

8/1/2019



**RELIABILITY MONITOR REPORT  
FOR**

**MFN CB30**

**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:

MAX4003EUA+	MAX9933BGUA
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The calculated failure rate for devices using this process is:

**FAILURE RATE:    MTTF (YRS): 41733    QUANTITY: 320    FAILS: 0    FITS: 2.7**

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 .

**Process Information:**

Process Description:            MFN CB30

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1811	MAX4003EUA+	125°C	1000 HRS	80	0	N9O3EA209BA
HIGH TEMP OP LIFE	1811	MAX9933BGUA+	125°C	192 HRS	80	0	R40362AB1
HIGH TEMP OP LIFE	1838	MAX4003EUA+	125°C	500 HRS	80	0	N9O3EA214BA
HIGH TEMP OP LIFE	1838	MAX4003EUA+	125°C	1000 HRS	80	0	N9O3EA214BA
<b>Total:</b>						<b>0</b>	

**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1811	MAX4003EUA+	150°C	1000 HRS	80	0	N9O3EA209BA
STORAGE LIFE	1811	MAX9933BGUA+	150°C	1000 HRS	80	0	R40362AX2
STORAGE LIFE	1838	MAX4003EUA+	150°C	1000 HRS	80	0	N9O3EA214BA
<b>Total:</b>						<b>0</b>	

**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1811	MAX9933BGUA+	-65C TO +150C (Condition C)	1000 CYS	80	0	R40362AT2
TEMP CYCLE, 5' RAMP, 10' DWELL	1838	MAX4003EUA+	-65C TO +150C (Condition C)	1000 CYS	80	0	N9O3EA214BA
<b>Total:</b>						<b>0</b>	

**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
MOISTURE SOAK	1811	MAX9933BGUA+	130C, 85% R.H.	96 HRS	50	0	R40362AH1

<b>FAILURE RATE:</b>	<b>MTTF (YRS): 41733</b>	<b>QUANTITY: 320</b>	<b>Total:</b>	<b>0</b>
			<b>FAILS: 0</b>	<b>FITS: 2.7</b>