

4/23/2015



RELIABILITY MONITOR REPORT  
FOR

**PDIP Package**

**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 Package Reliability Monitor. The specific assemblies included in this package monitor are:

ASSY SITE	PINS PACKAGE
Cirtek	28 PDIP-HYB (Pb-Free)

The calculated failure rate for this assembly is:

**FAILURE RATE: MTTF (YRS): 57747 FITS: 2.0**

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

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**Assembly Information:**

Package Type: PDIP-HYB (Pb-Free)

Date Code Range: to

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**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE		MAX1480AEPI+	135°C	500 HRS	198	0	
HIGH TEMP OP LIFE		MAX1480AEPI+	135°C	500 HRS	198	0	
HIGH TEMP OP LIFE		MAX1480AEPI+	135°C	500 HRS	200	0	
<b>Total:</b>						<b>0</b>	

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**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX1480AEPI+	-65C TO +150C (Condition C)	100 CYS	100	1	
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX1480AEPI+	-65C TO +150C (Condition C)	100 CYS	100	0	
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX1480AEPI+	-65C TO +150C (Condition C)	100 CYS	100	0	
<b>Total:</b>						<b>1</b>	

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