

1/24/2019



RELIABILITY MONITOR REPORT
FOR

Power Cap 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
MPOC	34 Power Cap

Note: Due to the nature of the construction on this assembly, there is no operating life data collected.

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 10/1/2018 and 12/31/2018

Assembly Information:

Package Type: Power Cap
Flammability: UL 94-V0
Date Code Range: 1811 to 1811

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1811	90-1644P+120	150°C	1000 HRS	80	0	
STORAGE LIFE	1811	90-90340+PCX	150°C	1000 HRS	80	0	
STORAGE LIFE	1811	90-1644P+120	150°C	1000 HRS	80	0	
STORAGE LIFE	1811	90-90340+PCX	150°C	1000 HRS	78	0	
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	1811	90-1644P+120	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1811	90-90340+PCX	-40C TO +125C (Condition G)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1811	90-1644P+120	-40C TO +125C (Condition G)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1811	90-90340+PCX	-40C TO +125C (Condition G)	1000 CYS	80	0	
Total:						0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	1811	90-1644P+120	30C, 60% R.H.	1000 HRS	80	0	
MOISTURE SOAK	1811	90-90340+PCX	30C, 60% R.H.	1000 HRS	80	0	
MOISTURE SOAK	1811	90-1644P+120	30C, 60% R.H.	1000 HRS	80	0	

MOISTURE SOAK	1811	90- 90340+PCX	30C, 60% R.H.	1000 HRS	80	0
				Total:		0