

8/1/2019



**RELIABILITY MONITOR REPORT
FOR**

MFN BCD88

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:

MAX15005BAU	MAX15006AATT	MAX4080TAUA	MAX5090AATE+	MAX5090BATE+
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 62204 QUANTITY: 361 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 BCD88

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1809	MAX5090BATE+	125°C	1000 HRS	79	0	JZ6BBA083AX
HIGH TEMP OP LIFE	1819	MAX5090AATE+	125°C	500 HRS	80	0	JZ6AB2091A
HIGH TEMP OP LIFE	1819	MAX5090AATE+	125°C	1000 HRS	80	0	JZ6AB2091A
HIGH TEMP OP LIFE	1823	MAX15005BAUE/V+	125°C	1000 HRS	42	0	J831CA469AX
HIGH TEMP OP LIFE	1828	MAX15006AATT+	125°C	1000 HRS	80	0	JADZBA760DX
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1823	MAX15005BAUE/V+	150°C	1000 HRS	80	0	J831CA469AX
STORAGE LIFE	1828	MAX15006AATT+	150°C	1000 HRS	80	0	JADZBA760DX
STORAGE LIFE	1845	MAX5090BATE+	150°C	1000 HRS	80	0	JZ6BBA085AA
STORAGE LIFE	1912	MAX4080TAUA+	150°C	1000 HRS	80	0	JF11DA460DX
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1823	MAX15005BAUE/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	J831CA469AX
TEMP CYCLE, 5' RAMP, 10' DWELL	1828	MAX15006AATT+	-65C TO +150C (Condition C)	1000 CYS	80	0	JADZBA760DX
TEMP CYCLE, 5' RAMP, 10' DWELL	1845	MAX5090BATE+	-65C TO +150C (Condition C)	1000 CYS	80	0	JZ6BBA085AA

TEMP CYCLE, 5' RAMP, 10' DWELL	1912	MAX4080TAUA+	-65C TO +150C (Condition C)	1000	CYS	80	0	JF11DA460DX
Total:							0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
BIASED MOISTURE	1823	MAX15005BAUE/V+	130C, 85% R.H.	96 HRS	80	0	J831CA469AX	
BIASED MOISTURE	1828	MAX15006AATT+	130C, 85% R.H.	96 HRS	80	0	JADZBA760DX	
BIASED MOISTURE	1845	MAX5090BATE+	130C, 85% R.H.	96 HRS	80	0	JZ6BBA085AA	
BIASED MOISTURE	1912	MAX4080TAUA+	130C, 85% R.H.	96 HRS	80	0	JF11DA460DX	
Total:							0	

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