



1/25/2008

RELIABILITY MONITOR REPORT
FOR

MFN Poly Emitter Complementary Bipolar

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:

806-0632-20	LMX324AUD+	MAX2470EUT	MAX3902RELET	MAX4166ELA+
MAX4166ESA	MAX4166ESA+	MAX4167ESA	MAX4167ESA+	MAX4313ESA
MAX4383EUD+	MAX9201AL1	MAX942CPA+	MAX942CSA	MAX942CSA+
MAX9972BCCS				

The calculated failure rate for devices using this process is:

FAILURE RATE: **MTTF (YRS): 269551** **FITS: 0.4**

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: MFN Poly Emitter Complementary Bipolar

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	054	MAX4166ELA+	135C, 5.25V	1000 HRS	45	0	
HIGH TEMP OP LIFE	0538	MAX9972BCCS	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0540	MAX4166ELA+	135C, 5.25V 135C, 5.25V	1000 HRS 1000 HRS	45 45	0 0	
HIGH TEMP OP LIFE	0542	MAX9201AL1	135C, 5.25V	1000 HRS	149	0	
HIGH TEMP OP LIFE	0546	806-0632-20	135C, 5.25V	1000 HRS	45	0	
HIGH TEMP OP LIFE	0548	MAX4166ESA	135C, 5.25V	1000 HRS	77	0	
HIGH TEMP OP LIFE	0605	MAX2470EUT	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0606	MAX3902RELETG	135C, 5.25V	1000 HRS	50	0	
HIGH TEMP OP LIFE	0611	MAX4383EUD+	135C, 5.25V	1000 HRS	75	0	
HIGH TEMP OP LIFE	0624	MAX9972BCCS	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0625	MAX4166ESA+	135C, 5.25V	1000 HRS	80	0	
HIGH TEMP OP LIFE	0627	MAX942CPA+	135C, 5.25V	1000 HRS	80	0	
HIGH TEMP OP LIFE	0628	LMX324AUD+	135C, 5.25V	1000 HRS	77	0	
HIGH TEMP OP LIFE	0631	MAX4313ESA	135C, 5.25V	1000 HRS	80	0	
HIGH TEMP OP LIFE	0634	MAX4167ESA	135C, 5.25V	1000 HRS	80	0	
HIGH TEMP OP LIFE	0640	MAX942CSA	135C, 5.25V	1000 HRS	79	0	
HIGH TEMP OP LIFE	0651	MAX4167ESA+	135C, 5.25V	1000 HRS	80	0	
HIGH TEMP OP LIFE	0720	MAX4167ESA+	135C, 5.25V	1000 HRS	80	0	
		MAX942CSA+	135C, 5.25V	1000 HRS	80	0	

FAILURE RATE:

MTTF (YRS): 269551

FITS: 0.4

Total:

0