

1/24/2019



**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): 45733 QUANTITY: 236 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 1/1/2019 and 12/31/2018.

Process Information:

Process Description: MFN M6HV

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1803	DG211CSE+	135°C	1000 HRS	80	0	NRCAEA345BX
HIGH TEMP OP LIFE	1822	DG211CSE+	125°C	1000 HRS	77	0	NRCAE3348CX
HIGH TEMP OP LIFE	1825	DG201ACSE+	125°C	1000 HRS	79	0	NRCAE3348EX
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1803	DG211CSE+	150°C	1000 HRS	80	0	NRCAEA345BX
STORAGE LIFE	1822	DG211CSE+	150°C	500 HRS	80	0	NRCAE3348CX
STORAGE LIFE	1825	DG201ACSE+	150°C	1000 HRS	78	0	NRCAE3348EX
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	DG211CSE+	-65C TO +150C (Condition C)	1000 CYS	79	0	NRCAEA345BX
TEMP CYCLE, 5' RAMP, 10' DWELL	1822	DG211CSE+	-65C TO +150C (Condition C)	1000 CYS	80	0	NRCAE3348CX
TEMP CYCLE, 5' RAMP, 10' DWELL	1825	DG201ACSE+	-65C TO +150C (Condition C)	1000 CYS	80	0	NRCAE3348EX
Total:						0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
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BIASED MOISTURE	1803	DG211CSE+	130C, 85% R.H. 96	HRS	80	0	NRCAEA345BX
BIASED MOISTURE	1822	DG211CSE+	130C, 85% R.H.	HRS	80	0	NRCAE3348CX
BIASED MOISTURE	1825	DG201ACSE+	130C, 85% R.H. 96	HRS	80	0	NRCAE3348EX
					Total:	0	

FAILURE RATE: **MTTF (YRS): 45733** **QUANTITY: 236** **FAILS: 0** **FITS: 2.5**