

4/23/2015



**RELIABILITY MONITOR REPORT
FOR**

MFN Metal Gate 5um (M5)

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:

| |
|------------|
| MAX211CAI+ |
|------------|

The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 15503 QUANTITY: 80 FAILS: 0 FITS: 7.4

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 4/1/2014 and 3/31/2015 .

Process Information:

Process Description: MFN Metal Gate 5um (M5)

OPERATING LIFE

| DESCRIPTION | DATE CODE | TEST VEHICLE | CONDITION | READPOINT | QUANTITY | FAILS | LOT NO. |
|----------------------|--------------------------|--------------|---------------------|-----------|-----------------|----------|------------------|
| HIGH TEMP OP LIFE | 1425 | MAX211CAI+ | 135°C | 1000 HRS | 80 | 0 | NP1026960 |
| Total: | | | | | | 0 | |
| FAILURE RATE: | MTTF (YRS): 15503 | | QUANTITY: 80 | | FAILS: 0 | | FITS: 7.4 |