

6/25/2020



**RELIABILITY MONITOR REPORT
FOR**

MFN DM18

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:

MAX14813EWX	MAX14866UTM
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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 1/1/2020 and 3/31/2020 .

Process Information:

Process Description: MFN DM18

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1942	MAX14866UTM+	150°C	1000 HRS	80	0	JBQD13015CX
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1942	MAX14866UTM+	-65C TO +150C (Condition C)	1000 CYS	80	0	JBQD13015CX
Total:						0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1934	MAX14813EWX+	130C, 85% R.H.	264 HRS	68	0	JBQA83042B
BIASED MOISTURE	1934	MAX14813EWX+	130C, 85% R.H.	264 HRS	70	0	JBQA83042C
BIASED MOISTURE	1934	MAX14813EWX+	130C, 85% R.H.	264 HRS	70	0	JBQA83042D
Total:						0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
MOISTURE SOAK	1942	MAX14866UTM+	130C, 85% R.H.	96 HRS	80	0	JBQD13015CX
Total:						0	