

10/27/2017



**RELIABILITY MONITOR REPORT
FOR**

San Antonio EB8

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:

MAX16046ATN+	MAX16046ETN+	MAX16047ETN+
--------------	--------------	--------------

The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 34106 QUANTITY: 176 FAILS: 0 FITS: 3.3

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 7/1/2017 and 9/30/2017 .

Process Information:

Process Description: San Antonio EB8

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1633	MAX16046ATN+	135°C	1000 HRS	48	0	TFDZCA143CD
HIGH TEMP OP LIFE	1704	MAX16047ETN+	135°C	1000 HRS	48	0	TFDZCA158AM
HIGH TEMP OP LIFE	1704	MAX16047ETN+	135°C	1000 HRS	32	0	TFDZCA158AM
HIGH TEMP OP LIFE	1711	MAX16046ETN+	135°C	1000 HRS	48	0	TFDZCA163BA
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1633	MAX16046ATN+	150°C	1000 HRS	80	0	TFDZCA143CD
STORAGE LIFE	1704	MAX16047ETN+	150°C	1000 HRS	80	0	TFDZCA158AM
STORAGE LIFE	1711	MAX16046ETN+	150°C	1000 HRS	80	0	TFDZCA163BA
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1633	MAX16046ATN+	-65C TO +150C (Condition C)	1000 CYS	80	0	TFDZCA143CD
TEMP CYCLE, 5' RAMP, 10' DWELL	1704	MAX16047ETN+	-65C TO +150C (Condition C)	1000 CYS	80	0	TFDZCA158AM
TEMP CYCLE, 5' RAMP, 10' DWELL	1711	MAX16046ETN+	-65C TO +150C (Condition C)	1000 CYS	80	0	TFDZCA163BA
Total:						0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1633	MAX16046ATN+	130C, 85%	96	HRS	80	0 TFDZCA143CD
BIASED MOISTURE	1704	MAX16047ETN+	130C, 85%	96	HRS	80	0 TFDZCA158AM
BIASED MOISTURE	1711	MAX16046ETN+	130C, 85%	96	HRS	40	0 TFDZCA163BA
					Total:	0	
FAILURE RATE:	MTTF (YRS):	34106	QUANTITY:	176	FAILS:	0	FITS: 3.3