



10/8/10

**RELIABILITY MONITOR REPORT
FOR**

MFN Complementary BiCMOS High voltage (CB5HV)

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:

MAX9633ATA+	MAX9633ATA+T
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 45539 QUANTITY: 315 FAILS: 0 FITS: 2.5

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

Process Information:

Process Description: MFN Complementary BiCMOS High voltage (CB5HV)

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1017	MAX9633ATA+T	135C	500 HRS	80		JG8ZBA005DA
HIGH TEMP OP LIFE	1017	MAX9633ATA+T	135C	1000 HRS	78	0	JB8ZBA005DA
HIGH TEMP OP LIFE	1020	MAX9633ATA+T	135C	1000 HRS	78	0	JG8ZBQ004CD
HIGH TEMP OP LIFE	1021	MAX9633ATA+T	135C	1000 HRS	79	0	JG8ZBA006FB
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1017	MAX9633ATA+T	150C	1000 HRS	77	0	JG8ZBA005DE
STORAGE LIFE	1020	MAX9633ATA+T	150C	1000 HRS	75	0	JG8ZBQ004CD
STORAGE LIFE	1021	MAX9633ATA+T	150C	1000 HRS	66	0	JG8ZBA006FB
STORAGE LIFE	1021	MAX9633ATA+	150C	1000 HRS	80	0	JG8ZBA006FA
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1017	MAX9633ATA+T	-65C TO 150C	200 CYS	77	0	JG8ZBA006DE
TEMP CYCLE, 5' RAMP, 10' DWELL	1017	MAX9633ATA+T	-65C TO 150C	1000 CYS	80	0	JG8ZBA005DE
TEMP CYCLE, 5' RAMP, 10' DWELL	1020	MAX9633ATA+T	-65C TO 150C	1000 CYS	75	0	JG8ZBQ004CD
TEMP CYCLE, 5' RAMP, 10' DWELL	1020	MAX9633ATA+T	-65C TO 150C	500 CYS	80	0	JG8ZBQ004CD
TEMP CYCLE, 5' RAMP, 10' DWELL	1020	MAX9633ATA+T	-65C TO 150C	500 CYS	80	0	JG8ZBBQ004CD

TEMP CYCLE, 5' RAMP, 1021 MAX9633ATA+T -65C TO 150C 1000 CYS 77 0 JG8ZBA006FB
10' DWELL

Total: 0

FAILURE RATE: **MTTF (YRS): 45539** **QUANTITY: 315** **FAILS: 0** **FITS: 2.5**