

8/1/2019



**RELIABILITY MONITOR REPORT
FOR**

San Antonio B8

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:

MAX16047ETN+	MAX16050ETI+	MAX9814ETD+	MAXM22511GL
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 32362 QUANTITY: 167 FAILS: 0 FITS: 3.5

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

Process Information:

Process Description: San Antonio B8

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1803	MAX16047ETN+	125°C	1000 HRS	42	0	TFDZCA194CA
HIGH TEMP OP LIFE	1806	MAX9814ETD+	125°C	1000 HRS	45	0	TAPZDA087CB
HIGH TEMP OP LIFE	1814	MAXM22511GLH+	125°C	1000 HRS	30	0	WBRN7ACA(1)
HIGH TEMP OP LIFE	1814	MAXM22511GLH+	125°C	1000 HRS	20	0	WBRN7ACB(2)
HIGH TEMP OP LIFE	1814	MAXM22511GLH+	125°C	1000 HRS	30	0	WBRN7ACC(3)
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1806	MAX9814ETD+	150°C	1000 HRS	36	0	TAPZDA087CB
STORAGE LIFE	1811	MAX16050ETI+	150°C	1000 HRS	80	0	TBVS7A008CA
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1811	MAX16050ETI+	-65C TO +150C (Condition C)	1000 CYS	80	0	TBVS7A008CA
Total:						0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1811	MAX16050ETI+	130C, 85% R.H.	96 HRS	80	0	TBVS7A008CA
Total:						0	

FAILURE RATE: **MTTF (YRS): 32362** **QUANTITY: 167** **FAILS: 0** **FITS: 3.5**