

7/10/2017



**RELIABILITY MONITOR REPORT  
FOR**

**MFN CB5HV**

**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:

MAX9643TASA
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The calculated failure rate for devices using this process is:

**FAILURE RATE:    MTTF (YRS): 45151    QUANTITY: 233    FAILS: 0    FITS: 2.5**

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 CB5HV

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1612	MAX9643TASA+	135°C	1000 HRS	79	0	JA0053004Q2
HIGH TEMP OP LIFE	1612	MAX9643TASA+	135°C	1000 HRS	77	0	JA0053004Q3
HIGH TEMP OP LIFE	1612	MAX9643TASA+	135°C	1000 HRS	77	0	JA0053004Q1
<b>Total:</b>						<b>0</b>	

**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1612	MAX9643TASA+	150°C	1000 HRS	80	0	JA0053004Q1
STORAGE LIFE	1612	MAX9643TASA+	150°C	1000 HRS	80	0	JA0053004Q2
STORAGE LIFE	1612	MAX9643TASA+	150°C	1000 HRS	80	0	JA0053004Q3
<b>Total:</b>						<b>0</b>	

**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
MOISTURE SOAK	1612	MAX9643TASA+	130C, 85%	96 HRS	80	0	JA0053004Q1
MOISTURE SOAK	1612	MAX9643TASA+	130C, 85%	96 HRS	80	0	JA0053004Q2
MOISTURE SOAK	1612	MAX9643TASA+	130C, 85%	96 HRS	80	0	JA0053004Q3
<b>Total:</b>						<b>0</b>	

**FAILURE RATE:    MTTF (YRS): 45151    QUANTITY: 233    FAILS: 0    FITS: 2.5**