



10/8/10

RELIABILITY MONITOR REPORT
FOR

MFN Poly Emitter Complementary Bipolar (CB40)

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:

806-0714-20+	MAX9972ACCS	MAX9979KCTK
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The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 50965 QUANTITY: 260 FAILS: 0 FITS: 2.2

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 10/1/2009 and 9/30/2010 .

Process Information:

Process Description: MFN Poly Emitter Complementary Bipolar (CB40)

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	0851	MAX9972ACCS+	135C	2000 HRS	47	0	NWD0D4006EC
HIGH TEMP OP LIFE	0935	MAX9972ACCS+	135C	1000 HRS	27	0	NWD0FA015BA
HIGH TEMP OP LIFE	1006	806-0714-20+	135C	1000 HRS	47	0	N23Q14003
HIGH TEMP OP LIFE	1006	806-0714-20+	135C	500 HRS	44		N23Q14004G
HIGH TEMP OP LIFE	1010	806-0714-20+	135C	1000 HRS	48	0	N23Q14002E
HIGH TEMP OP LIFE	1014	806-0714-20+	135C	1000 HRS	47	0	N23Q14004J
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1006	806-0714-20+	150C	1000 HRS	76	0	N23Q14002A
STORAGE LIFE	1006	806-0714-20+	150C	1000 HRS	77	0	N23Q14003B
STORAGE LIFE	1006	806-0714-20+	150C	500 HRS	77	0	N23Q14003H
STORAGE LIFE	1006	806-0714-20+	150C	1000 HRS	77	0	N23Q14004H
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1006	806-0714-20+	-65C TO 150C	1000 CYS	77	0	N23Q14002A
TEMP CYCLE, 5' RAMP, 10' DWELL	1006	806-0714-20+	-65C TO 150C	1000 CYS	77	0	N23Q14003B
TEMP CYCLE, 5' RAMP, 10' DWELL	1006	806-0714-20+	-65C TO 150C	1000 CYS	77	0	N23Q14004H
Total:						0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	0944	MAX9979KCTK+	130C, 85% R.H.	41 HRS	41	0	NERWG3003C

Total: 0

FAILURE RATE: MTTF (YRS): 50965 QUANTITY: 260 FAILS: 0 FITS: 2.2