

6/25/2020



**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	MAX16823AUE+	MAX4080TAUA	MAX5090AATE
MAX5090BATE+	MAX6769TALD2	MAX9921AUB/V		

The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 51546 QUANTITY: 234 FAILS: 0 FITS: 2.2

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 BCD88

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1802	MAX15006AATT/V+	125°C	2000 HRS	32	0	JADZBA655C
HIGH TEMP OP LIFE	1819	MAX5090AATE+	125°C	1000 HRS	80	0	JZ6AB2091A
HIGH TEMP OP LIFE	1912	MAX4080TAUA+	125°C	1000 HRS	80	0	JF11DA460DX
HIGH TEMP OP LIFE	1927	MAX16823AUE+	125°C	1000 HRS	42	0	JEOZC2317BA
				Total:		0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1845	MAX5090BATE+	150°C	1000 HRS	80	0	JZ6BBA085AA
STORAGE LIFE	1907	MAX9921AUB/V+C40	150°C	1000 HRS	80	0	JFFZCA027GA
STORAGE LIFE	1912	MAX4080TAUA+	150°C	1000 HRS	80	0	JF11DA460DX
STORAGE LIFE	1916	MAX16823AUE+	150°C	1000 HRS	76	0	JEOZCA314CX
STORAGE LIFE	1938	MAX15005BAUE/V+	150°C	500 HRS	80	0	J831CA538FX
				Total:		0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1907	MAX9921AUB/V+C40	-65C TO +150C (Condition C)	100 CYS	80	0	JFFZCA027GA
TEMP CYCLE, 5' RAMP, 10' DWELL	1912	MAX4080TAUA+	-65C TO +150C (Condition C)	1000 CYS	80	0	JF11DA460DX

TEMP CYCLE, 5' RAMP, 10' DWELL	1916	MAX16823AUE+	-65C TO +150C (Condition C)	1000	CYS	79	0	JEOZCA314CX
TEMP CYCLE, 5' RAMP, 10' DWELL	1938	MAX15005BAUE/V+	-65C TO +150C (Condition C)	1000	CYS	80	0	J831CA538FX
Total:							0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
BIASED MOISTURE	1907	MAX9921AUB/V+C40	130C, 85% R.H.	96 HRS	78	0	JFFZCA027GA	
BIASED MOISTURE	1912	MAX4080TAUA+	130C, 85% R.H.	96 HRS	80	0	JF11DA460DX	
BIASED MOISTURE	1918	MAX6769TALD2/V+T	130C, 85% R.H.	96 HRS	80	0	J984DA128H	
Total:							0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
MOISTURE SOAK	1938	MAX15005BAUE/V+	130C, 85% R.H.	96 HRS	80	0	J831CA538FX	
Total:							0	

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