



10/8/10

**RELIABILITY MONITOR REPORT
FOR**

MFN Poly Emitter Complementary Bipolar (CB50)

MAXIM Integrated Products

120 San Gabriel Dr.
Sunnyvale, CA 94086

**This Report was prepared by
Maxim 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:

MAX3600CTL+	MAX3738BETG
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 44764 QUANTITY: 295 FAILS: 0 FITS: 2.6

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 10/1/2009 and 9/30/2010 .

Process Information:

Process Description: MFN Poly Emitter Complementary Bipolar (CB50)

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	0916	MAX3600CTL+	135C	1000 HRS	23	0	JQCZFA023A/E
HIGH TEMP OP LIFE	0940	MAX3738BETG+	135C	1000 HRS	77	0	JJR0FZ001FA
HIGH TEMP OP LIFE	0940	MAX3738BETG+	135C	1000 HRS	54	0	JJR0FQ003FA
HIGH TEMP OP LIFE	0940	MAX3738BETG+	135C	1000 HRS	77	0	JJR0FQ002FA
HIGH TEMP OP LIFE	0952	MAX3600CTL+	135C	1000 HRS	64		JQCYAQ003H
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	0914	MAX3600CTL+	150C	1000 HRS	80	0	JQCZFA024D/E
STORAGE LIFE	0916	MAX3600CTL+	150C	1000 HRS	80	0	JQCZFA023A/E
STORAGE LIFE	0916	MAX3600CTL+	150C	1000 HRS	80	0	JQCZFA025D/F
STORAGE LIFE	0940	MAX3738BETG+	150C	1000 HRS	80	0	JJR0FZ001FA
STORAGE LIFE	0940	MAX3738BETG+	150C	1000 HRS	80	0	JJR0FQ003FA
STORAGE LIFE	0940	MAX3738BETG+	150C	1000 HRS	80	0	JJR0FQ002FA
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	0914	MAX3600CTL+	-65C TO 150C	500 CYS	80	0	JQCZFA024D/E
TEMP CYCLE, 5' RAMP, 10' DWELL	0916	MAX3600CTL+	-65C TO 150C	500 CYS	80	0	JQCZFA023A/E

TEMP CYCLE, 5' RAMP, 0916 10' DWELL	MAX3600CTL+	-65C TO 150C	500	CYS	79	0	JQCZFA025D/F
TEMP CYCLE, 5' RAMP, 0940 10' DWELL	MAX3738BETG+	-65C TO 150C	500	CYS	80	0	JJR0FZ001FA
TEMP CYCLE, 5' RAMP, 0940 10' DWELL	MAX3738BETG+	-65C TO 150C	500	CYS	80	0	JJR0FQ003FA
TEMP CYCLE, 5' RAMP, 0940 10' DWELL	MAX3738BETG+	-65C TO 150C	500	CYS	80	0	JJR0FQ002FA

Total: **0**

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