8F
TEMP CYCLE, 5' RAMP, 10' DWELL	0852	MAX1781ETM+C8B	-65C TO 150C	500	CYS	77	0	TML5AA5U6H
					Total:		0	