

7/10/2017



**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:

MAX2640EUT+	MAX3726UTG+
-------------	-------------

The calculated failure rate for devices using this process is:

**FAILURE RATE:    MTTF (YRS): 34106    QUANTITY: 176    FAILS: 0    FITS: 3.3**

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 GST30

---

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1634	MAX3726UTG+	135°C	1000 HRS	48	0	NYR1CA357AX
HIGH TEMP OP LIFE	1642	MAX3726UTG+	135°C	1000 HRS	48	0	NYR1C3358AX
HIGH TEMP OP LIFE	1642	MAX3726UTG+	135°C	1000 HRS	32	0	NYR1C3358AX
HIGH TEMP OP LIFE	1647	MAX3726UTG+	135°C	1000 HRS	48	0	NYR1C3358BA
<b>Total:</b>						<b>0</b>	

---

**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1546	MAX2640EUT+	150°C	1000 HRS	80	0	NT3BD3211IA
STORAGE LIFE	1634	MAX3726UTG+	150°C	1000 HRS	80	0	NYR1CA357AX
STORAGE LIFE	1642	MAX3726UTG+	150°C	1000 HRS	80	0	NYR1C3358AX
STORAGE LIFE	1647	MAX3726UTG+	150°C	1000 HRS	80	0	NYR1C3358BA
<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	1546	MAX2640EUT+	-65C TO +150C (Condition C)	1000 CYS	80	0	NT3BD3211IA
TEMP CYCLE, 5' RAMP, 10' DWELL	1634	MAX3726UTG+	-65C TO +150C (Condition C)	1000 CYS	80	0	NYR1CA357AX
TEMP CYCLE, 5' RAMP, 10' DWELL	1642	MAX3726UTG+	-65C TO +150C (Condition C)	1000 CYS	80	0	NYR1C3358AX

TEMP CYCLE, 5' RAMP, 10' DWELL	1647	MAX3726UTG+	-65C TO +150C (Condition C)	1000	CYS	80	0	NYR1C3358BA
<b>Total:</b>							<b>0</b>	

---

**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1634	MAX3726UTG+	130C, 85%	96	HRS	80	0 NYR1CA357AX
BIASED MOISTURE	1642	MAX3726UTG+	130C, 85%	96	HRS	80	0 NYR1C3358AX
BIASED MOISTURE	1647	MAX3726UTG+	130C, 85%	96	HRS	80	0 NYR1C3358BA
<b>Total:</b>							<b>0</b>
<b>FAILURE RATE:</b>	<b>MTTF (YRS): 34106</b>		<b>QUANTITY: 176</b>	<b>FAILS: 0</b>		<b>FITS: 3.3</b>	