

8/1/2019



**RELIABILITY MONITOR REPORT
FOR**

MFN CB40

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:

MAX2034CTM+	MAX5423ETA+	MAX9979KCTK
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 37470 QUANTITY: 282 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 4/1/2019 and 8/1/2019 .

Process Information:

Process Description: MFN CB40

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1806	MAX5423ETA+	125°C	1000 HRS	42	0	TOE1FA008CA
HIGH TEMP OP LIFE	1821	MAX2034CTM+	125°C	1000 HRS	80	0	NAEJ53034AA
HIGH TEMP OP LIFE	1828	MAX9979KCTK+	125°C	192 HRS	80	0	R40363AB1
HIGH TEMP OP LIFE	1848	MAX2034CTM+	125°C	500 HRS	48	0	NAEJ53035CA
HIGH TEMP OP LIFE	1848	MAX2034CTM+	125°C	1000 HRS	32	0	NAEJ53035CA
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1828	MAX9979KCTK+	150°C	1000 HRS	80	0	R40363AX2
STORAGE LIFE	1848	MAX2034CTM+	150°C	1000 HRS	80	0	NAEJ53035CA
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1821	MAX2034CTM+	-65C TO +150C (Condition C)	1000 CYS	80	0	NAEJ53034AA
TEMP CYCLE, 5' RAMP, 10' DWELL	1848	MAX2034CTM+	-65C TO +150C (Condition C)	1000 CYS	80	0	NAEJ53035CA
Total:						0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1821	MAX2034CTM+	130C, 85% R.H.	96 HRS	80	0	NAEJ53034AA

BIASED MOISTURE	1828	MAX9979KCTK+	130C, 85% R.H. 96	HRS	80	0	R40363AH1
BIASED MOISTURE	1848	MAX2034CTM+	130C, 85% R.H. 96	HRS	80	0	NAEJ53035CA
				Total:		0	
FAILURE RATE:		MTTF (YRS): 37470	QUANTITY: 282		FAILS: 0		FITS: 3.0