

10/23/2014



**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:

MAX843ISA+

The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 7751 QUANTITY: 80 FAILS: 0 FITS: 14.7

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 10/1/2013 and 9/30/2014 .

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	1213	MAX843ISA+	135°C	500 HRS	80	0	R26013CQ5
				Total:		0	

FAILURE RATE: MTTF (YRS): 7751 QUANTITY: 80 FAILS: 0 FITS: 14.7