



1/25/2008

RELIABILITY MONITOR REPORT
FOR

SVL 0.6 μ m Silicon Gate CMOS

MAXIM Integrated Products

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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:

MAX1086EKA+	MAX3001EEBP+	MAX3002EBP+T	MAX4760EBX+	MAX5774UCB+
MAX5935CAX	MAX6738XKSD	MAX6738XKSD	MAX6864UK31	MAX7432AEUD
MAX7452ESA+	MAX9503METE	MAX9505ETE+	MAX9705BEUB	MAX9716EUA+
MAX9722AETE+	MAX9723DETE+	MAX9750AETI+	MAX9750CETI+	MAX9750CETI+
MAX9750ETI+				

The calculated failure rate for devices using this process is:

FAILURE RATE: **MTTF (YRS): 399191** **FITS: 0.3**

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 and .

Process Information:

Process Description: SVL 0.6µm Silicon Gate CMOS

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE		MAX1086EKA+	135C, 5.25V	1000 HRS	45	0	
		MAX3002EBP+T	135C, 5.25V	1000 HRS	45	0	
HIGH TEMP OP LIFE	050	MAX7432AEUD	135C, 5.25V	1000 HRS	45	0	
HIGH TEMP OP LIFE	0442	MAX7432AEUD	135C, 5.25V	1000 HRS	45	0	
			135C, 5.25V	1000 HRS	45	0	
HIGH TEMP OP LIFE	0546	MAX9750CETI+C2U	135C, 5.25V	1000 HRS	77	0	
HIGH TEMP OP LIFE	0550	MAX9750ETI+	135C, 5.25V	1000 HRS	77	0	
HIGH TEMP OP LIFE	0604	MAX9722AETE+	135C, 5.25V	1000 HRS	47	0	
HIGH TEMP OP LIFE	0617	MAX9750AETI+	135C, 5.25V	1000 HRS	75	0	
HIGH TEMP OP LIFE	0619	MAX6738XKSD3-T	135C, 5.25V	1000 HRS	42	0	
		MAX6738XKSD3+	135C, 5.25V	1000 HRS	44	0	
			135C, 5.25V	1000 HRS	44	0	
HIGH TEMP OP LIFE	0620	MAX7452ESA+	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0622	MAX9750AETI+	135C, 5.25V	1000 HRS	80	0	
		MAX6864UK31D3S+	135C, 5.25V	1000 HRS	79	0	
		MAX1086EKA+	135C, 5.25V	1000 HRS	45	0	
			135C, 5.25V	1000 HRS	44	0	
HIGH TEMP OP LIFE	0637	MAX9716EUA+	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0638	MAX5935CAX	135C, 5.25V	1000 HRS	45	0	
			135C, 5.25V	1000 HRS	45	0	
			135C, 5.25V	1000 HRS	45	0	

HIGH TEMP OP LIFE	0647	MAX9723DETE+	135C, 5.25V	1000 HRS	47	0
HIGH TEMP OP LIFE	0649	MAX9750CETI+	135C, 5.25V	1000 HRS	71	0
HIGH TEMP OP LIFE	0650	MAX9503METE+TX01	135C, 5.25V	1000 HRS	48	0
HIGH TEMP OP LIFE	0651	MAX9750AETI+	135C, 5.25V	1000 HRS	80	0
HIGH TEMP OP LIFE	0652	MAX9705BEUB+	135C, 5.25V	1000 HRS	48	0
HIGH TEMP OP LIFE	0703	MAX9750CETI+	135C, 5.25V	1000 HRS	69	0
HIGH TEMP OP LIFE	0707	MAX9505ETE+	135C, 5.25V	1000 HRS	43	0
HIGH TEMP OP LIFE	0721	MAX9750AETI+	135C, 5.25V	1000 HRS	80	0
HIGH TEMP OP LIFE	0724	MAX9723DETE+	135C, 5.25V	1000 HRS	48	0
		MAX9750CETI+	135C, 5.25V	1000 HRS	69	0
HIGH TEMP OP LIFE	0725	MAX5774UCB+	135C, 5.25V	1000 HRS	46	0
HIGH TEMP OP LIFE	0726	MAX5935CAX	135C, 5.25V	1000 HRS	77	0
HIGH TEMP OP LIFE	N/A	MAX3001EEBP+T	135C, 5.25V	1000 HRS	45	0
			135C, 5.25V	1000 HRS	45	0
		MAX4760EBX+T	135C, 5.25V	1000 HRS	45	0
		MAX3001EEBP+T	135C, 5.25V	1000 HRS	44	0
			135C, 5.25V	1000 HRS	45	0
Total:					0	0

FAILURE RATE:

MTTF (YRS): 399191

FITS: 0.3