



4/20/2008

RELIABILITY MONITOR REPORT
FOR

SOT Package

MAXIM Integrated Products

120 San Gabriel Dr.
Sunnyvale, CA 94086

This Report was prepared by
Maxim Reliability Engineering

Summary:

The data in the tables that follow was generated as the result of an on-going Package Reliability Monitor. The specific assemblies included in this package monitor are:

ASSY SITE	PINS	PACKAGE		
Carsem	5	SOT23 (Pb-Free)	UNK	6 SOT23
UNK	8	SOT23		

The calculated failure rate for this assembly is:

FAILURE RATE: MTTF (YRS): 70537 FITS: 1.6

The parameters used to calculate this failure rate are as follows:

Cf: 60% Ea: 0.7 Tu: 25 °C

The reliability data follows. At the start of this data is a description of the assembly vehicle used to generate this reliability data. The next section is the detailed reliability data for each stress. The reliability data section includes the latest data available. This report covers data between 4/1/2007 and 3/31/2008

Assembly Information:

Package Type: SOT23
Flammability: UL 94-V0
Date Code Range: to

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE		MAX2680EUT+T	135C, 5.25V	1000 HRS	77	0	
		MAX2680EUT+	135C, 5.25V	1000 HRS	79	0	
		MAX2680EUT+T	135C, 5.25V	1000 HRS	80	0	
		MAX9018BEKA+	135C, 5.25V	1000 HRS	48	0	
		MAX6043BAUT25	135C, 5.25V	1000 HRS	48	0	
		MAX9018BEKA+	135C, 5.25V	1000 HRS	32	0	
Total:						0	

Assembly Information:

Package Type: SOT23 (Pb-Free)
Flammability: UL 94-V0
Date Code Range: 0722 to 0722

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	0722	DS1814	150C	1000 HRS	77	0	
STORAGE LIFE	0722	DS1814	150C	1000 HRS	77	0	
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	0722	DS1814	-55C TO 125C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0722	DS1814	-55C TO 125C	1000 CYS	77	0	

FAILURE RATE: MTTF (YRS): 70537 FITS: 1.6

Total: 0