

6/25/2020



**RELIABILITY MONITOR REPORT
FOR**

MFN S18

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 Process Reliability Monitor. The specific products in this process monitor are:

LM4050BEX3-2.	MAX14878AWA	MAX14906ATM	MAX16135HRB/	MAX16826ATJ+
MAX16936RATE	MAX17270ENE+	MAX17690ATE/	MAX17761XAT	MAX20006EAFO
MAX20006EAFO	MAX20011BAFO	MAX20019ATB	MAX20024AXG/	MAX20024CGX
MAX20024EGX	MAX20024GGX	MAX20025MGX	MAX20028ATJA	MAX20028ATJA
MAX20029ATID/	MAX20030BAT	MAX20038ATIC/	MAX20040BATP	MAX20046GTC/
MAX20049ATEA	MAX20049ATEB	MAX20069GTL/	MAX20081ATN	MAX20098ATEA
MAX20098ATEG	MAX20323FENC	MAX20334EWC	MAX20336ENT+	MAX20340EWL
MAX20343BEW	MAX20428ATIA/	MAX20430ATIA/	MAX20471ASA	MAX22515ATG+
MAX22518AWA	MAX25024ATG/	MAX25249ATPC	MAX25612AUP/	MAX30208
MAX30208CLB+	MAX31341BEW	MAX31343EKA+	MAX31345GTA/	MAX31875R2TZ
MAX31889ALT+	MAX33012EASA	MAX33040EAK	MAX33054EASA	MAX34417ENE+
MAX40009ANT+	MAX40100ANT+	MAX44248ASA+	MAX44281OAN	MAX44284FAZT
MAX44284FAZT	MAX44284HAN	MAX49017ATA/	MAX49140AXK/	MAX5992BETG+
MAX77277CEW	MAX77654AEN	MAX86146CFU+	MAX86161EFD+	MAX86171ENI+
MAX98357AETE	MAX98360BENL	MAXM25265AL		

The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 803620 QUANTITY: 5387 FAILS: 0 FITS: 0.1

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

Cf: 60% Ea: 0.7 Tu: 25 °C

The reliability data follows and in this section is the detailed reliability data by stress. The reliability data section includes the latest data available. This report covers data between 1/1/2020 and 3/31/2020 .

Process Information:

Process Description: MFN S18

OPERATING LIFE

DESCRIPTION	DATE TEST CODE VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	MAX17761XATC+	125°C	1000 HRS	79	0	JBZO0Q003A
HIGH TEMP OP LIFE	MAX86161EFD+	125°C	1000 HRS	80	0	JBZQ9Q001SE
HIGH TEMP OP LIFE	MAX86146CFU+	125°C	1000 HRS	41	0	BCUS1AB
HIGH TEMP OP LIFE	MAX86146CFU+	125°C	1000 HRS	45	0	BCUS1AC
HIGH TEMP OP LIFE	MAX86146CFU+	125°C	1000 HRS	44	0	BCUS1AD
HIGH TEMP OP LIFE	MAX30208	125°C	1000 HRS	80	0	JCUG4Q002KD
HIGH TEMP OP LIFE	MAX30208	125°C	1000 HRS	79	0	JCUG4Q002KE
HIGH TEMP OP LIFE	MAX30208	125°C	192 HRS	80	0	JCUG4Q002KF
HIGH TEMP OP LIFE	MAX31875R2TZS+T	125°C	1000 HRS	80	0	JBZG42005O
HIGH TEMP OP LIFE	MAX86171ENI+	125°C	1000 HRS	39	0	JCUL3Q001SA
HIGH TEMP OP LIFE	MAX86171ENI+	125°C	1000 HRS	40	0	JCUL3Q003GM
HIGH TEMP OP LIFE	MAX40009ANT+	125°C	1000 HRS	80	0	JBNB4A006A

HIGH TEMP OP LIFE		MAX20323FENC+T	125°C	1000 HRS	80	0	JBYY9A031B
HIGH TEMP OP LIFE		MAX20340EWL+	125°C	192 HRS	80	0	JCCC9Q001DX
HIGH TEMP OP LIFE	1738	LM4050BEX3-2.5+	125°C	1000 HRS	80	0	JBTB3Q001C
HIGH TEMP OP LIFE	1826	MAX17761XATC+	125°C	1000 HRS	79	0	JBZO0Q001S
HIGH TEMP OP LIFE	1826	MAX77277CEWB+TG7	125°C	192 HRS	20	0	JBRY82126A
HIGH TEMP OP LIFE	1827	MAX20024AXG/V+CQK	125°C	1000 HRS	80	0	JBSI93020EA
HIGH TEMP OP LIFE	1827	MAX20024AXG/V+CQK	125°C	1000 HRS	80	0	JBSI93020DA
HIGH TEMP OP LIFE	1834	MAX20069GTL/V+	125°C	1000 HRS	80	0	JBXY2Q001KB
HIGH TEMP OP LIFE	1834	MAX20069GTL/V+	125°C	1000 HRS	80	0	JBXY2Q001KC
HIGH TEMP OP LIFE	1837	MAX16135HRB/V+T	125°C	1000 HRS	80	0	JBNG22009BA
HIGH TEMP OP LIFE	1837	MAX20046GTC/V+	125°C	1000 HRS	80	0	JBNS52006A
HIGH TEMP OP LIFE	1837	MAX20046GTC/V+	125°C	500 HRS	80	0	JBNS52006A
HIGH TEMP OP LIFE	1840	MAX20040BATPA/VY+	125°C	1000 HRS	43	0	JCUE0Q001V
HIGH TEMP OP LIFE	1840	MAX20040BATPA/VY+	125°C	1000 HRS	36	0	JCUE0Q001V
HIGH TEMP OP LIFE	1843	MAX40100ANT+T	125°C	1000 HRS	80	0	JCUW1Q001SE
HIGH TEMP OP LIFE	1843	MAX40100ANT+T	125°C	1000 HRS	80	0	JCUW1Q002AF
HIGH TEMP OP LIFE	1849	MAX20336ENT+T	125°C	192 HRS	79	0	JCUA0Q001DM
HIGH TEMP OP LIFE	1850	MAX17761XATC+	125°C	1000 HRS	78	0	JBZO0A004A
HIGH TEMP OP LIFE	1850	MAX86161EFD+	125°C	1000 HRS	80	0	JBZQ9Q001SC
HIGH TEMP OP LIFE	1850	MAX86161EFD+	125°C	1000 HRS	80	0	JBZQ9A001SD
HIGH TEMP OP LIFE	1850	MAX20334EWC+	125°C	1000 HRS	80	0	JCAJ9Q001NM
HIGH TEMP OP LIFE	1851	MAX20343BEWE+	125°C	1000 HRS	80	0	JCUO9Q001FJ
HIGH TEMP OP LIFE	1903	MAX20011BAFOA/VY+	125°C	192 HRS	28	0	JCUK0Q001FQ
HIGH TEMP OP LIFE	1904	MAX20029ATID/V+	125°C	2000 HRS	80	0	JBQA5A005B
HIGH TEMP OP LIFE	1908	MAX20040BATPA/VY+	125°C	1000 HRS	80	0	JCBD0Q001B
HIGH TEMP OP LIFE	1908	MAX40100ANT+T	125°C	500 HRS	80	0	JCUW1Q003AK
HIGH TEMP OP LIFE	1908	MAX17270ENE+T	125°C	192 HRS	79	0	JCTK7A009C
HIGH TEMP OP LIFE	1909	MAX20019ATBA/V+	125°C	1000 HRS	79	0	JBOW52015
HIGH TEMP OP LIFE	1910	MAX20006EAFOC/VY+	125°C	1000 HRS	80	0	JCAS5Q002H
HIGH TEMP OP LIFE	1910	MAX31341BEWC+T	125°C	1000 HRS	80	0	JCAJ8Q001A
HIGH TEMP OP LIFE	1910	MAX77654AENVN+T	125°C	1000 HRS	33	0	JCBH93001AM
HIGH TEMP OP LIFE	1910	MAX77654AENVN+T	125°C	192 HRS	47	0	JCBH93001AM
HIGH TEMP OP LIFE	1911	MAX98357AETE+	125°C	1000 HRS	78	0	JP1566227SX
HIGH TEMP OP LIFE	1912	MAX20428ATIA/VY+	125°C	192 HRS	80	0	JCAS1Q001NQ
HIGH TEMP OP LIFE	1912	MAX44248ASA+	125°C	1000 HRS	80	0	JCTZ7Q001F
HIGH TEMP OP LIFE	1916	MAX20025MGXXB/V+	125°C	1000 HRS	40	0	JBSI93034RB

HIGH TEMP OP LIFE	1916	MAX20025MGXXB/V+	125°C	192	HRS	40	0	JBSI93034RB
HIGH TEMP OP LIFE	1916	MAX20025MGXXB/V+	125°C	1000	HRS	80	0	JBSI93034RA
HIGH TEMP OP LIFE	1917	MAX20098ATEAK/VY+	125°C	1000	HRS	80	0	JBTD3A008BC
HIGH TEMP OP LIFE	1917	MAX22515ATG+	125°C	192	HRS	80	0	JCBE4Q001KQ
HIGH TEMP OP LIFE	1918	MAX25612AUP/V+	125°C	192	HRS	80	0	JCBJ4Q002OQ
HIGH TEMP OP LIFE	1918	MAX20098ATEAK/VY+	125°C	1000	HRS	79	0	JBTD3A008BB
HIGH TEMP OP LIFE	1918	MAX22518AWA+	125°C	288	HRS	80	0	NCUW5ADQ
HIGH TEMP OP LIFE	1919	MAX20011BAFOA/VY+	125°C	192	HRS	80	0	JCBO5Q001O#
HIGH TEMP OP LIFE	1919	MAX20011BAFOA/VY+	125°C	500	HRS	25	0	JCBO5Q001O#
HIGH TEMP OP LIFE	1919	MAX20011BAFOA/VY+	125°C	1000	HRS	80	0	JCBO5Q001O#
HIGH TEMP OP LIFE	1919	MAX44281OANS+T	125°C	1000	HRS	80	0	JBVF5A007AG
HIGH TEMP OP LIFE	1922	MAX49017ATA/VY+T	125°C	1000	HRS	79	0	JCBN0Q001TB
HIGH TEMP OP LIFE	1924	MAX17690ATE/V+	125°C	192	HRS	80	0	JCBE5Q001EQ
HIGH TEMP OP LIFE	1925	MAX20081ATNK/V+	125°C	1000	HRS	80	0	JBSM83085A
HIGH TEMP OP LIFE	1925	MAX20081ATNK/V+	125°C	1000	HRS	79	0	JBSM83085AB
HIGH TEMP OP LIFE	1925	MAX20081ATNK/V+	125°C	1000	HRS	80	0	JBSM83085AA
HIGH TEMP OP LIFE	1931	MAX14906ATM+	125°C	192	HRS	80	0	JCBM5Q001TQ
HIGH TEMP OP LIFE	1933	MAX31343EKA+T	125°C	1000	HRS	79	0	JCDF13001K
HIGH TEMP OP LIFE	1936	MAX31343EKA+T	125°C	1000	HRS	80	0	JCDF1Q002CA
HIGH TEMP OP LIFE	1936	MAX20430ATIA/VY+	125°C	192	HRS	80	0	JCDD33002VQ
HIGH TEMP OP LIFE	1936	MAX20430ATIA/VY+	125°C	12	HRS	80	0	JCDD33002VQ
HIGH TEMP OP LIFE	1939	MAX33054EASA+	125°C	1000	HRS	80	0	JBSL73004BX
HIGH TEMP OP LIFE	1939	MAX33012EASA+	125°C	192	HRS	80	0	JCDS7Q001BQ
HIGH TEMP OP LIFE	1940	MAX25024ATG/V+	125°C	192	HRS	80	0	JCDF33001KQ
HIGH TEMP OP LIFE	1940	MAX25024ATG/V+	125°C	12	HRS	80	0	JCDF33001KQ
HIGH TEMP OP LIFE	1941	MAX40009ANT+	125°C	1000	HRS	80	0	JBNB4A005A
HIGH TEMP OP LIFE	1944	MAX25249ATPC/VY+	125°C	192	HRS	67	0	JCBA7Q001AA
HIGH TEMP OP LIFE	1944	MAX25249ATPC/VY+	125°C	192	HRS	13	0	JCBA7Q001AA
Total:							0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE		MAX86146CFU+	150°C	1000 HRS	80	0	BCUS1AB
STORAGE LIFE		MAX86146CFU+	150°C	1000 HRS	80	0	BCUS1AC
STORAGE LIFE		MAX86146CFU+	150°C	1000 HRS	80	0	BCUS1AD
STORAGE LIFE		MAX30208	150°C	1000 HRS	80	0	JCUG4Q002KD
STORAGE LIFE		MAX30208	150°C	1000 HRS	80	0	JCUG4Q002KE

STORAGE LIFE		MAX30208	150°C	1000 HRS	80	0	JCUG4Q002KF
STORAGE LIFE		MAX20028ATJA/VY	150°C	1000 HRS	50	0	R40499CX1
STORAGE LIFE		MAX86171ENI+	150°C	1000 HRS	78	0	JCUL3Q001RR
STORAGE LIFE		MAX40009ANT+	150°C	1000 HRS	80	0	JBNB4A006A
STORAGE LIFE		MAX20323FENC+T	150°C	1000 HRS	80	0	JBYY9A031B
STORAGE LIFE	1737	MAX20024EGXXC/V+	150°C	1000 HRS	80	0	JBSI9Q001N
STORAGE LIFE	1833	MAX20471ASAA/V+	150°C	1000 HRS	79	0	JCTQ5A004MA
STORAGE LIFE	1833	MAX20471ASAA/V+	150°C	1000 HRS	79	0	JCTQ5A004MB
STORAGE LIFE	1833	MAX20471ASAA/V+	150°C	1000 HRS	79	0	JCTQ5A004MC
STORAGE LIFE	1843	MAX40100ANT+T	150°C	500 HRS	80	0	JCUW1Q001SE
STORAGE LIFE	1843	MAX40100ANT+T	150°C	500 HRS	80	0	JCUW1Q002AF
STORAGE LIFE	1850	MAX17761XATC+	150°C	1000 HRS	80	0	JBZO0A004A
STORAGE LIFE	1907	MAX20098ATEG/VY+	150°C	1000 HRS	22	0	JCAN0A009C
STORAGE LIFE	1908	MAX40100ANT+T	150°C	1000 HRS	80	0	JCUW1Q003AK
STORAGE LIFE	1908	MAX17270ENE+T	150°C	1000 HRS	80	0	JCTK7A009C
STORAGE LIFE	1910	MAX20098ATEG/VY+	150°C	1000 HRS	22	0	JCAN0A009D
STORAGE LIFE	1911	MAX98357AETE+	150°C	1000 HRS	80	0	JP1566227SX
STORAGE LIFE	1912	MAX34417ENE+	150°C	1000 HRS	80	0	INT1679138-QL
STORAGE LIFE	1913	MAX17270ENE+T	150°C	1000 HRS	80	0	JCTK73010AM
STORAGE LIFE	1915	MAX20025MGXXB/V+	150°C	1000 HRS	79	0	JBSI93034R
STORAGE LIFE	1915	MAX20025MGXXB/V+	150°C	1000 HRS	4	0	JBSI93034R
STORAGE LIFE	1916	MAX20025MGXXB/V+	150°C	1000 HRS	80	0	JBSI93034RB
STORAGE LIFE	1916	MAX20025MGXXB/V+	150°C	500 HRS	80	0	JBSI93034RA
STORAGE LIFE	1916	MAX20024GGXXC/V+	150°C	1000 HRS	25	0	JBSI9A164AX
STORAGE LIFE	1917	MAX31889ALT+T	150°C	1000 HRS	79	0	JCUG4Q003BD
STORAGE LIFE	1917	MAX20098ATEAK/VY+	150°C	1000 HRS	79	0	JBTD3A008BA
STORAGE LIFE	1919	MAX33040EAKA+T	150°C	1000 HRS	80	0	JCBI9Q001CB
STORAGE LIFE	1919	MAX98360BENL+T	150°C	1000 HRS	80	0	JCBK6Q001F
STORAGE LIFE	1919	MAX44281OANS+T	150°C	1000 HRS	80	0	JBVF5A007AG
STORAGE LIFE	1920	MAX98360BENL+T	150°C	1000 HRS	80	0	JCBK6Q001G
STORAGE LIFE	1923	MAX98360BENL+T	150°C	1000 HRS	80	0	JCBK6Q001H
STORAGE LIFE	1924	MAX20006EAFOD/VY+	150°C	2000 HRS	30	0	JCAS5Q002LX
STORAGE LIFE	1925	MAX20081ATNK/V+	150°C	1000 HRS	80	0	JBSM83085A
STORAGE LIFE	1925	MAX20081ATNK/V+	150°C	1000 HRS	80	0	JBSM83085AB
STORAGE LIFE	1925	MAX20081ATNK/V+	150°C	1000 HRS	80	0	JBSM83085AA
STORAGE LIFE	1932	MAX31889ALT+T	150°C	1000 HRS	79	0	JCUG4Q003BE

STORAGE LIFE	1932	MAX31889ALT+T	150°C	1000	HRS	77	0	JCUG4Q003BF
STORAGE LIFE	1933	MAX31343EKA+T	150°C	1000	HRS	80	0	JCDF13001K
STORAGE LIFE	1936	MAX31343EKA+T	150°C	1000	HRS	80	0	JCDF1Q002CA
STORAGE LIFE	1937	MAX31345GTA/VY+	150°C	1000	HRS	80	0	JCDF1Q002DH
STORAGE LIFE	1939	MAX33054EASA+	150°C	1000	HRS	80	0	JBSL73004BX
STORAGE LIFE	1941	MAX40009ANT+	150°C	1000	HRS	80	0	JBNB4A005A
STORAGE LIFE	1942	MAXM25265ALN/V+	150°C	1000	HRS	146	0	JCBT93001DB
STORAGE LIFE	1942	MAXM25265ALN/V+	150°C	192	HRS	240	0	JCBT93001DB
STORAGE LIFE	1942	MAXM25265ALN/V+	150°C	1000	HRS	80	0	JCBT93001DA
STORAGE LIFE	1942	MAXM25265ALN/V+	150°C	96	HRS	80	0	JCBT93001DA
STORAGE LIFE	1945	MAX20024CGXXE/V+	150°C	1000	HRS	80	0	JBSI93236EX
STORAGE LIFE	1949	MAX31343EKA+T	150°C	1000	HRS	79	0	JCDF1Q003AB
Total:							0	

TEMPERATURE CYCLE

DESCRIPTION	DATE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX86146CFU+	-65C TO +150C (Condition C)	1000	CYS	80	0	BCUS1AB
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX86146CFU+	-65C TO +150C (Condition C)	1000	CYS	80	0	BCUS1AC
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX86146CFU+	-65C TO +150C (Condition C)	1000	CYS	80	0	BCUS1AD
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX30208	-65C TO +150C (Condition C)	1000	CYS	80	0	JCUG4Q002KD
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX30208	-65C TO +150C (Condition C)	1000	CYS	79	0	JCUG4Q002KE
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX30208	-65C TO +150C (Condition C)	1000	CYS	80	0	JCUG4Q002KF
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX20028ATJA/VY	-65C TO +150C (Condition C)	1000	CYS	76	0	R40499BT1
TEMP CYCLE, 5' RAMP, 10' DWELL	1737	MAX20024EGXXC/V+	-65C TO +150C (Condition C)	1000	CYS	79	0	JBSI9Q001N
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX16936RATEA/V+CU	-65C TO +150C (Condition C)	500	CYS	80	0	TAQT1A045F
TEMP CYCLE, 5' RAMP, 10' DWELL	1810	MAX20049ATEA/VY+	-65C TO +150C (Condition C)	1000	CYS	72	0	JBYSR1Q001MB
TEMP CYCLE, 5' RAMP, 10' DWELL	1811	MAX20049ATEA/VY+	-65C TO +150C (Condition C)	1000	CYS	71	0	JBYSR1Q001LC

TEMP CYCLE, 5' RAMP, 10' DWELL	1812	MAX20049ATEA/VY+	-65C TO +150C (Condition C)	1000 CYS	73	0	JBYSR1Q001LI
TEMP CYCLE, 5' RAMP, 10' DWELL	1823	MAX20038ATIC/VY+	-65C TO +150C (Condition C)	1000 CYS	24	0	JBQY0A009C
TEMP CYCLE, 5' RAMP, 10' DWELL	1833	MAX20471ASAA/V+	-65C TO +150C (Condition C)	1000 CYS	78	0	JCTQ5A004MA
TEMP CYCLE, 5' RAMP, 10' DWELL	1833	MAX20471ASAA/V+	-65C TO +150C (Condition C)	1000 CYS	78	0	JCTQ5A004MB
TEMP CYCLE, 5' RAMP, 10' DWELL	1833	MAX20471ASAA/V+	-65C TO +150C (Condition C)	1000 CYS	78	0	JCTQ5A004MC
TEMP CYCLE, 0' RAMP, 10' DWELL	1846	MAX20028ATJA/VY+	-65C TO +150C (Condition C)	1000 CYS	50	0	JCTJ1Q002RC
TEMP CYCLE, 15' RAMP, 15' DWELL	1848	MAX44284HANT+TG7	-65C TO +150C (Condition C)	100 CYS	80	0	JBYSR9A008AM
TEMP CYCLE, 5' RAMP, 10' DWELL	1850	MAX17761XATC+	-65C TO +150C (Condition C)	1000 CYS	80	0	JBZO0A004A
TEMP CYCLE, 15' RAMP, 15' DWELL	1850	MAX44284FAZT+	-40C TO +125C (Condition G)	1000 CYS	80	0	JCAG1A005KB
TEMP CYCLE, 15' RAMP, 15' DWELL	1904	MAX44284FAZT+TG7	-65C TO +150C (Condition C)	100 CYS	80	0	JCAG1A005MH
TEMP CYCLE, 15' RAMP, 15' DWELL	1907	MAX44284FAZT+TG7	-65C TO +150C (Condition C)	1000 CYS	80	0	JCAG1A009AK
TEMP CYCLE, 15' RAMP, 15' DWELL	1908	MAX40100ANT+T	-65C TO +150C (Condition C)	850 CYS	80	0	JCUW1Q003AK
TEMP CYCLE, 15' RAMP, 15' DWELL	1908	MAX17270ENE+T	-65C TO +150C (Condition C)	1000 CYS	80	0	JCTK7A009C
TEMP CYCLE, 5' RAMP, 10' DWELL	1910	MAX20098ATEG/VY+	-65C TO +150C (Condition C)	1000 CYS	22	0	JCAN0A009D
TEMP CYCLE, 5' RAMP, 10' DWELL	1912	MAX44248ASA+	-65C TO +150C (Condition C)	1000 CYS	80	0	JCTZ7Q001F
TEMP CYCLE, 5' RAMP, 10' DWELL	1913	MAX20038ATIC/VY+	-65C TO +150C (Condition C)	1000 CYS	22	0	JBQY03040B
TEMP CYCLE, 5' RAMP, 10' DWELL	1915	MAX20025MGXXB/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	JBSI93034R
TEMP CYCLE, 0' RAMP, 10' DWELL	1916	MAX20025MGXXB/V+	-40C TO +125C (Condition B)	1000 CYS	25	0	JBSI93034RB
TEMP CYCLE, 5' RAMP, 10' DWELL	1916	MAX20025MGXXB/V+	-65C TO +150C (Condition C)	500 CYS	80	0	JBSI93034RB

TEMP CYCLE, 5' RAMP, 10' DWELL	1916	MAX20025MGXXB/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	JBSI93034RA
TEMP CYCLE, 15' RAMP, 15' DWELL	1916	MAX44284FAZT+TG7	-65C TO +150C (Condition C)	1000 CYS	80	0	JCAG13014A
TEMP CYCLE, 15' RAMP, 15' DWELL	1916	MAX44284FAZT+TG7	-65C TO +150C (Condition C)	100 CYS	80	0	JCAG13014AG
TEMP CYCLE, 5' RAMP, 10' DWELL	1916	MAX20024GGXXC/V+	-65C TO +150C (Condition C)	1000 CYS	25	0	JBSI9A164AX
TEMP CYCLE, 5' RAMP, 10' DWELL	1917	MAX31889ALT+T	-65C TO +150C (Condition C)	1000 CYS	80	0	JCUG4Q003BD
TEMP CYCLE, 5' RAMP, 10' DWELL	1917	MAX20098ATEAK/VY+	-65C TO +150C (Condition C)	1000 CYS	80	0	JBTD3A008BC
TEMP CYCLE, 5' RAMP, 10' DWELL	1918	MAX20098ATEAK/VY+	-65C TO +150C (Condition C)	1000 CYS	80	0	JBTD3A008BB
TEMP CYCLE, 15' RAMP, 15' DWELL	1919	MAX98360BENL+T	-40C TO +125C (Condition G)	850 CYS	80	0	JCBK6Q001F
TEMP CYCLE, 15' RAMP, 15' DWELL	1919	MAX44281OANS+T	-40C TO +125C (Condition G)	850 CYS	80	0	JBVF5A007AG
TEMP CYCLE, 15' RAMP, 15' DWELL	1920	MAX98360BENL+T	-40C TO +125C (Condition G)	850 CYS	80	0	JCBK6Q001G
TEMP CYCLE, 5' RAMP, 10' DWELL	1921	MAX14878AWA+T	-65C TO +150C (Condition C)	1000 CYS	80	0	NBRH4AV
TEMP CYCLE, 15' RAMP, 15' DWELL	1923	MAX44284FAZT+TG7	-65C TO +150C (Condition C)	100 CYS	80	0	JCAG1A023BL
TEMP CYCLE, 15' RAMP, 15' DWELL	1923	MAX44284FAZT+TG7	-65C TO +150C (Condition C)	100 CYS	80	0	JCAG13026AI
TEMP CYCLE, 15' RAMP, 15' DWELL	1923	MAX98360BENL+T	-65C TO +150C (Condition C)	1000 CYS	80	0	JCBK6Q001H
TEMP CYCLE, 5' RAMP, 10' DWELL	1925	MAX20081ATNK/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	JBSM83085A
TEMP CYCLE, 5' RAMP, 10' DWELL	1925	MAX20081ATNK/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	JBSM83085AB
TEMP CYCLE, 5' RAMP, 10' DWELL	1925	MAX20081ATNK/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	JBSM83085AA
TEMP CYCLE, 5' RAMP, 10' DWELL	1926	MAX98357AETE+	-65C TO +150C (Condition C)	500 CYS	80	0	JBTS83630AA
TEMP CYCLE, 5' RAMP, 10' DWELL	1932	MAX31889ALT+T	-65C TO +150C (Condition C)	1000 CYS	80	0	JCUG4Q003BE

TEMP CYCLE, 5' RAMP, 10' DWELL	1932	MAX31889ALT+T	-65C TO +150C (Condition C)	1000	CYS	80	0	JCUG4Q003BF
TEMP CYCLE, 15' RAMP, 15' DWELL	1933	MAX44284FAZT+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JCAG13048BG
TEMP CYCLE, 15' RAMP, 15' DWELL	1933	MAX44284FAZT+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JCAG13037BA
TEMP CYCLE, 15' RAMP, 15' DWELL	1933	MAX31343EKA+T	-40C TO +125C (Condition G)	850	CYS	78	0	JCDF13001K
TEMP CYCLE, 15' RAMP, 15' DWELL	1934	MAX44284FAZT+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JCAG13046BI
TEMP CYCLE, 15' RAMP, 15' DWELL	1934	MAX44284FAZT+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JCAG13047AH
TEMP CYCLE, 15' RAMP, 15' DWELL	1936	MAX31343EKA+T	-40C TO +125C (Condition G)	850	CYS	79	0	JCDF1Q002CA
TEMP CYCLE, 15' RAMP, 15' DWELL	1939	MAX44284FAZT+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JCAG13050AJ
TEMP CYCLE, 15' RAMP, 15' DWELL	1940	MAX44284FAZT+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JCAG13033A
TEMP CYCLE, 5' RAMP, 10' DWELL	1942	MAXM25265ALN/V+	-65C TO +150C (Condition C)	1000	CYS	240	0	JCBT93001DB
TEMP CYCLE, 5' RAMP, 10' DWELL	1942	MAXM25265ALN/V+	-65C TO +150C (Condition C)	1000	CYS	150	0	JCBT93001DB
TEMP CYCLE, 5' RAMP, 10' DWELL	1945	MAX20024CGXXE/V+	-65C TO +150C (Condition C)	1000	CYS	80	0	JBSI93236EX
TEMP CYCLE, 15' RAMP, 15' DWELL	1949	MAX31343EKA+T	-40C TO +125C (Condition G)	850	CYS	80	0	JCDF1Q003AB
TEMP CYCLE, 5' RAMP, 10' DWELL	2001	MAX49140AXK/V+T	-65C TO +150C (Condition C)	500	CYS	90	0	JCEC4Q001CA
TEMP CYCLE, 5' RAMP, 10' DWELL	2001	MAX49140AXK/V+T	-65C TO +150C (Condition C)	500	CYS	80	0	JCEC4Q001CC
Total:							0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE		MAX86146CFU+	85 C/85% R.H.	1000 HRS	45	0	BCUS1AB
BIASED MOISTURE		MAX86146CFU+	85 C/85% R.H.	1000 HRS	45	0	BCUS1AC
BIASED MOISTURE		MAX86146CFU+	85 C/85% R.H.	1000 HRS	45	0	BCUS1AD
BIASED MOISTURE		MAX30208	130C, 85% R.H.	96 HRS	27	0	JCUG4Q002KE
BIASED MOISTURE		MAX30208	130C, 85% R.H.	96 HRS	26	0	JCUG4Q002KE

BIASED MOISTURE	MAX30208	130C, 85% R.H.	96	HRS	26	0	JCUG4Q002KE
BIASED MOISTURE	MAX30208	130C, 85% R.H.	96	HRS	26	0	JCUG4Q002KF
BIASED MOISTURE	MAX30208	130C, 85% R.H.	96	HRS	26	0	JCUG4Q002KF
BIASED MOISTURE	MAX20028ATJA/VY	130C, 85% R.H.	96	HRS	75	0	R40499BH1
BIASED MOISTURE	MAX20028ATJA/VY	130C, 85% R.H.	96	HRS	75	0	R40499CH1
BIASED MOISTURE	MAX86171ENI+	130C, 85% R.H.	264	HRS	40	0	JCUL3Q001SA
BIASED MOISTURE	MAX86171ENI+	130C, 85% R.H.	264	HRS	34	0	JCUL3Q001SA
BIASED MOISTURE	MAX86171ENI+	130C, 85% R.H.	264	HRS	40	0	JCUL3Q003GM
BIASED MOISTURE	1637 MAX40009ANT+	130C, 85% R.H.	96	HRS	80	0	JBNB4Q001B
BIASED MOISTURE	1810 MAX20049ATEA/VY+	130C, 85% R.H.	192	HRS	68	0	JBYR1Q001MB
BIASED MOISTURE	1811 MAX20049ATEA/VY+	130C, 85% R.H.	192	HRS	72	0	JBYR1Q001LC
BIASED MOISTURE	1812 MAX20049ATEA/VY+	130C, 85% R.H.	96	HRS	77	0	JBYR1Q001LI
BIASED MOISTURE	1826 MAX17761XATC+	130C, 85% R.H.	96	HRS	75	0	JBZO0Q001S
BIASED MOISTURE	1826 MAX17761XATC+	130C, 85% R.H.	96	HRS	5	0	JBZO0Q001S
BIASED MOISTURE	1832 MAX20049ATEB/VY+	130C, 85% R.H.	192	HRS	78	0	JBYR1Q001CA
BIASED MOISTURE	1832 MAX20049ATEB/VY+	130C, 85% R.H.	192	HRS	33	0	JBYR1Q001CF
BIASED MOISTURE	1832 MAX20049ATEB/VY+	130C, 85% R.H.	192	HRS	78	0	JBYR1Q001CF
BIASED MOISTURE	1833 MAX20471ASAA/V+	130C, 85% R.H.	192	HRS	73	0	JCTQ5A004MA
BIASED MOISTURE	1833 MAX20471ASAA/V+	130C, 85% R.H.	96	HRS	79	0	JCTQ5A004MB
BIASED MOISTURE	1833 MAX20471ASAA/V+	130C, 85% R.H.	192	HRS	72	0	JCTQ5A004MB
BIASED MOISTURE	1833 MAX20471ASAA/V+	130C, 85% R.H.	96	HRS	79	0	JCTQ5A004MC
BIASED MOISTURE	1843 MAX17761XATC+	130C, 85% R.H.	96	HRS	75	0	JBZO0Q002A
BIASED MOISTURE	1843 MAX17761XATC+	130C, 85% R.H.	96	HRS	5	0	JBZO0Q002A
BIASED MOISTURE	1843 MAX5992BETG+	130C, 85% R.H.	96	HRS	17	0	JCUS7Q001
BIASED MOISTURE	1843 MAX5992BETG+	130C, 85% R.H.	96	HRS	18	0	JCUS7Q001
BIASED MOISTURE	1843 MAX5992BETG+	130C, 85% R.H.	96	HRS	18	0	JCUS7Q001
BIASED MOISTURE	1843 MAX5992BETG+	130C, 85% R.H.	96	HRS	9	0	JCUS7Q001
BIASED MOISTURE	1846 MAX20028ATJA/VY+	130C, 85% R.H.	96	HRS	83	0	JCTJ1Q002RC
BIASED MOISTURE	1850 MAX17761XATC+	130C, 85% R.H.	96	HRS	8	0	JBZO0A004A
BIASED MOISTURE	1850 MAX44284FAZT+	130C, 85% R.H.	264	HRS	80	0	JCAG1A005KB
BIASED MOISTURE	1851 MAX20030BATMK/V+	130C, 85% R.H.	192	HRS	27	0	TBSH7A028HA
BIASED MOISTURE	1851 MAX20030BATMK/V+	130C, 85% R.H.	192	HRS	27	0	TBSH7A028HA
BIASED MOISTURE	1851 MAX20030BATMK/V+	130C, 85% R.H.	192	HRS	8	0	TBSH7A028HA
BIASED MOISTURE	1851 MAX20030BATMK/V+	130C, 85% R.H.	192	HRS	27	0	TBSH7A028HB
BIASED MOISTURE	1851 MAX20030BATMK/V+	130C, 85% R.H.	192	HRS	27	0	TBSH7A028HB
BIASED MOISTURE	1851 MAX20030BATMK/V+	130C, 85% R.H.	192	HRS	15	0	TBSH7A028HB

BIASED MOISTURE	1851	MAX20030BATMK/V+	130C, 85% R.H.	192	HRS	27	0	TBSH7A028HC
BIASED MOISTURE	1851	MAX20030BATMK/V+	130C, 85% R.H.	192	HRS	22	0	TBSH7A028HC
BIASED MOISTURE	1901	MAX16826ATJ+	130C, 85% R.H.	96	HRS	80	0	JFYYFA272DX
BIASED MOISTURE	1907	MAX44284FAZT+TG7	130C, 85% R.H.	264	HRS	80	0	JCAG1A009AK
BIASED MOISTURE	1908	MAX40100ANT+T	130C, 85% R.H.	264	HRS	80	0	JCUW1Q003AK
BIASED MOISTURE	1908	MAX17270ENE+T	130C, 85% R.H.	264	HRS	80	0	JCTK7A009C
BIASED MOISTURE	1916	MAX44284FAZT+TG7	130C, 85% R.H.	264	HRS	80	0	JCAG13014A
BIASED MOISTURE	1917	MAX20098ATEAK/VY+	130C, 85% R.H.	96	HRS	79	0	JBTD3A008BA
BIASED MOISTURE	1918	MAX20081ATNK/V+	130C, 85% R.H.	96	HRS	80	0	JBSM83078B
BIASED MOISTURE	1918	MAX20081ATNK/V+	130C, 85% R.H.	96	HRS	80	0	JBSM83078BA
BIASED MOISTURE	1919	MAX33040EAKA+T	130C, 85% R.H.	96	HRS	80	0	JCBI9Q001CA
BIASED MOISTURE	1919	MAX33040EAKA+T	130C, 85% R.H.	96	HRS	73	0	JCBI9Q001CC
BIASED MOISTURE	1919	MAX98360BENL+T	130C, 85% R.H.	264	HRS	80	0	JCBK6Q001F
BIASED MOISTURE	1919	MAX44281OANS+T	130C, 85% R.H.	264	HRS	80	0	JBVF5A007AG
BIASED MOISTURE	1920	MAX98360BENL+T	130C, 85% R.H.	264	HRS	80	0	JCBK6Q001G
BIASED MOISTURE	1921	MAX14878AWA+T	130C, 85% R.H.	96	HRS	80	0	NBRH4AU
BIASED MOISTURE	1921	MAX14878AWA+T	130C, 85% R.H.	96	HRS	80	0	NBRH4AV
BIASED MOISTURE	1923	MAX98360BENL+T	130C, 85% R.H.	264	HRS	80	0	JCBK6Q001H
BIASED MOISTURE	1925	MAX20081ATNK/V+	130C, 85% R.H.	96	HRS	80	0	JBSM83085AB
BIASED MOISTURE	1932	MAX31889ALT+T	130C, 85% R.H.	96	HRS	77	0	JCUG4Q003BE
BIASED MOISTURE	1932	MAX31889ALT+T	130C, 85% R.H.	96	HRS	77	0	JCUG4Q003BF
BIASED MOISTURE	1933	MAX31343EKA+T	130C, 85% R.H.	264	HRS	80	0	JCDF13001K
BIASED MOISTURE	1936	MAX31343EKA+T	130C, 85% R.H.	264	HRS	80	0	JCDF1Q002CA
BIASED MOISTURE	1949	MAX31343EKA+T	130C, 85% R.H.	264	HRS	80	0	JCDF1Q003AB
BIASED MOISTURE	2001	MAX49140AXK/V+T	130C, 85% R.H.	96	HRS	80	0	JCEC4Q001CA
BIASED MOISTURE	2001	MAX49140AXK/V+T	130C, 85% R.H.	96	HRS	79	0	JCEC4Q001CB
BIASED MOISTURE	2001	MAX49140AXK/V+T	130C, 85% R.H.	96	HRS	80	0	JCEC4Q001CC
Total:							0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
MOISTURE SOAK		MAX30208	130C, 85% R.H.	96	HRS	80	0	JCUG4Q002KF
MOISTURE SOAK		MAX86171ENI+	130C, 85% R.H.	96	HRS	80	0	JCUL3Q003GM
MOISTURE SOAK	1637	MAX40009ANT+	130C, 85% R.H.	96	HRS	80	0	JBNB4Q001B
MOISTURE SOAK	1737	MAX20024EGXXC/V+	130C, 85% R.H.	96	HRS	80	0	JBSI9Q001N
MOISTURE SOAK	1827	MAX20323FENC+T	130C, 85% R.H.	96	HRS	80	0	JBYY9A012HB
MOISTURE SOAK	1848	MAX44284HANT+TG7	130C, 85% R.H.	96	HRS	80	0	JBYC9A008AM

MOISTURE SOAK	1850	MAX44284FAZT+	130C, 85% R.H.	96	HRS	80	0	JCAG1A005KB
MOISTURE SOAK	1904	MAX44284FAZT+TG7	130C, 85% R.H.	96	HRS	80	0	JCAG1A005MH
MOISTURE SOAK	1907	MAX44284FAZT+TG7	130C, 85% R.H.	96	HRS	80	0	JCAG1A009AK
MOISTURE SOAK	1908	MAX40100ANT+T	130C, 85% R.H.	96	HRS	80	0	JCUW1Q003AK
MOISTURE SOAK	1908	MAX17270ENE+T	130C, 85% R.H.	96	HRS	80	0	JCTK7A009C
MOISTURE SOAK	1911	MAX98357AETE+	130C, 85% R.H.	96	HRS	80	0	JP1566227SX
MOISTURE SOAK	1915	MAX20025MGXXB/V+	130C, 85% R.H.	96	HRS	80	0	JBSI93034R
MOISTURE SOAK	1916	MAX20025MGXXB/V+	130C, 85% R.H.	96	HRS	80	0	JBSI93034RB
MOISTURE SOAK	1916	MAX20025MGXXB/V+	130C, 85% R.H.	96	HRS	80	0	JBSI93034RA
MOISTURE SOAK	1916	MAX44284FAZT+TG7	130C, 85% R.H.	96	HRS	80	0	JCAG13014A
MOISTURE SOAK	1916	MAX44284FAZT+TG7	130C, 85% R.H.	96	HRS	80	0	JCAG13014AG
MOISTURE SOAK	1916	MAX20024GGXXC/V+	130C, 85% R.H.	96	HRS	25	0	JBSI9A164AX
MOISTURE SOAK	1918	MAX20081ATNK/V+	130C, 85% R.H.	96	HRS	80	0	JBSM83078B
MOISTURE SOAK	1918	MAX20081ATNK/V+	130C, 85% R.H.	96	HRS	80	0	JBSM83078BA
MOISTURE SOAK	1918	MAX20081ATNK/V+	130C, 85% R.H.	96	HRS	80	0	JBSM83078BB
MOISTURE SOAK	1919	MAX33040EAKA+T	130C, 85% R.H.	96	HRS	80	0	JCBI9Q001CA
MOISTURE SOAK	1919	MAX33040EAKA+T	130C, 85% R.H.	96	HRS	80	0	JCBI9Q001CB
MOISTURE SOAK	1919	MAX33040EAKA+T	130C, 85% R.H.	96	HRS	80	0	JCBI9Q001CC
MOISTURE SOAK	1919	MAX98360BENL+T	130C, 85% R.H.	96	HRS	80	0	JCBK6Q001F
MOISTURE SOAK	1919	MAX20011BAFOA/VY+	130C, 85% R.H.	96	HRS	25	0	JCBO5Q001O#
MOISTURE SOAK	1919	MAX44281OANS+T	130C, 85% R.H.	96	HRS	80	0	JBFV5A007AG
MOISTURE SOAK	1920	MAX98360BENL+T	130C, 85% R.H.	96	HRS	80	0	JCBK6Q001G
MOISTURE SOAK	1923	MAX44284FAZT+TG7	130C, 85% R.H.	96	HRS	80	0	JCAG13026AI
MOISTURE SOAK	1923	MAX98360BENL+T	130C, 85% R.H.	96	HRS	80	0	JCBK6Q001H
MOISTURE SOAK	1924	MAX20006EAFOD/VY+	130C, 85% R.H.	96	HRS	30	0	JCAS5Q002LX
MOISTURE SOAK	1925	MAX20081ATNK/V+	130C, 85% R.H.	96	HRS	80	0	JBSM83085A
MOISTURE SOAK	1925	MAX20081ATNK/V+	130C, 85% R.H.	96	HRS	80	0	JBSM83085AA
MOISTURE SOAK	1933	MAX44284FAZT+TG7	130C, 85% R.H.	96	HRS	80	0	JCAG13048BG
MOISTURE SOAK	1933	MAX44284FAZT+TG7	130C, 85% R.H.	96	HRS	80	0	JCAG13037BA
MOISTURE SOAK	1933	MAX31343EKA+T	130C, 85% R.H.	96	HRS	80	0	JCDF13001K
MOISTURE SOAK	1934	MAX44284FAZT+TG7	130C, 85% R.H.	96	HRS	80	0	JCAG13047AH
MOISTURE SOAK	1936	MAX31343EKA+T	130C, 85% R.H.	96	HRS	80	0	JCDF1Q002CA
MOISTURE SOAK	1939	MAX44284FAZT+TG7	130C, 85% R.H.	96	HRS	80	0	JCAG13050AJ
MOISTURE SOAK	1940	MAX44284FAZT+TG7	130C, 85% R.H.	96	HRS	80	0	JCAG13033A
MOISTURE SOAK	1942	MAXM25265ALN/V+	130C, 85% R.H.	96	HRS	240	0	JCBT93001DB
MOISTURE SOAK	1949	MAX31343EKA+T	130C, 85% R.H.	96	HRS	80	0	JCDF1Q003AB

MOISTURE SOAK	2001	MAX49140AXK/V+T	130C, 85% R.H. 96	HRS	80	0	JCEC4Q001CA
MOISTURE SOAK	2001	MAX49140AXK/V+T	130C, 85% R.H. 96	HRS	80	0	JCEC4Q001CB
MOISTURE SOAK	2001	MAX49140AXK/V+T	130C, 85% R.H. 96	HRS	80	0	JCEC4Q001CC

Total: **0**

FAILURE RATE: **MTTF (YRS): 803620** **QUANTITY: 5387** **FAILS: 0** **FITS: 0.1**