



4/17/2012

**RELIABILITY MONITOR REPORT  
FOR**

**MFN Poly Emitter Complementary Bipolar (CB30)**

**MAXIM Integrated Products**

120 San Gabriel Dr.  
Sunnyvale, CA 94086

**This Report was prepared by  
Maxim 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:

MAX4003EUA+
-------------

The calculated failure rate for devices using this process is:

**FAILURE RATE:    MTTF (YRS): 37691    QUANTITY: 312    FAILS: 0    FITS: 3.0**

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 4/1/2011 and 3/31/2012 .

**Process Information:**

Process Description:            MFN Poly Emitter Complementary Bipolar (CB30)

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1105	MAX4003EUA+	135C	1000 HRS	80	0	N9O3E2040A
HIGH TEMP OP LIFE	1146	MAX4003EUA+	135C	500 HRS	73	0	N9O3E2125AA
HIGH TEMP OP LIFE	1146	MAX4003EUA+	135C	500 HRS	79	0	N9O3E2124AA
HIGH TEMP OP LIFE	1152	MAX4003EUA+	135C	500 HRS	80	0	N9O3E2128AA
<b>Total:</b>						<b>0</b>	
<b>FAILURE RATE:</b>	<b>MTTF (YRS): 37691</b>		<b>QUANTITY: 312</b>		<b>FAILS: 0</b>		<b>FITS: 3.0</b>