

7/10/2017



**RELIABILITY MONITOR REPORT
FOR**

MFN MB10

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:

MAX2150ETI+	MAX2607EUT+	MAX2900ETI+
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 44182 QUANTITY: 288 FAILS: 0 FITS: 2.6

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 4/1/2017 and 6/30/2017 .

Process Information:

Process Description: MFN MB10

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1037	MAX2607EUT+	135°C	1000 HRS	50	0	N7DDF3316CX
HIGH TEMP OP LIFE	1037	MAX2607EUT+	135°C	1000 HRS	30	0	N7DDF3316CX
HIGH TEMP OP LIFE	1630	MAX2900ETI+	135°C	1000 HRS	80	0	N070G3121D
HIGH TEMP OP LIFE	1638	MAX2900ETI+	135°C	1000 HRS	80	0	N070GA125EF
HIGH TEMP OP LIFE	1703	MAX2150ETI+	135°C	1000 HRS	48	0	N9D0CA076BA
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1037	MAX2607EUT+	150°C	1000 HRS	80	0	N7DDF3316CX
STORAGE LIFE	1623	MAX2900ETI+	150°C	1000 HRS	80	0	N070G3121D
STORAGE LIFE	1638	MAX2900ETI+	150°C	1000 HRS	80	0	N070GA125EF
STORAGE LIFE	1703	MAX2150ETI+	150°C	1000 HRS	80	0	N9D0CA076BA
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1037	MAX2607EUT+	-65C TO +150C (Condition C)	1000 CYS	80	0	N7DDF3316CX
TEMP CYCLE, 5' RAMP, 10' DWELL	1623	MAX2900ETI+	-65C TO +150C (Condition C)	1000 CYS	80	0	N070G3121D
TEMP CYCLE, 5' RAMP, 10' DWELL	1638	MAX2900ETI+	-65C TO +150C (Condition C)	1000 CYS	80	0	N070GA125EF

TEMP CYCLE, 5' RAMP, 10' DWELL	1703	MAX2150ETI+	-65C TO +150C (Condition C)	1000	CYS	80	0	N9D0CA076BA
Total:							0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1623	MAX2900ETI+	130C, 85%	96	HRS	42	0 N070G3121D
BIASED MOISTURE	1623	MAX2900ETI+	130C, 85%	96	HRS	38	0 N070G3121D
BIASED MOISTURE	1638	MAX2900ETI+	130C, 85%	96	HRS	40	0 N070GA125EF
BIASED MOISTURE	1638	MAX2900ETI+	130C, 85%	96	HRS	40	0 N070GA125EF
BIASED MOISTURE	1703	MAX2150ETI+	130C, 85%	96	HRS	40	0 N9D0CA076BA
BIASED MOISTURE	1703	MAX2150ETI+	130C, 85%	96	HRS	40	0 N9D0CA076BA
Total:							0

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