



4/13/2009

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		
ASAT-DongGuan (C	6	TSOT23 (Pb-Free)	ATP (Amkor, PI)	6 TSOT23 (Pb-Free)
Carsem-M	6	SOT23	Carsem-M	5 SOT23 (Pb-Free)
Carsem-M	6	SOT23 (Pb-Free)	Cirtek	3 SOT23 (Pb-Free)
Hana AYUTHAYA	3	SOT223	Hana AYUTHAYA	5 SOT23 (Pb-Free)
ISPL (ATEC, PI)	5	SOT23	ISPL (ATEC, PI)	6 SOT23
ISPL (ATEC, PI)	5	SOT23 (Pb-Free)	ISPL (ATEC, PI)	6 SOT23 (Pb-Free)
ISPL (ATEC, PI)	6	TSOT23 (Pb-Free)	UTL (NSEB) UTAC	3 SOT23 (Pb-Free)
UTL (NSEB) UTAC	5	SOT23 (Pb-Free)		

The calculated failure rate for this assembly is:

**FAILURE RATE: MTTF (YRS): 228180 FITS: 0.5**

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 10/1/2007 and 9/30/2008.

**Assembly Information:**

Package Type: SOT223  
Date Code Range: 0710 to 0710

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	0710	DS1233	125C, 5.5 VOLTS	1000 HRS	80	0	
<b>Total:</b>						<b>0</b>	

**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	0710	DS1233	-55C TO 125C	1000 CYS	40	0	
<b>Total:</b>						<b>0</b>	

**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HAST	0710	DS1233	130C, 85%R.H.,5.5V	96 HRS	77	0	
HAST, NO BIAS	0710	DS1233	130C, 85% R.H.	96 HRS	40	0	
<b>Total:</b>						<b>0</b>	

**Assembly Information:**

Package Type: SOT23  
Date Code Range: 074 to 0746

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**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	0712	LMX331AUK+	135C	1000 HRS	80	0	
HIGH TEMP OP LIFE	0723	MAX2680EUT+T	135C	1000 HRS	77	0	
HIGH TEMP OP LIFE	0724	MAX2680EUT+T	135C	500 HRS	80	0	
HIGH TEMP OP LIFE	0724	MAX2680EUT+	135C	1000 HRS	79	0	
HIGH TEMP OP LIFE	0728	MAX2605EUT+	135C	1000 HRS	75	0	
<b>Total:</b>						<b>0</b>	

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**PACKAGE TESTS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
SOLDERABILITY (Pb-Free)	0706	MAX2605EUT+	JESD22-B102, COND C (245C)		30	0	
ULTRASOUND	0723	MAX2680EUT+	J-STD-020		22	0	
BOND STRENGTH	0723	MAX2680EUT+(AUT +)	> 5 GMS	30 WIRES	5	0	
ULTRASOUND	0724	MAX2680EUT+	J-STD-020		22	0	
BOND STRENGTH	0724	MAX2680EUT+(AUT +)	> 5 GMS	30 WIRES	10	0	
LEAD FINISH ADHESION	0728	MAX2605EUT+	MIL-STD-883-2025		5	0	
SOLDERABILITY (Pb-Free)	0728	MAX2605EUT+	JESD22-B102, COND C (245C)		30	0	
ULTRASOUND	0735	MAX2607EUT+	J-STD-020		22	0	
SOLDERABILITY (Pb-Free)	0735	MAX2607EUT+	JESD22-B102, COND C (245C)		30	0	
BOND STRENGTH	0739	MAX2680EUT+	> 5 GMS	30 WIRES	10	0	
BOND STRENGTH	0746	MAX2606EUT+	> 5 GMS	30 WIRES	10	0	
<b>Total:</b>						<b>0</b>	

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**PRECONDITIONING LEVEL 1**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
CONVECTION REFLOW	0723	MAX2680EUT+	260C +0/-5C	3 PASS	240	0	
CONVECTION REFLOW	0724	MAX2680EUT+	260C +0/-5C	3 PASS	240	0	
CONVECTION REFLOW	0728	MAX2605EUT+	260C +0/-5C	3 PASS	260	0	
CONVECTION REFLOW	0739	MAX2680EUT+T	260C +0/-5C	2 PASS	22	0	
CONVECTION REFLOW	0739	MAX2680AUT+	260C +0/-5C	3 PASS	154	0	
CONVECTION REFLOW	0746	MAX2606EUT+	260C +0/-5C	3 PASS	240	0	
<b>Total:</b>						<b>0</b>	

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**SOLDER HEAT**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
SOLDER HEAT	0728	MAX2605EUT+	260 C, 10SEC	1 PASS	30	0	
<b>Total:</b>						<b>0</b>	

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**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	0728	MAX2605EUT+	150C	1000 HRS	77	0	
STORAGE LIFE	0739	MAX2680EUT+T	150C	1000 HRS	45	0	
STORAGE LIFE	0739	MAX2680EUT+	150C	500 HRS	45	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	074	MAX2606EUT+	-65C TO 150C	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0723	MAX2680EUT+(AUT +)	-65C TO 150C	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0724	MAX2680EUT+(AUT +)	-65C TO 150C	1000 CYS	79	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0735	MAX2607EUT+	-65C TO 150C	500 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	MAX2680EUT+	-65C TO 150C	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	MAX2680EUT+T	-65C TO 150C	1000 CYS	80	0	
<b>Total:</b>						<b>0</b>	

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**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE	0702	MAX6412UK29+	130C, 85% R.H.	100 HRS	10	0	
BIASED MOISTURE	0712	LMX331AUK+	130C, 85% R.H.	96 HRS	77	0	
BIASED MOISTURE	0723	MAX2680EUT+(AUT +)	130C, 85% R.H.	96 HRS	80	0	
BIASED MOISTURE	0724	MAX2680EUT+(AUT +)	130C, 85% R.H.	96 HRS	80	0	
BIASED MOISTURE	0728	MAX2605EUT+	130C, 85% R.H.	96 HRS	77	0	
BIASED MOISTURE	0739	MAX2680AUT+	130C, 85% R.H.	96 HRS	80	0	
<b>Total:</b>						<b>0</b>	

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**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	0723	MAX2680EUT+(AUT +)	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	0724	MAX2680EUT+(AUT +)	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	0739	MAX2680AUT+	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	0746	MAX2606EUT+	130C, 85% R.H.	96 HRS	80	0	
<b>Total:</b>						<b>0</b>	

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**Assembly Information:**

Package Type: SOT23 (Pb-Free)

Date Code Range: 074 to 0827

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**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	0723	MAX2680EUT+T	135C	1000 HRS	77	0	
HIGH TEMP OP LIFE	0724	MAX2680EUT+T	135C	500 HRS	80	0	
HIGH TEMP OP LIFE	0724	MAX2680EUT+	135C	1000 HRS	79	0	
HIGH TEMP OP LIFE	0728	MAX2605EUT+	135C	1000 HRS	75	0	
HIGH TEMP OP LIFE	0733	MAX8863TEUK+T	135C	500 HRS	50	0	
HIGH TEMP OP LIFE	0813	MAX8863TEUK+T	135C	1000 HRS	48	0	
HIGH TEMP OP LIFE	0813	MAX8863TEUK+T	135C	1000 HRS	48	0	
HIGH TEMP OP LIFE	0813	MAX8863TEUK+T	135C	1000 HRS	48	0	
				<b>Total:</b>		<b>0</b>	

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**PACKAGE TESTS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
ULTRASOUND	0606	MAX834EUK+	J-STD-020		22	0	
ULTRASOUND	0619	MAX834EUK+	J-STD-020		22	0	
BOND STRENGTH	0619	MAX834EUK+	> 5 GMS	30 WIRES	10	0	
SOLDERABILITY (Pb-Free)	0706	MAX2605EUT+	JESD22-B102, COND C (245C)		30	0	
ULTRASOUND	0723	MAX2680EUT+	J-STD-020		22	0	
BOND STRENGTH	0723	MAX2680EUT+(AUT +)	> 5 GMS	30 WIRES	5	0	
ULTRASOUND	0724	MAX2680EUT+	J-STD-020		22	0	
BOND STRENGTH	0724	MAX2680EUT+(AUT +)	> 5 GMS	30 WIRES	10	0	
ULTRASOUND	0726	MAX834EUK+	J-STD-020		22	0	
SOLDERABILITY (Pb-Free)	0726	MAX834EUK+	JESD22-B102, COND C (245C)		15	0	
BOND STRENGTH	0726	MAX834EUK+	> 5 GMS	30 WIRES	10	0	
LEAD FINISH ADHESION	0728	MAX2605EUT+	MIL-STD-883-2025		5	0	
SOLDERABILITY (Pb-Free)	0728	MAX2605EUT+	JESD22-B102, COND C (245C)		30	0	
LEAD FINISH ADHESION	0733	MAX8863TEUK+T	MIL-STD-883-2025		10	0	
PHYSICAL DIMENSIONS	0733	MAX8863TEUK+T	JESD22-B100		15	0	
ULTRASOUND	0735	MAX2607EUT+	J-STD-020		22	0	
SOLDERABILITY (Pb-Free)	0735	MAX2607EUT+	JESD22-B102, COND C (245C)		30	0	
BOND STRENGTH	0739	MAX2680EUT+	> 5 GMS	30 WIRES	10	0	
BOND STRENGTH	0746	MAX2606EUT+	> 5 GMS	30 WIRES	10	0	
ULTRASOUND	0751	MAX4791EUK+T	J-STD-020		22	0	
SOLDERABILITY (Pb-Free)	0813	MAX8863TEUK+T	JESD22-B102, COND C (245C)		15	0	
				<b>Total:</b>		<b>0</b>	

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**PRECONDITIONING LEVEL 1**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
CONVECTION REFLOW	0606	MAX834EUK+	260C +/-5C	3	PASS	240	0
CONVECTION REFLOW	0619	MAX834EUK+	260C +/-5C	3	PASS	240	0
CONVECTION REFLOW	0723	MAX2680EUT+	260C +/-5C	3	PASS	240	0
CONVECTION REFLOW	0724	MAX2680EUT+	260C +/-5C	3	PASS	240	0
CONVECTION REFLOW	0726	MAX834EUK+	260C +/-5C	3	PASS	250	0
CONVECTION REFLOW	0728	MAX2605EUT+	260C +/-5C	3	PASS	260	0
CONVECTION REFLOW	0739	MAX2680EUT+T	260C +/-5C	2	PASS	22	0
CONVECTION REFLOW	0739	MAX2680AUT+	260C +/-5C	3	PASS	154	0
CONVECTION REFLOW	0746	MAX2606EUT+	260C +/-5C	3	PASS	240	0
CONVECTION REFLOW	0813	MAX8863TEUK+T	260C +/-5C	3	PASS	260	0
CONVECTION REFLOW	0813	MAX8863TEUK+T	260C +/-5C	3	PASS	260	0
CONVECTION REFLOW	0813	MAX8863TEUK+T	260C +/-5C	3	PASS	260	0
<b>Total:</b>						<b>0</b>	

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**SOLDER HEAT**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
SOLDER HEAT	0728	MAX2605EUT+	260 C, 10SEC	1	PASS	30	0
SOLDER HEAT	0733	MAX8863TEUK+T	260 C, 10SEC	1	PASS	15	0
<b>Total:</b>						<b>0</b>	

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**SOLDER SHOCK**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
SOLDER SHOCK	0733	MAX8863TEUK+T	300C	1	PASS	15	0
<b>Total:</b>						<b>0</b>	

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**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	0726	MAX834EUK+	150C	1000 HRS	45	0	
STORAGE LIFE	0728	MAX2605EUT+	150C	1000 HRS	77	0	
STORAGE LIFE	0733	MAX8863TEUK+T	150C	1000 HRS	77	0	
STORAGE LIFE	0733	MAX8863TEUK+T	150C	1000 HRS	77	0	
STORAGE LIFE	0733	MAX8863TEUK+T	150C	1000 HRS	77	0	
STORAGE LIFE	0739	MAX2680EUT+	150C	500 HRS	45	0	
STORAGE LIFE	0739	MAX2680EUT+T	150C	1000 HRS	45	0	
STORAGE LIFE	0744	DS1818	150C	1000 HRS	77	0	
STORAGE LIFE	0810	DS1814	150C	1000 HRS	75	0	
STORAGE LIFE	0810	DS1814	150C	1000 HRS	72	0	
STORAGE LIFE	0813	MAX8863TEUK+T	150C	1000 HRS	80	0	
STORAGE LIFE	0813	MAX8863TEUK+T	150C	1000 HRS	80	0	

STORAGE LIFE	0813	MAX8863TEUK+T	150C	1000 HRS	80	0
STORAGE LIFE	0827	DS2502	150C	1000 HRS	77	0
STORAGE LIFE	0827	DS2502	150C	1000 HRS	77	0
STORAGE LIFE	0827	DS2502	150C	1000 HRS	77	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	074	MAX2606EUT+	-65C TO 150C	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0606	MAX834EUK+	-65C TO 150C	1000 CYS	79	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0619	MAX834EUK+	-65C TO 150C	1000 CYS	30	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0723	MAX2680EUT+(AUT +)	-65C TO 150C	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0724	MAX2680EUT+(AUT +)	-65C TO 150C	1000 CYS	79	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0726	MAX834EUK+	-65C TO 150C	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0733	MAX8863TEUK+T	-65C TO 150C	500 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0735	MAX2607EUT+	-65C TO 150C	500 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	MAX2680EUT+	-65C TO 150C	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	MAX2680EUT+T	-65C TO 150C	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0744	DS1818	-55C TO 125C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0810	DS1814	-55C TO 125C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0810	DS1814	-55C TO 125C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0813	MAX8863TEUK+T	-65C TO 150C	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0813	MAX8863TEUK+T	-65C TO 150C	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0813	MAX8863TEUK+T	-65C TO 150C	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0813	MAX8863TEUK+T	-65C TO 150C	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0827	DS2502	-55C TO 125C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0827	DS2502	-55C TO 125C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0827	DS2502	-55C TO 125C	1000 CYS	77	0	
<b>Total:</b>						<b>0</b>	

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### TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
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BIASED MOISTURE	0619	MAX834EUK+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	0723	MAX2680EUT+(AUT +)	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	0724	MAX2680EUT+(AUT +)	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	0726	MAX834EUK+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	0728	MAX2605EUT+	130C, 85% R.H.	96	HRS	77	0
BIASED MOISTURE	0733	MAX8863TEUK+T	130C, 85% R.H.	100	HRS	50	0
BIASED MOISTURE	0733	MAX8863TEUK+T	130C, 85% R.H.	100	HRS	50	0
BIASED MOISTURE	0739	MAX2680AUT+	130C, 85% R.H.	96	HRS	80	0
HAST	0810	DS1814	130C, 85%R.H.,5.0V	100	HRS	79	0
HAST	0810	DS1814	130C, 85%R.H.,5.0V	100	HRS	79	0
BIASED MOISTURE	0813	MAX8863TEUK+T	130C, 85% R.H.	96	HRS	50	0
BIASED MOISTURE	0813	MAX8863TEUK+T	130C, 85% R.H.	96	HRS	50	0
BIASED MOISTURE	0813	MAX8863TEUK+T	130C, 85% R.H.	96	HRS	50	0
HAST	0827	DS2502	130C, 85%R.H.,5.5V	96	HRS	81	0
HAST	0827	DS2502	130C, 85%R.H.,5.5V	96	HRS	79	0
HAST	0827	DS2502	130C, 85%R.H.,5.5V	96	HRS	80	0
<b>Total:</b>							<b>0</b>

#### UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	0606	MAX834EUK+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	0619	MAX834EUK+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	0723	MAX2680EUT+(AUT +)	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	0724	MAX2680EUT+(AUT +)	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	0726	MAX834EUK+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	0739	MAX2680AUT+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	0746	MAX2606EUT+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	0751	MAX4791EUK+T	130C, 85% R.H.	100	HRS	80	0
HAST, NO BIAS	0810	DS1814	130C, 85% R.H.	100	HRS	77	0
HAST, NO BIAS	0810	DS1814	130C, 85% R.H.	100	HRS	77	0
HAST, NO BIAS	0827	DS2502	130C, 85% R.H.	100	HRS	72	0
HAST, NO BIAS	0827	DS2502	130C, 85% R.H.	100	HRS	77	0
HAST, NO BIAS	0827	DS2502	130C, 85% R.H.	100	HRS	77	0
<b>Total:</b>							<b>0</b>

#### Assembly Information:

Package Type: TSOT23 (Pb-Free)  
Date Code Range: 0802 to 0818



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**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	0802	MAX1589ETZ250+T	135C	1000 HRS	79	0	
HIGH TEMP OP LIFE	0802	MAX1589EZT250+T	135C	500 HRS	79	0	
HIGH TEMP OP LIFE	0806	MAX1589EZT250+T	135C	1000 HRS	79	0	
HIGH TEMP OP LIFE	0816	MAX5383EZT+	135C	1000 HRS	50	0	
HIGH TEMP OP LIFE	0816	MAX5383EZT+	135C	500 HRS	50	0	
HIGH TEMP OP LIFE	0816	MAX5383EZT+	135C	1000 HRS	50	0	
HIGH TEMP OP LIFE	0816	MAX5383EZT+	135C	1000 HRS	50	0	
HIGH TEMP OP LIFE	0818	MAX5383EZT+T	135C	500 HRS	50	0	
HIGH TEMP OP LIFE	0818	MAX5383EZT+T	135C	500 HRS	50	0	
HIGH TEMP OP LIFE	0818	MAX5383EZT+T	135C	500 HRS	50	0	
<b>Total:</b>						<b>0</b>	

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**PACKAGE TESTS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
PHYSICAL DIMENSIONS	0818	MAX5383EZT+T	JESD22-B100		15	0	
SOLDERABILITY (Pb-Free)	0818	MAX5383EZT+T	JESD22-B102, COND C (245C)		15	0	
PHYSICAL DIMENSIONS	0818	MAX5383EZT+T	JESD22-B100		15	0	
SOLDERABILITY (Pb-Free)	0818	MAX5383EZT+T	JESD22-B102, COND C (245C)		15	0	
PHYSICAL DIMENSIONS	0818	MAX5383EZT+T	JESD22-B100		15	0	
SOLDERABILITY (Pb-Free)	0818	MAX5383EZT+T	JESD22-B102, COND C (245C)		15	0	
<b>Total:</b>						<b>0</b>	

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**PRECONDITIONING LEVEL 1**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
CONVECTION REFLOW	0818	MAX5383EZT+T	260C +/-5C	3 PASS	250	0	
CONVECTION REFLOW	0818	MAX5383EZT+T	260C +/-5C	3 PASS	250	0	
CONVECTION REFLOW	0818	MAX5383EZT+T	260C +/-5C	3 PASS	250	0	
<b>Total:</b>						<b>0</b>	

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**SOLDER HEAT**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
SOLDER HEAT	0818	MAX5383EZT+T	260 C, 10SEC	1 PASS	15	0	
SOLDER HEAT	0818	MAX5383EZT+T	260 C, 10SEC	1 PASS	15	0	
SOLDER HEAT	0818	MAX5383EZT+T	260 C, 10SEC	1 PASS	15	0	
<b>Total:</b>						<b>0</b>	

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**SOLDER SHOCK**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
SOLDER SHOCK	0818	MAX5383EZT+T	300C	1 PASS	15	0	

SOLDER SHOCK	0818	MAX5383EZT+T	300C	1	PASS	15	0
SOLDER SHOCK	0818	MAX5383EZT+T	300C	1	PASS	15	0
<b>Total:</b>							<b>0</b>

**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	0818	MAX5383EZT+T	-65C TO 150C	1000 CYS	12	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0818	MAX5383EZT+T	-65C TO 150C	1000 CYS	79	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	0818	MAX5383EZT+T	-65C TO 150C	1000 CYS	80	0	
<b>Total:</b>							<b>0</b>

**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE	0818	MAX5383EZT+T	130C, 85% R.H.	96 HRS	50	0	
<b>Total:</b>							<b>0</b>

**FAILURE RATE: MTTF (YRS): 228180 FITS: 0.5**