

10/27/2017



**RELIABILITY MONITOR REPORT  
FOR**

**MFN C3**

**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:

MAX3222EEUP+	MAX3232EEUP+	MAX3232EUE+	MAX3232EUE+
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The calculated failure rate for devices using this process is:

**FAILURE RATE:    MTTF (YRS): 61816    QUANTITY: 319    FAILS: 0    FITS: 1.8**

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 7/1/2017 and 9/30/2017 .

**Process Information:**

Process Description:            MFN C3

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1622	MAX3232EEUP+	135°C	1000 HRS	79	0	JAKC4A078BC
HIGH TEMP OP LIFE	1644	MAX3232EUE+	135°C	1000 HRS	80	0	J2DXBA351CX
HIGH TEMP OP LIFE	1703	MAX3232EUE+	135°C	1000 HRS	80	0	J2DXBA374FX
HIGH TEMP OP LIFE	1718	MAX3222EEUP+	135°C	1000 HRS	80	0	JAJZ33106EX
<b>Total:</b>						<b>0</b>	

**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1622	MAX3232EEUP+	150°C	1000 HRS	79	0	JAKC4A078BC
STORAGE LIFE	1644	MAX3232EUE+	150°C	1000 HRS	80	0	J2DXBA351CX
STORAGE LIFE	1703	MAX3232EUE+	150°C	1000 HRS	80	0	J2DXBA374FX
STORAGE LIFE	1718	MAX3222EEUP+	150°C	1000 HRS	80	0	JAJZ33106EX
<b>Total:</b>						<b>0</b>	

**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1622	MAX3232EEUP+	-65C TO +150C (Condition C)	1000 CYS	79	0	JAKC4A078BC
TEMP CYCLE, 5' RAMP, 10' DWELL	1644	MAX3232EUE+	-65C TO +150C (Condition C)	1000 CYS	80	0	J2DXBA351CX
TEMP CYCLE, 5' RAMP, 10' DWELL	1703	MAX3232EUE+	-65C TO +150C (Condition C)	1000 CYS	80	0	J2DXBA374FX

TEMP CYCLE, 5' RAMP, 10' DWELL	1718	MAX3222EEUP+	-65C TO +150C (Condition C)	1000	CYS	80	0	JAJZ33106EX
<b>Total:</b>							<b>0</b>	

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**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
BIASED MOISTURE	1622	MAX3232EEUP+	130C, 85%	96	HRS	79	0 JAKC4A078BC	
BIASED MOISTURE	1644	MAX3232EUE+	130C, 85%	96	HRS	80	0 J2DXBA351CX	
BIASED MOISTURE	1703	MAX3232EUE+	130C, 85%	96	HRS	80	0 J2DXBA374FX	
BIASED MOISTURE	1718	MAX3222EEUP+	130C, 85%	96	HRS	78	0 JAJZ33106EX	
<b>Total:</b>							<b>0</b>	
<b>FAILURE RATE:</b>	<b>MTTF (YRS): 61816</b>		<b>QUANTITY: 319</b>	<b>FAILS: 0</b>		<b>FITS: 1.8</b>		