

10/23/2014



**RELIABILITY MONITOR REPORT  
FOR**

**MFN Dual Poly Emitter 0.8μm (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:

MAX2363ETM+

The calculated failure rate for devices using this process is:

**FAILURE RATE: MTTF (YRS): 29842 QUANTITY: 154 FAILS: 0 FITS: 3.8**

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 10/1/2013 and 9/30/2014 .

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**Process Information:**

Process Description: MFN Dual Poly Emitter 0.8µm (MB10)

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**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1315	MAX2363ETM+	135°C	1000 HRS	77	0	N33BF3188Q2
HIGH TEMP OP LIFE	1315	MAX2363ETM+	135°C	1000 HRS	77	0	N33BF3188Q3
<b>Total:</b>						<b>0</b>	

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**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1315	MAX2363ETM+	130C, 85% R.H.	100 HRS	35	0	N33BF3188Q1
BIASED MOISTURE	1315	MAX2363ETM+	130C, 85% R.H.	100 HRS	35	0	N33BF3188Q2
BIASED MOISTURE	1315	MAX2363ETM+	130C, 85% R.H.	100 HRS	35	0	N33BF3188Q3
<b>Total:</b>						<b>0</b>	

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