



1/25/2008

RELIABILITY MONITOR REPORT  
FOR

**MFN 80V Bipolar CMOS DMOS**

**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:

MAX13020ASA+	MAX13041ASD+	MAX13050ESA	MAX16800ATE+	MAX16806ATP+
MAX4081FAUA	MAX5026EUT	MAX9704ETJ+	MAX9714ETJ	MAX9714ETJ+
MAX9714ETJ-C2				

The calculated failure rate for devices using this process is:

**FAILURE RATE:**                      **MTTF (YRS): 171691**                      **FITS: 0.7**

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 80V Bipolar CMOS DMOS

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	0502	MAX5026EUT	135C, 5.25V	1000 HRS	77	0	
HIGH TEMP OP LIFE	0534	MAX9714ETJ-C2H	135C, 5.25V	1000 HRS	47	0	
HIGH TEMP OP LIFE	0538	MAX13050ESA	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0549	MAX16800ATE+	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0608	MAX13020ASA+	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0609	MAX16800ATE+	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0610	MAX9714ETJ	135C, 5.25V	1000 HRS	47	0	
HIGH TEMP OP LIFE	0624	MAX9704ETJ+	135C, 5.25V	1000 HRS	47	0	
HIGH TEMP OP LIFE	0627	MAX16806ATP+	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0640	MAX9714ETJ+	135C, 5.25V	1000 HRS	46	0	
HIGH TEMP OP LIFE	0645	MAX13041ASD+	135C, 5.25V	1000 HRS	80	0	
			135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0650	MAX9714ETJ+	135C, 5.25V	1000 HRS	47	0	
HIGH TEMP OP LIFE	0708	MAX4081FAUA+	135C, 5.25V	1000 HRS	47	0	
HIGH TEMP OP LIFE	0712	MAX9714ETJ+	135C, 5.25V	1000 HRS	80	0	
HIGH TEMP OP LIFE	0726	MAX9714ETJ+	135C, 5.25V	1000 HRS	80	0	
<b>Total:</b>						<b>0</b>	

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