

6/25/2020



**RELIABILITY MONITOR REPORT
FOR**

MFN B8

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:

MAX16076ATP/ MAX9938FELT+	MAX16826ATJ+	MAX16826BATJ/ MAX16826BATJ	MAX1709ESE+
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 76738 QUANTITY: 396 FAILS: 0 FITS: 1.5

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 1/1/2020 and 3/31/2020 .

Process Information:

Process Description: MFN B8

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1818	MAX16076ATP/V+CNA	125°C	1000 HRS	80	0	JBHA32195A
HIGH TEMP OP LIFE	1847	MAX16826BATJ/V+	125°C	1000 HRS	79	0	JFYWA3284BB
HIGH TEMP OP LIFE	1901	MAX16826ATJ+	125°C	1000 HRS	77	0	JFYFA272DX
HIGH TEMP OP LIFE	1912	MAX16076ATP/V+CNA	125°C	1000 HRS	80	0	JBHA32195B
HIGH TEMP OP LIFE	1948	MAX16826BATJ/V+	125°C	1000 HRS	80	0	JFYWAA342CA
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1901	MAX16826ATJ+	150°C	1000 HRS	80	0	JFYFA272DX
STORAGE LIFE	1948	MAX16826BATJ/V+	150°C	1000 HRS	80	0	JFYWAA342CA
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1847	MAX16826BATJ/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	JFYWA3284BB
TEMP CYCLE, 5' RAMP, 10' DWELL	1901	MAX16826ATJ+	-65C TO +150C (Condition C)	1000 CYS	80	0	JFYFA272DX
TEMP CYCLE, 5' RAMP, 10' DWELL	1948	MAX16826BATJ/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	JFYWAA342CA
Total:						0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1831	MAX16826BATJ+	130C, 85% R.H.	1000 HRS	79	0	JFYWA3260D
BIASED MOISTURE	1847	MAX16826BATJ/V+	130C, 85% R.H.	96 HRS	78	0	JFYWA3284BB
BIASED MOISTURE	1920	MAX9938FELT+T	130C, 85% R.H.	96 HRS	78	0	JMKYC2362A
BIASED MOISTURE	1926	MAX1709ESE+	130C, 85% R.H.	96 HRS	77	0	JMKYC3370CB
BIASED MOISTURE	1948	MAX16826BATJ/V+	130C, 85% R.H.	96 HRS	80	0	JFYWAA342CA
				Total:		0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
MOISTURE SOAK	1901	MAX16826ATJ+	130C, 85% R.H.	96 HRS	80	0	JFYFA272DX
				Total:		0	

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