

8/1/2019



**RELIABILITY MONITOR REPORT
FOR**

MFN S3

MAXIM INTEGRATED

**160 RIO ROBLES
SAN JOSE, CA 95134**

**This Report was prepared by
MAXIM INTEGRATED 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:

MAX125CEAX+	MAX4581EUE+	MAX4582CUE+	MAX4583CUE+	MAX6350ESA+
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 92628 QUANTITY: 478 FAILS: 0 FITS: 1.2

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 S3

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1804	MAX4582CUE+	125°C	1000 HRS	80	0	NADG838A7DX
HIGH TEMP OP LIFE	1820	MAX6350ESA+	125°C	1000 HRS	80	0	NACQ32426B
HIGH TEMP OP LIFE	1820	MAX4581EUE+	125°C	1000 HRS	79	0	NADG720B4A
HIGH TEMP OP LIFE	1829	MAX125CEAX+	125°C	1000 HRS	80	0	NBPZ62621A
HIGH TEMP OP LIFE	1837	MAX4581EUE+	125°C	1000 HRS	80	0	NADG7A3B0AA
HIGH TEMP OP LIFE	1913	MAX4583CUE+	125°C	1000 HRS	79	0	NADG9A6B3I
					Total:	0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1804	MAX4582CUE+	150°C	1000 HRS	80	0	NADG838A7DX
STORAGE LIFE	1837	MAX4581EUE+	150°C	1000 HRS	80	0	NADG7A3B0AA
STORAGE LIFE	1913	MAX4583CUE+	150°C	1000 HRS	80	0	NADG9A6B3I
					Total:	0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1804	MAX4582CUE+	-65C TO +150C (Condition C)	1000 CYS	80	0	NADG838A7DX
TEMP CYCLE, 5' RAMP, 10' DWELL	1837	MAX4581EUE+	-65C TO +150C (Condition C)	1000 CYS	80	0	NADG7A3B0AA
TEMP CYCLE, 5' RAMP, 10' DWELL	1913	MAX4583CUE+	-65C TO +150C (Condition C)	1000 CYS	80	0	NADG9A6B3I

Total: 0

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1837	MAX4581EUE+	130C, 85% R.H.	96 HRS	77	0	NADG7A3B0AA
BIASED MOISTURE	1913	MAX4583CUE+	130C, 85% R.H.	96 HRS	78	0	NADG9A6B3I
Total:						0	

FAILURE RATE: MTTF (YRS): 92628 QUANTITY: 478 FAILS: 0 FITS: 1.2