10/14/2016

RELIABILITY MONITOR REPORT
FOR

MFN Poly Emitter Complementary Bipolar (CB40)

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:

806-0696-20+	806-0696-23+	MAX9972ACCS

The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 23060 QUANTITY: 160 FAILS: 0 FITS: 5.0

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 7/1/2016 and 9/30/2016 .

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	1519	806-0696-20+	135°C	500	HRS	80	0	NAHR72043B
HIGH TEMP OP LIFE	1626	MAX9972ACCS+	135°C	1000	HRS	80	0	NAAV13104B
					Total:		**0**	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT		QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1533	806-0696-23+	150°C	1000	HRS	80	0	NAHR7A055A
STORAGE LIFE	1626	MAX9972ACCS+	150°C	1000	HRS	80	0	NAAV13104B
					Total:		**0**	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT		QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1626	MAX9972ACCS+	-65C TO +150C (Condition C)	500	CYS	80	0	NAAV13104B
					Total:		**0**	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT		QUANTITY	FAILS	LOT NO.
MOISTURE SOAK	1626	MAX9972ACCS+	130C, 85% R.H.	1000	HRS	80	0	NAAV13104B
					Total:		**0**	

FAILURE RATE: MTTF (YRS): 23060 QUANTITY: 160 FAILS: 0 FITS: 5.0