

6/25/2020



**RELIABILITY MONITOR REPORT  
FOR**

**MFN M6HV**

**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:

DG201ACSE+	DG211CSE+
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The calculated failure rate for devices using this process is:

**FAILURE RATE: MTTF (YRS): 46314 QUANTITY: 239 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 1/1/2020 and 3/31/2020 .

**Process Information:**

Process Description: MFN M6HV

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1836	DG211CSE+	125°C	1000 HRS	80	0	NRCAEA349FA
HIGH TEMP OP LIFE	1929	DG201ACSE+	125°C	1000 HRS	79	0	NRCAEA349IX
HIGH TEMP OP LIFE	1942	DG201ACSE+	125°C	1000 HRS	80	0	NRCAE3357CX
<b>Total:</b>						<b>0</b>	

**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1942	DG201ACSE+	150°C	1000 HRS	80	0	NRCAE3357CX
<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	1942	DG201ACSE+	-65C TO +150C (Condition C)	500 CYS	80	0	NRCAE3357CX
<b>Total:</b>						<b>0</b>	

**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1836	DG211CSE+	130C, 85% R.H.	96 HRS	80	0	NRCAEA349FA
BIASED MOISTURE	1942	DG201ACSE+	130C, 85% R.H.	96 HRS	80	0	NRCAE3357CX
<b>Total:</b>						<b>0</b>	

**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
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