

**RELIABILITY MONITOR REPORT  
FOR**

**0.6  $\mu\text{m}$  Process**

**Dallas Semiconductor**

**4401 South Beltwood Parkway  
Dallas, TX 75244-3292**

**This Report was prepared by  
Dallas Semiconductor Reliability Engineering**

**Summary:**

The data in the tables that follow was generated as the result of an on-going Process Reliability Monitor. The products covered by this process monitor are:

DS1002	DS1050	DS1052	DS1077	DS1077L
DS1085	DS1085L	DS1086	DS1086H	DS1086L
DS1087L	DS1090	DS1094L	DS1100	DS1100L
DS1102L	DS1110	DS1110L	DS1123L	DS1135
DS1135L	DS12885	DS12R885	DS12R885-5	DS1310
DS1311	DS1318	DS1337	DS1337C	DS1338
DS1338-3	DS1338-33	DS1338C	DS1339	DS1339C
DS1339U-3	DS1339U-33	DS1340	DS1371	DS1374
DS1374-3	DS1374-33	DS1374C	DS1375	DS1390
DS1391	DS1392	DS1393	DS13Q10	DS1482
DS1500	DS1501	DS1543	DS1553	DS1558
DS1615	DS1616	DS1620	DS1621	DS1626
DS1631	DS1631A	DS1643	DS1672	DS1678
DS1679	DS1682	DS1720	DS1721	DS1722
DS1726	DS1731	DS1743	DS1748	DS1775
DS1805	DS1809	DS1820B	DS1822	DS1825
DS1830	DS1831	DS1845	DS1846	DS1847
DS1848	DS1849	DS1851	DS1852	DS1854
DS1855	DS1856	DS1857	DS1858	DS1859
DS1870	DS1921	DS1921H	DS1921Z	DS1961
DS2117M	DS2118M	DS2119M	DS2120	DS2125
DS2127	DS2129	DS21348	DS21349	DS21352
DS21354	DS21448	DS2148	DS2149	DS2154
DS21552	DS21554	DS21600	DS21602	DS21604
DS21610	DS2196	DS2197	DS21Q43	DS21Q50
DS21Q58	DS21Q59	DS2401	DS2405	DS2408
DS2409	DS2411	DS2415	DS2417	DS2421
DS2422	DS2432	DS2433	DS2434	DS2436
DS2438	DS2450	DS2470	DS2482-1	DS2482-8
DS2490	DS2501	DS2502	DS2503	DS2505
DS2702	DS2711	DS2720	DS2740	DS2740B
DS2751	DS2760	DS2761	DS2762	DS2763
DS2764	DS2770	DS2890	DS30MD	DS3231S
DS3902	DS3903	DS3904	DS3905	DS3930
DS4000	DS4077C	DS4301	DS4302	DS4510
DS4520	DS4550	DS5001	DS5002	DS5240
DS5250	DS7864B	DS7864D	DS80C310	DS80C320
DS80C323	DS80CH11	DS87C550	DSQ3301-K01	

The calculated failure rate for devices using this process is:

**FAILURE RATE:                      MTTF (YRS): 259616                      FITS: 0.4**

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

**Cf: 60%                      Ea: 0.7                      B: 0                      Tu: 25 °C                      Vu: 5.5 Volts**

The reliability data follows. At the start of this data is the process information. 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 04/01/2004 and 03/31/2005 .

**Device Information:**

Process: 0.6  $\mu$ m Process  
Interconnect: Aluminum / 1% Silicon / 0.5% Copper  
Gate Oxide Thickness: 150 Å

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**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	0351	DS80C320	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0408	DS2401	125C, 6.0 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0410	DS1090	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0411	DS2154	125C, 5.0 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0412	DS2501	125C, 6.0 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0413	DS1094L	125C, 3.6 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0413	DS2501	125C, 6.0 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0414	DS4302	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0414	DS2503	125C, 6.0 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0415	DS21352	125C, 3.3 VOLTS	1000 HRS		0	
HIGH TEMP REVERSE BIAS	0416	DS2761	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0416	DS3902	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0416	DS5240	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP REVERSE BIAS	0417	DS2761	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP REVERSE BIAS	0417	DS2761	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0417	DS2761	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0418	DS2502	125C, 6.0 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0418	DS2502	125C, 6.0 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0418	DS2502	125C, 6.0 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0418	DS1822	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0418	DS21Q50	125C, 5.0 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0418	DS4520	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0420	DS21354	125C, 3.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0420	DS1845	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0421	DS21354	125C, 5.25 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0421	DS1392	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0421	DS1390	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0422	DS1393	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0424	DS1391	125C, 5.5 VOLTS	1000 HRS		0	
HIGH TEMP OP LIFE	0424	DS1848	125C, 5.5 VOLTS	1000 HRS		0	

HIGH TEMP OP LIFE	0425	DS1955B0	85 C, 5.25 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0425	DS2740	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0425	DS4077C	125C, 3.6V (PSA) & -4.0V (PSB)	1000	HRS	0
HIGH TEMP OP LIFE	0426	DS1310	125C, 3.6 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0427	DS2422	125C, 5.5V (PSA) & 3.0V (PSB)	1000	HRS	0
HIGH TEMP OP LIFE	0427	DS1553	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0428	DS2401	125C, 6.0 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0429	DS1501	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0429	DS1501	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0430	DS1849	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0432	DS12885	125C, 5.0 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0432	DS2154	125C, 5.0 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0432	DS12885	125C, 5.0 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0432	DS1501	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0433	DS1553	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0433	DS80C320	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0434	DS2501	125C, 6.0 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0435	DS2501	125C, 6.0 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0435	DS2501	125C, 6.0 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0435	DS80C320	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0435	DS80C320	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0435	DS80C320	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0437	DS2751	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0437	DS1743	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0437	DS2711	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0438	DS2154	125C, 5.0 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0440	DS1955B0	85 C, 5.25 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0440	DS13Q10	125C, 3.6 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0440	DS4550	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0440	DS5250	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0440	DS2764	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0441	DS2502	125C, 6.0 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0441	DS5240	125C, 5.5 VOLTS	1000	HRS	1 30031985
HIGH TEMP OP LIFE	0441	DS2401	125C, 6.0 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0442	DS2482-1	125C, 5.5 VOLTS	1000	HRS	0
HIGH TEMP OP LIFE	0442	DS3902	125C, 5.5 VOLTS	1000	HRS	0

HIGH TEMP REVERSE BIAS	0443	DS2432	125C, 5.25 VOLTS	1000 HRS	0
HIGH TEMP OP LIFE	0443	DS1825	125C, 5.5 VOLTS	1000 HRS	0
HIGH TEMP OP LIFE	0445	DS1955B0	85 C, 5.25 VOLTS	1000 HRS	0
HIGH TEMP OP LIFE	0445	DS1955B0	85 C, 5.25 VOLTS	1000 HRS	0
HIGH TEMP OP LIFE	0446	DS21354	125C, 5.25 VOLTS	1000 HRS	0
HIGH TEMP OP LIFE	0447	DS1849	125C, 5.5 VOLTS	1000 HRS	0
HIGH TEMP OP LIFE	0450	DS1856	125C, 5.5 VOLTS	1000 HRS	0
HIGH TEMP OP LIFE	0450	DS80C320	125C, 5.5 VOLTS	1000 HRS	0
HIGH TEMP OP LIFE	0451	DS1955B0	85 C, 5.25 VOLTS	1000 HRS	0
HIGH VOLTAGE LIFE	0452	DS2761	125C, 5.5 VOLTS	1000 HRS	0
HIGH TEMP OP LIFE	0506	DS2482-8	125C, 5.5 VOLTS	1000 HRS	0
				<b>Total:</b>	<b>1</b>

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### STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	0416	DS2761	125C	1000 HRS		0	
STORAGE LIFE	0417	DS2761	125C	1000 HRS		0	
STORAGE LIFE	0417	DS2761	125C	1000 HRS		0	
STORAGE LIFE	0417	DS2761	150C	1000 HRS		0	
STORAGE LIFE	0418	DS2502	125C	1000 HRS		0	
STORAGE LIFE	0418	DS2502	125C	1000 HRS		0	
STORAGE LIFE	0418	DS2502	125C	1000 HRS		0	
STORAGE LIFE	0420	DS1845	150C	1000 HRS		0	
STORAGE LIFE	0425	DS1955B0	85 C	1000 HRS		0	
STORAGE LIFE	0425	DS2740	150C	1000 HRS		0	
STORAGE LIFE	0425	DS4077C	150C	1000 HRS		0	
STORAGE LIFE	0427	DS1553	150C	1000 HRS		0	
STORAGE LIFE	0429	DS1501	150C	1000 HRS		0	
STORAGE LIFE	0429	DS1501	150C	1000 HRS		0	
STORAGE LIFE	0430	DS1849	150C	1000 HRS		0	
STORAGE LIFE	0432	DS12885	150C	1000 HRS		0	
STORAGE LIFE	0432	DS12885	150C	1000 HRS		0	
STORAGE LIFE	0432	DS1501	150C	1000 HRS		0	
STORAGE LIFE	0433	DS1553	150C	1000 HRS		0	
STORAGE LIFE	0433	DS80C320	150C	1000 HRS		0	
STORAGE LIFE	0435	DS80C320	150C	1000 HRS		0	
STORAGE LIFE	0435	DS80C320	150C	1000 HRS		0	

STORAGE LIFE	0440	DS1955B0	85 C	1000	HRS	0
STORAGE LIFE	0444	DS80C320	150C	500	HRS	
STORAGE LIFE	0445	DS1955B0	85 C	1000	HRS	0
STORAGE LIFE	0445	DS1955B0	85 C	1000	HRS	0
STORAGE LIFE	0445	DS1955B0	85 C	1000	HRS	0
STORAGE LIFE	0451	DS1955B0	85 C	1000	HRS	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	0351	DS80C320	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0408	DS2401	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0411	DS2154	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0412	DS2501	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0413	DS1094L	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0413	DS2501	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0414	DS2503	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0415	DS21352	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0417	DS2761	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0418	DS2502	-40 TO 85C	1000	CYS	0	
TEMP CYCLE	0418	DS2502	-40 TO 85C	1000	CYS	0	
TEMP CYCLE	0418	DS2502	-40 TO 85C	1000	CYS	0	
TEMP CYCLE	0420	DS1845	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0421	DS21354	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0425	DS1955B0	-40 TO 85C	1000	CYS	0	
TEMP CYCLE	0425	DS2740	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0427	DS1553	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0428	DS2401	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0429	DS1501	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0429	DS1501	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0430	DS1849	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0432	DS12885	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0432	DS2154	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0432	DS12885	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0432	DS1501	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0433	DS1553	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0433	DS80C320	-55C TO 125C	1000	CYS	0	
TEMP CYCLE	0434	DS2501	-55C TO 125C	1000	CYS	0	

TEMP CYCLE	0435	DS2501	-55C TO 125C	1000	CYS	0
TEMP CYCLE	0435	DS2501	-55C TO 125C	1000	CYS	0
TEMP CYCLE	0435	DS80C320	-55C TO 125C	1000	CYS	0
TEMP CYCLE	0435	DS80C320	-55C TO 125C	1000	CYS	0
TEMP CYCLE	0435	DS80C320	-55C TO 125C	1000	CYS	0
TEMP CYCLE	0437	DS2751	-55C TO 125C	1000	CYS	0
TEMP CYCLE	0437	DS1743	-55C TO 125C	1000	CYS	0
TEMP CYCLE	0438	DS2154	-55C TO 125C	1000	CYS	0
TEMP CYCLE	0440	DS1955B0	-40 TO 85C	1000	CYS	0
TEMP CYCLE	0441	DS5240	-55C TO 125C	1000	CYS	0
TEMP CYCLE	0441	DS2401	-55C TO 125C	1000	CYS	0
TEMP CYCLE, SLOW	0443	DS2432	-40C TO +125C	1000	CYS	0
TEMP CYCLE	0444	DS80C320	-55C TO 125C	500	CYS	0
TEMP CYCLE	0446	DS21354	-55C TO 125C	1000	CYS	0
TEMP CYCLE	0447	DS1849	-55C TO 125C	1000	CYS	0
TEMP CYCLE	0450	DS80C320	-55C TO 125C	1000	CYS	0
TEMP CYCLE	0451	DS1955B0	-40 TO 85C	1000	CYS	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	0351	DS80C320	85/85, 5.5 VOLTS	1000	HRS	0	
HAST	0408	DS2401	130C, 85%R.H.,5.5V	96	HRS	0	
HAST	0412	DS2501	130C, 85%R.H.,5.5V	96	HRS	0	
HAST	0413	DS2501	130C, 85%R.H.,5.5V	96	HRS	0	
HAST	0414	DS2503	130C, 85%R.H.,5.5V	96	HRS	0	
BIASED MOISTURE	0416	DS2761	85/85, 5.5 VOLTS	1000	HRS	0	
BIASED MOISTURE	0417	DS2761	85/85, 5.5 VOLTS	1000	HRS	0	
BIASED MOISTURE	0417	DS2761	85/85, 5.5 VOLTS	1000	HRS	0	
BIASED MOISTURE	0418	DS2502	85/85, 5.5 VOLTS	1000	HRS	0	
BIASED MOISTURE	0418	DS2502	85/85, 5.5 VOLTS	1000	HRS	0	
BIASED MOISTURE	0418	DS2502	85/85, 5.5 VOLTS	1000	HRS	0	
HAST	0421	DS21354	130C, 85%R.H.,3.5V	96	HRS	0	
HAST	0427	DS1553	130C, 85%R.H.,5.5V	96	HRS	0	
HAST	0428	DS2401	130C, 85%R.H.,5.5V	96	HRS	0	
HAST	0429	DS1501	130C, 85%R.H.,5.5V	96	HRS	0	
HAST	0429	DS1501	130C, 85%R.H.,5.5V	96	HRS	0	

BIASED MOISTURE	0432	DS12885	85/85, 5.5 VOLTS	1000	HRS	0
BIASED MOISTURE	0432	DS12885	85/85, 5.5 VOLTS	1000	HRS	0
HAST	0432	DS1501	130C, 85%R.H.,5.5V	96	HRS	0
HAST	0433	DS1553	130C, 85%R.H.,5.5V	96	HRS	0
BIASED MOISTURE	0433	DS80C320	85/85, 5.5 VOLTS	1000	HRS	0
HAST	0434	DS2501	130C, 85%R.H.,5.5V	96	HRS	0
HAST	0435	DS2501	130C, 85%R.H.,5.5V	96	HRS	0
HAST	0435	DS2501	130C, 85%R.H.,5.5V	96	HRS	0
BIASED MOISTURE	0435	DS80C320	85/85, 5.5 VOLTS	500	HRS	
HAST	0435	DS80C320	130C, 85%R.H.,5.5V	96	HRS	0
HAST	0435	DS80C320	130C, 85%R.H.,5.5V	96	HRS	0
BIASED MOISTURE	0437	DS2751	85/85, 5.5 VOLTS	1000	HRS	0
HAST	0441	DS2401	130C, 85%R.H.,5.5V	96	HRS	0
BIASED MOISTURE	0443	DS2432	85/85, 5.5 VOLTS	1000	HRS	0
HAST	0444	DS80C320	130C, 85%R.H.,5.5V	96	HRS	0
BIASED MOISTURE	0450	DS80C320	85/85, 5.5 VOLTS	1000	HRS	0
					<b>Total:</b>	<b>0</b>

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#### UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE	TEST	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
	CODE	VEHICLE					
AUTOCLAVE	0351	DS80C320	121C, 2 ATM STEAM, UNBIASED	96	HRS	0	
AUTOCLAVE	0408	DS2401	121C, 2 ATM STEAM, UNBIASED	168	HRS	0	
HAST, NO BIAS	0411	DS2154	130C, 85% R.H.	100	HRS	0	
AUTOCLAVE	0412	DS2501	121C, 2 ATM STEAM, UNBIASED	168	HRS	0	
AUTOCLAVE	0413	DS1094L	121C, 2 ATM STEAM, UNBIASED	168	HRS	0	
AUTOCLAVE	0413	DS2501	121C, 2 ATM STEAM, UNBIASED	168	HRS	0	
AUTOCLAVE	0414	DS2503	121C, 2 ATM STEAM, UNBIASED	168	HRS	0	
HAST, NO BIAS	0415	DS21352	130C, 85% R.H.	100	HRS	0	
MOISTURE SOAK	0417	DS2761	85 C/85% R.H.	1000	HRS	0	
MOISTURE SOAK	0420	DS1845	85 C/85% R.H.	1000	HRS	0	
HAST, NO BIAS	0421	DS21354	130C, 85% R.H.	200	HRS	0	
MOISTURE SOAK	0425	DS1955B0	60C/90% R.H.	1000	HRS	0	
HAST, NO BIAS	0425	DS2740	130C, 85% R.H.	200	HRS	0	
AUTOCLAVE	0425	DS2740	121C, 2 ATM STEAM, UNBIASED	168	HRS	0	
HAST, NO BIAS	0427	DS1553	130C, 85% R.H.	200	HRS	0	
AUTOCLAVE	0428	DS2401	121C, 2 ATM STEAM, UNBIASED	168	HRS	0	
HAST, NO BIAS	0429	DS1501	130C, 85% R.H.	200	HRS	0	
HAST, NO BIAS	0429	DS1501	130C, 85% R.H.	200	HRS	0	



MOISTURE SOAK	0430	DS1849	85 C/85% R.H.	1000	HRS	0
AUTOCLAVE	0432	DS12885	121C, 2 ATM STEAM, UNBIASED	168	HRS	0
HAST, NO BIAS	0432	DS2154	130C, 85% R.H.	100	HRS	0
AUTOCLAVE	0432	DS12885	121C, 2 ATM STEAM, UNBIASED	168	HRS	0
HAST, NO BIAS	0432	DS1501	130C, 85% R.H.	200	HRS	0
HAST, NO BIAS	0433	DS1553	130C, 85% R.H.	200	HRS	0
AUTOCLAVE	0433	DS80C320	121C, 2 ATM STEAM, UNBIASED	168	HRS	0
AUTOCLAVE	0434	DS2501	121C, 2 ATM STEAM, UNBIASED	168	HRS	0
AUTOCLAVE	0435	DS2501	121C, 2 ATM STEAM, UNBIASED	168	HRS	0
AUTOCLAVE	0435	DS2501	121C, 2 ATM STEAM, UNBIASED	168	HRS	0
AUTOCLAVE	0435	DS80C320	121C, 2 ATM STEAM, UNBIASED	96	HRS	0
AUTOCLAVE	0435	DS80C320	121C, 2 ATM STEAM, UNBIASED	168	HRS	0
AUTOCLAVE	0435	DS80C320	121C, 2 ATM STEAM, UNBIASED	168	HRS	0
AUTOCLAVE	0437	DS2751	121C, 2 ATM STEAM, UNBIASED	168	HRS	0
HAST, NO BIAS	0438	DS2154	130C, 85% R.H.	100	HRS	0
MOISTURE SOAK	0440	DS1955B0	60C/90% R.H.	1000	HRS	0
AUTOCLAVE	0441	DS2401	121C, 2 ATM STEAM, UNBIASED	168	HRS	0
MOISTURE SOAK	0445	DS1955B0	60C/90% R.H.	1000	HRS	0
MOISTURE SOAK	0445	DS1955B0	60C/90% R.H.	1000	HRS	0
MOISTURE SOAK	0445	DS1955B0	60C/90% R.H.	1000	HRS	0
MOISTURE SOAK	0447	DS1849	85 C/85% R.H.	1000	HRS	0
AUTOCLAVE	0450	DS80C320	121C, 2 ATM STEAM, UNBIASED	96	HRS	0
MOISTURE SOAK	0451	DS1955B0	60C/90% R.H.	1000	HRS	0
<b>Total:</b>						<b>0</b>

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**W/E ENDURANCE AND DATA RET'N**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
WRITE CYCLE STRESS	0413	DS1094L	70 C, 3.6 VOLTS	10	KCYS	0	
STORAGE LIFE			150C	1000	HRS	0	
WRITE CYCLE STRESS	0416	DS3902	70 C, 5.5 VOLTS	30	KCYS	0	
STORAGE LIFE			150C	1000	HRS	0	
WRITE CYCLE STRESS	0418	DS1822	55 C, 5.5 VOLTS	30	KCYS	0	
STORAGE LIFE			150C	1000	HRS	0	
WRITE CYCLE STRESS	0418	DS4520	70 C, 5.5 VOLTS	30	KCYS	0	
STORAGE LIFE			150C	1000	HRS	0	
WRITE CYCLE STRESS	0424	DS1848	85 C, 5.5 VOLTS	30	KCYS	0	
STORAGE LIFE			150C	1000	HRS	0	
WRITE CYCLE STRESS	0437	DS2751	85 C, 5.5 VOLTS	30	KCYS	0	
STORAGE LIFE			150C	1000	HRS	0	

WRITE CYCLE STRESS	0440	DS4550	70 C, 5.5 VOLTS	30	KCYS	0
STORAGE LIFE			150C	1000	HRS	0
WRITE CYCLE STRESS	0440	DS2764	70 C, 5.5 VOLTS	30	KCYS	1 30032101
STORAGE LIFE			150C	1000	HRS	0
WRITE CYCLE STRESS	0442	DS3902	70 C, 5.5 VOLTS	30	KCYS	0
STORAGE LIFE			150C	1000	HRS	0
WRITE CYCLE STRESS	0443	DS1825	70 C, 5.5 VOLTS	30	KCYS	0
STORAGE LIFE			150C	1000	HRS	0
WRITE CYCLE STRESS	0447	DS1849	85 C, 5.5 VOLTS	25	KCYS	0
STORAGE LIFE			150C	1000	HRS	0
WRITE CYCLE STRESS	0450	DS1856	70 C, 5.5 VOLTS	30	KCYS	0
STORAGE LIFE			150C	1000	HRS	0
WRITE CYCLE STRESS	0452	DS2761	85 C, 5.5 VOLTS	50	KCYS	0
STORAGE LIFE			150C	1000	HRS	0
				<b>Total:</b>		<b>1</b>

**FAILURE RATE:**

**MTTF (YRS): 259616**

**FITS: 0.4**