

7/10/2017



**RELIABILITY MONITOR REPORT
FOR**

MFN BCD250

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:

MAX14803CCM	MAX15013AAS	MAX4810CTN+
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 58135 QUANTITY: 273 FAILS: 0 FITS: 2.0

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 4/1/2017 and 6/30/2017 .

Process Information:

Process Description: MFN BCD250

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1638	MAX15013AASA+	135°C	1000 HRS	80	0	NOP2BA300DX
HIGH TEMP OP LIFE	1642	MAX14803CCM+	135°C	750 HRS	80	0	NBMW23264CB
HIGH TEMP OP LIFE	1642	MAX4810CTN+	135°C	1000 HRS	33	0	NKUZBA211B
HIGH TEMP OP LIFE	1702	MAX14803CCM+	135°C	1000 HRS	80	0	NBMW2A284AB
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1638	MAX15013AASA+	150°C	1000 HRS	80	0	NOP2BA300DX
STORAGE LIFE	1642	MAX4810CTN+	150°C	1000 HRS	80	0	NKUZBA211B
STORAGE LIFE	1702	MAX14803CCM+	150°C	1000 HRS	80	0	NBMW2A284AB
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1638	MAX15013AASA+	-65C TO +150C (Condition C)	1000 CYS	80	0	NOP2BA300DX
TEMP CYCLE, 5' RAMP, 10' DWELL	1642	MAX4810CTN+	-65C TO +150C (Condition C)	1000 CYS	80	0	NKUZBA211B
TEMP CYCLE, 5' RAMP, 10' DWELL	1702	MAX14803CCM+	-65C TO +150C (Condition C)	1000 CYS	80	0	NBMW2A284AB
Total:						0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
MOISTURE SOAK	1638	MAX15013AASA+	130C, 85%	96	HRS	80	0	NOP2BA300DX
MOISTURE SOAK	1642	MAX4810CTN+	130C, 85%	96	HRS	80	0	NKUZBA211B
MOISTURE SOAK	1702	MAX14803CCM+	130C, 85%	96	HRS	80	0	NBMW2A284AB
					Total:	0		
FAILURE RATE:	MTTF (YRS):	58135	QUANTITY:	273	FAILS:	0	FITS:	2.0