

8/1/2019



**RELIABILITY MONITOR REPORT  
FOR**

**MFN GST30**

**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:

MAX2640AUT+T
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The calculated failure rate for devices using this process is:

**FAILURE RATE:    MTTF (YRS): 15309    QUANTITY: 79    FAILS: 0    FITS: 7.5**

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 4/1/2019 and 8/1/2019 .

**Process Information:**

Process Description:            MFN GST30

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1850	MAX2640AUT+T	125°C	1000 HRS	79	0	NT3BDA228DA
<b>Total:</b>						<b>0</b>	

**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1832	MAX2640AUT+T	150°C	1000 HRS	78	0	NT3BD3226AB
STORAGE LIFE	1850	MAX2640AUT+T	150°C	1000 HRS	80	0	NT3BDA228DA
<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	1832	MAX2640AUT+T	-65C TO +150C (Condition C)	1000 CYS	80	0	NT3BD3226AB
TEMP CYCLE, 5' RAMP, 10' DWELL	1850	MAX2640AUT+T	-65C TO +150C (Condition C)	1000 CYS	80	0	NT3BDA228DA
<b>Total:</b>						<b>0</b>	

**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1832	MAX2640AUT+T	130C, 85% R.H. 96	HRS	80	0	NT3BD3226AB
BIASED MOISTURE	1850	MAX2640AUT+T	130C, 85% R.H. 96	HRS	80	0	NT3BDA228DA
<b>Total:</b>						<b>0</b>	

**FAILURE RATE:    MTTF (YRS): 15309    QUANTITY: 79    FAILS: 0    FITS: 7.5**