

8/1/2019



**RELIABILITY MONITOR REPORT
FOR**

MFN C3

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:

MAX3222CUP+	MAX3222CUP+	MAX33250EELC
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 61816 QUANTITY: 399 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 .

Process Information:

Process Description: MFN C3

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1817	MAX3222CUP+	125°C	1000 HRS	80	0	JABA2A511KX
HIGH TEMP OP LIFE	1826	MAX33250EELC+	125°C	1000 HRS	80	0	3BSU8A
HIGH TEMP OP LIFE	1826	MAX33250EELC+	125°C	500 HRS	80	0	3BSU8A
HIGH TEMP OP LIFE	1826	MAX33250EELC+	125°C	500 HRS	80	0	3BSU8A
HIGH TEMP OP LIFE	1833	MAX3222CUP+	125°C	1000 HRS	79	0	JABA2A590A
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1817	MAX3222CUP+	150°C	1000 HRS	75	0	JABA2A511KX
STORAGE LIFE	1826	MAX33250EELC+	150°C	1000 HRS	80	0	3BSU8A
STORAGE LIFE	1833	MAX3222CUP+	150°C	1000 HRS	80	0	JABA2A590A
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1817	MAX3222CUP+	-65C TO +150C (Condition C)	1000 CYS	80	0	JABA2A511KX
TEMP CYCLE, 5' RAMP, 10' DWELL	1826	MAX33250EELC+	-40C TO +125C (Condition G)	1000 CYS	80	0	3BSU8A
TEMP CYCLE, 5' RAMP, 10' DWELL	1826	MAX33250EELC+	-40C TO +125C (Condition G)	1000 CYS	80	0	3BSU8A

TEMP CYCLE, 5' RAMP, 10' DWELL	1826	MAX33250EELC+	-40C TO +125C (Condition G)	1000	CYS	80	0	3BSU8A
TEMP CYCLE, 5' RAMP, 10' DWELL	1833	MAX3222CUP+	-65C TO +150C (Condition C)	1000	CYS	80	0	JABA2A590A
Total:							0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
BIASED MOISTURE		MAX3222CUP+	130C, 85% R.H.	96 HRS	80	0	JABA2A511KX	
Total:							0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
MOISTURE SOAK	1833	MAX3222CUP+	130C, 85% R.H.	96 HRS	80	0	JABA2A590A	
Total:							0	

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