



1/25/2008

**RELIABILITY MONITOR REPORT  
FOR**

**MFN Dual Poly NPN 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:

MAX2360ECM+	MAX3780CCQ+	MAX3782UGK
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The calculated failure rate for devices using this process is:

**FAILURE RATE:**                      **MTTF (YRS): 69955**                      **FITS: 1.6**

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 and .

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**Process Information:**

Process Description:                      MFN Dual Poly NPN Bipolar

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**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	0550	MAX3780CCQ+	135C, 5.25V	1000 HRS	42	0	
			135C, 5.25V	1000 HRS	42	0	
			135C, 5.25V	1000 HRS	42	0	
		MAX2360ECM+	135C, 5.25V	1000 HRS	42	0	
			135C, 5.25V	1000 HRS	42	0	
HIGH TEMP OP LIFE	0619	MAX3782UGK	135C, 5.25V	1000 HRS	40	0	
HIGH TEMP OP LIFE	0624	MAX3782UGK	135C, 5.25V	1000 HRS	37	0	
HIGH TEMP OP LIFE	0641	MAX3782UGK	135C, 5.25V	1000 HRS	37	0	
HIGH TEMP OP LIFE	0729	MAX3782UGK	135C, 5.25V	1000 HRS	37	0	
<b>Total:</b>						<b>0</b>	

**FAILURE RATE:**                      **MTTF (YRS): 69955**                      **FITS: 1.6**