

7/10/2017



**RELIABILITY MONITOR REPORT  
FOR**

**MFN B3**

**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:

MAX1745EUB/V	MAX3082EESA+	MAX485CSA+
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The calculated failure rate for devices using this process is:

**FAILURE RATE:    MTTF (YRS): 42826    QUANTITY: 219    FAILS: 0    FITS: 2.7**

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 4/1/2017 and 6/30/2017 .

**Process Information:**

Process Description:            MFN B3

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1630	MAX3082EESA+	135°C	1000 HRS	80	0	JAGL5U564AX
HIGH TEMP OP LIFE	1641	MAX485CSA+	135°C	1000 HRS	61	0	JABM0A667AX
HIGH TEMP OP LIFE	1710	MAX1745EUB/V+	135°C	1000 HRS	78	0	J3KBIA444DX
<b>Total:</b>						<b>0</b>	

**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1630	MAX3082EESA+	150°C	1000 HRS	80	0	JAGL5U564AX
STORAGE LIFE	1641	MAX485CSA+	150°C	1000 HRS	80	0	JABM0A667AX
STORAGE LIFE	1710	MAX1745EUB/V+	150°C	1000 HRS	80	0	J3KBIA444DX
<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	1619	MAX3082EESA+	-65C TO +150C (Condition C)	1000 CYS	80	0	JAGL5A532A
TEMP CYCLE, 5' RAMP, 10' DWELL	1630	MAX3082EESA+	-65C TO +150C (Condition C)	1000 CYS	80	0	JAGL5U564AX
TEMP CYCLE, 5' RAMP, 10' DWELL	1641	MAX485CSA+	-65C TO +150C (Condition C)	1000 CYS	80	0	JABM0A667AX
TEMP CYCLE, 5' RAMP, 10' DWELL	1710	MAX1745EUB/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	J3KBIA444DX
<b>Total:</b>						<b>0</b>	

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**TEMPERATURE HUMIDITY BIAS**

<b>DESCRIPTION</b>	<b>DATE CODE</b>	<b>TEST VEHICLE</b>	<b>CONDITION</b>	<b>READPOINT</b>	<b>QUANTITY</b>	<b>FAILS</b>	<b>LOT NO.</b>
BIASED MOISTURE	1630	MAX3082EESA+	130C, 85%	96	HRS	80	0 JAGL5U564AX
BIASED MOISTURE	1641	MAX485CSA+	130C, 85%	96	HRS	80	0 JABM0A667AX
BIASED MOISTURE	1710	MAX1745EUB/V+	130C, 85%	96	HRS	80	0 J3KBIA444DX
					<b>Total:</b>	<b>0</b>	
<b>FAILURE RATE:</b>	<b>MTTF (YRS):</b>	<b>42826</b>	<b>QUANTITY:</b>	<b>219</b>	<b>FAILS:</b>	<b>0</b>	<b>FITS: 2.7</b>