10/27/2020

RELIABILITY MONITOR REPORT
FOR

MFN M5

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:

MAX202ECEE+	MAX253ESA+	MAX845ESA+

The calculated failure rate for devices using this process is:

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 7/1/2020 and 9/30/2020 .

Process Information:

Process Description: MFN M5

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT		QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1912	MAX845ESA+	150°C	1000	HRS	80	0	NCVBCA3B5AX
STORAGE LIFE	1951	MAX253ESA+	150°C	1000	HRS	80	0	NCVACA6B5CX
STORAGE LIFE	2012	MAX253ESA+	150°C	1000	HRS	80	0	NCVACA7B8DX
STORAGE LIFE	2024	MAX253ESA+	150°C	1000	HRS	80	0	NCVACA9B7A
					Total:		**0**	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT		QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1912	MAX845ESA+	-65C TO +150C (Condition C)	500	CYS	80	0	NCVBCA3B5AX
TEMP CYCLE, 5' RAMP, 10' DWELL	1951	MAX253ESA+	-65C TO +150C (Condition C)	1000	CYS	80	0	NCVACA6B5CX
TEMP CYCLE, 5' RAMP, 10' DWELL	2012	MAX253ESA+	-65C TO +150C (Condition C)	500	CYS	80	0	NCVACA7B8DX
TEMP CYCLE, 5' RAMP, 10' DWELL	2024	MAX253ESA+	-65C TO +150C (Condition C)	500	CYS	80	0	NCVACA9B7A
					Total:		**0**	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT		QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1912	MAX845ESA+	130C, 85% R.H.	96	HRS	80	0	NCVBCA3B5AX
BIASED MOISTURE	1951	MAX253ESA+	130C, 85% R.H.	96	HRS	80	0	NCVACA6B5CX
BIASED MOISTURE	2012	MAX253ESA+	130C, 85% R.H.	96	HRS	79	0	NCVACA7B8DX

BIASED MOISTURE	2024	MAX253ESA+	130C, 85% R.H.	96	HRS	77	0	NCVACA9B7A
					Total:		**0**	