

**8/1/2019**



**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+T	MAX2900ETI+
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The calculated failure rate for devices using this process is:

**FAILURE RATE:    MTTF (YRS): 64336    QUANTITY: 332    FAILS: 0    FITS: 1.8**

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 .

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**Process Information:**

Process Description:            MFN MB10

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**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1806	MAX2150ETI+	125°C	1000 HRS	42	0	N9D0CA076DA
HIGH TEMP OP LIFE	1820	MAX2900ETI+	125°C	1000 HRS	80	0	N070G3138DA
HIGH TEMP OP LIFE	1833	MAX2607EUT+T	125°C	1000 HRS	50	0	R40372AB1
HIGH TEMP OP LIFE	1843	MAX2900ETI+	125°C	1000 HRS	80	0	N070GA142OA
HIGH TEMP OP LIFE	1843	MAX2900ETI+	125°C	1000 HRS	80	0	N070GA142OA
<b>Total:</b>						<b>0</b>	

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**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1820	MAX2900ETI+	150°C	1000 HRS	80	0	N070G3138DA
STORAGE LIFE	1833	MAX2607EUT+T	150°C	1000 HRS	79	0	R40372AX2
STORAGE LIFE	1843	MAX2900ETI+	150°C	1000 HRS	80	0	N070GA142OA
<b>Total:</b>						<b>0</b>	

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**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1820	MAX2900ETI+	-65C TO +150C (Condition C)	1000 CYS	80	0	N070G3138DA
TEMP CYCLE, 5' RAMP, 10' DWELL	1843	MAX2900ETI+	-65C TO +150C (Condition C)	1000 CYS	80	0	N070GA142OA
<b>Total:</b>						<b>0</b>	

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**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
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BIASED MOISTURE	1833	MAX2607EUT+T	130C, 85% R.H. 96	HRS	80	0	R40372AH1
BIASED MOISTURE	1843	MAX2900ETI+	130C, 85% R.H. 96	HRS	40	0	N070GA142OA
BIASED MOISTURE	1843	MAX2900ETI+	130C, 85% R.H. 96	HRS	39	0	N070GA142OA
				<b>Total:</b>		<b>0</b>	

**FAILURE RATE:**    **MTTF (YRS): 64336**    **QUANTITY: 332**    **FAILS: 0**    **FITS: 1.8**