

10/27/2017



**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:

MAX12900AATJ	MAX12900ATJ+	MAX14432FASE	MAX14483AAP+	MAX14708ENA
MAX14710EUB+	MAX14748EWW	MAX14778ETP+	MAX16124WTD	MAX16124WTE
MAX16135HRB/	MAX16140B220	MAX16936RATE	MAX17222ELT+	MAX17222ELT+
MAX17501GAT	MAX17502GAT	MAX17502GAT	MAX20006AFO	MAX20006FDA+
MAX20037ATIA	MAX20046GTC/	MAX20046GTC	MAX20047AFPA	MAX20067GTJ/
MAX20094ATIA	MAX20095ATIA	MAX20310AEW	MAX20312ENS+	MAX20313EWC
MAX20317EWP	MAX20323ENC+	MAX32610	MAX3955ETJ+	MAX40000ANT1
MAX40001ANT2	MAX40004ANS0	MAX40004ANS0	MAX40004ANS0	MAX40007ANT+
MAX40009ANT+	MAX40088AUT+	MAX40200ANS+	MAX40200ANS+	MAX44251AKA
MAX44285TAU	MAX77277AEW	MAX77277AEW	MAX77277BEW	MAX77277CEW
MAX77752AETL	MAX77756BEW	MAX77801ETP+	MAX77854EWZ	MAX77865SEW
MAX86915EFD+	MAX87020	MAX98090AEW	MAX98306ETD+	MAXM17502ALI
MAXM17503ALJ				

The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 659356 QUANTITY: 5892 FAILS: 0 FITS: 0.2

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 7/1/2017 and 9/30/2017 .

Process Information:

Process Description: MFN S18

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE		MAX32610	135°C	356 HRS	45	0	Z4165111AC
HIGH TEMP OP LIFE		MAX77752AETL+	135°C	192 HRS	79	0	JBNO8Q001Y#
HIGH TEMP OP LIFE		MAX86915EFD+	135°C	500 HRS	80	0	JBTG1Q001Q1
HIGH TEMP OP LIFE		MAX86915EFD+	135°C	500 HRS	80	0	JBTG1Q001Q2
HIGH TEMP OP LIFE		MAX86915EFD+	135°C	500 HRS	80	0	JBTG1Q001Q3
HIGH TEMP OP LIFE	1504	MAX3955ETJ+	135°C	500 HRS	77	0	XAQY2A005K
HIGH TEMP OP LIFE	1505	MAX3955ETJ+	135°C	500 HRS	78	0	XAQY2A005AJ
HIGH TEMP OP LIFE	1505	MAX3955ETJ+	135°C	500 HRS	54	0	XAQY2A005J
HIGH TEMP OP LIFE	1505	MAX3955ETJ+	135°C	192 HRS	78	0	XAQY2A005L
HIGH TEMP OP LIFE	1505	MAX3955ETJ+	135°C	500 HRS	78	0	XAQY2A005L
HIGH TEMP OP LIFE	1617	MAX40000ANT12+T	135°C	192 HRS	80	0	JBKB5Q001A#
HIGH TEMP OP LIFE	1623	MAX16124WTEQ00+G7	135°C	500 HRS	80	0	JBKF1Q002AB
HIGH TEMP OP LIFE	1628	MAX16124WTEQ00+G7	135°C	500 HRS	80	0	JBKF1Q001SA

HIGH TEMP OP LIFE	1631	MAX14778ETP+	135°C	1000	HRS	80	0	JBLS23003K
HIGH TEMP OP LIFE	1631	MAX14710EUB+	135°C	500	HRS	79	0	JBLU33001B
HIGH TEMP OP LIFE	1635	MAX20317EWP+T	135°C	192	HRS	80	0	JBMV6Q001GA
HIGH TEMP OP LIFE	1636	MAX20310AEWE+T	135°C	192	HRS	80	0	JBIQ83001DA
HIGH TEMP OP LIFE	1637	MAX40009ANT+	135°C	192	HRS	80	0	JBNB4Q001BC
HIGH TEMP OP LIFE	1641	MAX40007ANT+T	135°C	192	HRS	80	0	JBMY3Q001D#
HIGH TEMP OP LIFE	1642	MAX40004ANS02+	135°C	1000	HRS	80	0	JBNR3Q003NE
HIGH TEMP OP LIFE	1642	MAX77854EWZ+T	135°C	192	HRS	48	0	JBHO03391D#
HIGH TEMP OP LIFE	1642	MAX17222ELT+T	135°C	192	HRS	80	0	JBOD8Q001Y\$
HIGH TEMP OP LIFE	1642	MAX17222ELT+	135°C	192	HRS	80	0	JBOD8Q001YX
HIGH TEMP OP LIFE	1643	MAX77865SEWZ+T	135°C	192	HRS	48	0	JBOE0Q001AQ
HIGH TEMP OP LIFE	1643	MAX17501GATB+T	135°C	1000	HRS	79	0	JBLS1Z004O#
HIGH TEMP OP LIFE	1643	MAX14708ENA+TG7	135°C	1000	HRS	80	0	JBFAQ3Q003AB
HIGH TEMP OP LIFE	1644	MAX17501GATB+T	135°C	1000	HRS	80	0	JBLS1Z005S#
HIGH TEMP OP LIFE	1644	MAX98306ETD+T	135°C	1000	HRS	80	0	JBVH73005AB
HIGH TEMP OP LIFE	1645	MAX14708ENA+TG7	135°C	1000	HRS	80	0	JBFAQ33005AA
HIGH TEMP OP LIFE	1646	MAX40004ANS02+T	135°C	192	HRS	80	0	JBNR3Q003N#
HIGH TEMP OP LIFE	1646	MAX20046GTC/V+	135°C	500	HRS	80	0	JBNS5Q001SQ
HIGH TEMP OP LIFE	1647	MAX40001ANT22+	135°C	192	HRS	48	0	JBKB6Q001GA
HIGH TEMP OP LIFE	1648	MAX16135HRB/V+T	135°C	1000	HRS	80	0	JBNG2Q001IN
HIGH TEMP OP LIFE	1648	MAX16135HRB/V+T	135°C	1000	HRS	80	0	JBNG2Q001IB
HIGH TEMP OP LIFE	1648	MAX16135HRB/V+T	135°C	1000	HRS	80	0	JBNG2Q001IC
HIGH TEMP OP LIFE	1650	MAXM17503ALJ+	135°C	500	HRS	80	0	BBJR1ACX
HIGH TEMP OP LIFE	1650	MAX14708ENA+TG7	135°C	1000	HRS	80	0	JBFAQ3A006BB
HIGH TEMP OP LIFE	1653	MAX77756BEWL+TG7	135°C	192	HRS	80	0	JBOA7Q001E
HIGH TEMP OP LIFE	1653	MAX77277AEWB+	135°C	212	HRS	79	0	JBPB0Q001PB
HIGH TEMP OP LIFE	1703	MAX98090AEWJ+T	135°C	192	HRS	30	0	N/A
HIGH TEMP OP LIFE	1704	MAX20094ATIA/VY+	135°C	1000	HRS	79	0	JBPH4Q001NC
HIGH TEMP OP LIFE	1704	MAX40004ANS02+T	135°C	192	HRS	80	0	JBNR3A005A#
HIGH TEMP OP LIFE	1706	MAX20323ENC+	135°C	192	HRS	80	0	JBOR9Q001J#
HIGH TEMP OP LIFE	1707	MAX40004ANS02+T	135°C	1000	HRS	80	0	JBNR3A005DB
HIGH TEMP OP LIFE	1710	MAX40200ANS+T	135°C	1000	HRS	80	0	JBNO4Q002A#
HIGH TEMP OP LIFE	1711	MAX40004ANS02+T	135°C	1000	HRS	80	0	JBNR33004I#
HIGH TEMP OP LIFE	1711	MAX20006AFOA/VY+	135°C	1000	HRS	73	0	JBNE5Q003B
HIGH TEMP OP LIFE	1711	MAX20006AFOA/VY+	135°C	1000	HRS	77	0	JBNE5Q003BB
HIGH TEMP OP LIFE	1711	MAX20006AFOA/VY+	135°C	500	HRS	80	0	JBNE5Q003BA

HIGH TEMP OP LIFE	1711	MAX16124WTDB29+T	135°C	1000	HRS	80	0	JBQD2A010F#
HIGH TEMP OP LIFE	1711	MAX20313EWC+	135°C	192	HRS	80	0	JBPZ43001LA
HIGH TEMP OP LIFE	1712	MAX40200ANS+T	135°C	1000	HRS	80	0	JBNO4Q001F#
HIGH TEMP OP LIFE	1712	MAX40200ANS+T	135°C	1000	HRS	80	0	JBNO4A004A#
HIGH TEMP OP LIFE	1712	MAX77277AEWB+T	135°C	1000	HRS	79	0	JBRG7Q001D#
HIGH TEMP OP LIFE	1714	MAX40088AUT+	135°C	192	HRS	80	0	JBPX63007ME#
HIGH TEMP OP LIFE	1715	MAX20046GTC/V+	135°C	500	HRS	80	0	JBNS5Q003BE
HIGH TEMP OP LIFE	1716	MAX20046GTC/V+	135°C	500	HRS	80	0	JBNS5Q002AC
HIGH TEMP OP LIFE	1717	MAX77277BEWB+	135°C	192	HRS	83	0	JBRR83006A#
HIGH TEMP OP LIFE	1718	MAX77277CEWB+	135°C	192	HRS	83	0	JBRY83007A#
HIGH TEMP OP LIFE	1718	MAX20094ATIA/VY+	135°C	1000	HRS	80	0	JBPH4Q002CC
HIGH TEMP OP LIFE	1718	MAX20094ATIA/VY+	135°C	1000	HRS	77	0	JBPH4Q002CA
HIGH TEMP OP LIFE	1718	MAX20094ATIA/VY+	135°C	500	HRS	80	0	JBPH4Q002DE
HIGH TEMP OP LIFE	1718	MAX20094ATIA/VY+	135°C	1000	HRS	79	0	JBPH4Q002DB
HIGH TEMP OP LIFE	1718	MAX20094ATIA/VY+	135°C	500	HRS	80	0	JBPH4Q002D
HIGH TEMP OP LIFE	1720	MAX16140B220KM+TG7	135°C	1000	HRS	80	0	JBRP23001L#
HIGH TEMP OP LIFE	1721	MAX14748EWW+	135°C	192	HRS	48	0	JBRM43001K#
HIGH TEMP OP LIFE	1722	MAX44285TAUA+	135°C	1000	HRS	80	0	JBPA43002A
HIGH TEMP OP LIFE	1722	MAX44251AKA+T	135°C	1000	HRS	79	0	JBVE13004AB
HIGH TEMP OP LIFE	1723	MAX20047AFPA/V+	135°C	500	HRS	78	0	JBMX9Q001PA
HIGH TEMP OP LIFE	1723	MAX20037ATIA/V+	135°C	500	HRS	80	0	JBQY13003FC
HIGH TEMP OP LIFE	1724	MAX14483AAP+	135°C	500	HRS	79	0	NBNL6AC
HIGH TEMP OP LIFE	1724	MAX20095ATIA/VY+	135°C	192	HRS	80	0	JBRY33003GQ
HIGH TEMP OP LIFE	1724	MAX20067GTJ/V+	135°C	192	HRS	79	0	JBQX6Q001E#
HIGH TEMP OP LIFE	1726	MAX20094ATIA/VY+	135°C	500	HRS	79	0	JBPH43005AC
HIGH TEMP OP LIFE	1727	MAX16140B220KM+TG7	135°C	500	HRS	80	0	JBRP2A004AA
HIGH TEMP OP LIFE	1730	MAX16140B220KM+TG7	135°C	500	HRS	80	0	JBRP2A006AA
HIGH TEMP OP LIFE	1731	MAX17502GATB+T	135°C	500	HRS	80	0	JBLS13008S
						Total:	0	

PRECONDITIONING LEVEL 3

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
CONVECTION REFLOW	1724	MAX14483AAP+	260C +/-5C	PASS	50	0	NBNLAADC
CONVECTION REFLOW	1724	MAX14483AAP+	260C +/-5C	PASS	50	0	NBNLAADC
						Total:	0

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
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STORAGE LIFE		MAX40200ANS+T	150°C	1000 HRS	49	0	JBNO4Q001F#
STORAGE LIFE		MAX87020	150°C	105 HRS	36	0	BBPR0AAE
STORAGE LIFE		MAX32610	150°C	500 HRS	77	0	Z4165111AC
STORAGE LIFE	1504	MAX3955ETJ+	150°C	1000 HRS	80	0	XAQY2A005K
STORAGE LIFE	1505	MAX3955ETJ+	150°C	1000 HRS	80	0	XAQY2A005AJ
STORAGE LIFE	1505	MAX3955ETJ+	150°C	1000 HRS	80	0	XAQY2A005J
STORAGE LIFE	1505	MAX3955ETJ+	150°C	1000 HRS	80	0	XAQY2A005L
STORAGE LIFE	1631	MAX14778ETP+	150°C	1000 HRS	80	0	JBLS23003K
STORAGE LIFE	1631	MAX14710EUB+	150°C	1000 HRS	80	0	JBLU33001B
STORAGE LIFE	1635	MAX16936RATEA/V+	150°C	1000 HRS	80	0	JBLE7Z001S
STORAGE LIFE	1643	MAX17502GATB+T	150°C	500 HRS	80	0	JBLS13004O
STORAGE LIFE	1643	MAX14708ENA+TG7	150°C	1000 HRS	50	0	JBFQ3Q003AB
STORAGE LIFE	1644	MAX17502GATB+	150°C	1000 HRS	80	0	JBLS1Z005S
STORAGE LIFE	1644	MAX98306ETD+T	150°C	1000 HRS	80	0	JBVH73005AB
STORAGE LIFE	1645	MAX20046GTCA/V+	150°C	1000 HRS	80	0	JBNT3Q001VE
STORAGE LIFE	1645	MAX14708ENA+TG7	150°C	1000 HRS	50	0	JBFQ33005AA
STORAGE LIFE	1646	MAX40004ANS02+T	150°C	1000 HRS	50	0	JBNR3Q003N#
STORAGE LIFE	1648	MAX16135HRB/V+T	150°C	1000 HRS	80	0	JBNG2Q001IN
STORAGE LIFE	1648	MAX16135HRB/V+T	150°C	1000 HRS	80	0	JBNG2Q001IB
STORAGE LIFE	1648	MAX16135HRB/V+T	150°C	1000 HRS	80	0	JBNG2Q001IC
STORAGE LIFE	1653	MAX77756BEWL+TG7	150°C	500 HRS	50	0	JBOA7Q001E
STORAGE LIFE	1653	MAX77277AEWB+	150°C	500 HRS	50	0	JBPB0Q001PB
STORAGE LIFE	1704	MAX20094ATIA/VY+	150°C	1000 HRS	50	0	JBPH4Q001NC
STORAGE LIFE	1710	MAX40200ANS+T	150°C	1000 HRS	49	0	JBNO4Q002A#
STORAGE LIFE	1711	MAX40004ANS02+T	150°C	1000 HRS	50	0	JBNR33004I#
STORAGE LIFE	1711	MAX20006AFOA/VY+	150°C	1000 HRS	77	0	JBNE5Q003B
STORAGE LIFE	1711	MAX20006AFOA/VY+	150°C	500 HRS	77	0	JBNE5Q003BB
STORAGE LIFE	1711	MAX20006AFOA/VY+	150°C	1000 HRS	77	0	JBNE5Q003BA
STORAGE LIFE	1712	MAX77277AEWB+T	150°C	1000 HRS	47	0	JBRG7Q001D#
STORAGE LIFE	1717	MAX77277BEWB+	150°C	500 HRS	50	0	JBRR83006A#
STORAGE LIFE	1718	MAX20094ATIA/VY+	150°C	1000 HRS	50	0	JBPH4Q002CC
STORAGE LIFE	1718	MAX20094ATIA/VY+	150°C	1000 HRS	50	0	JBPH4Q002CA
STORAGE LIFE	1718	MAX20094ATIA/VY+	150°C	2000 HRS	48	0	JBPH4Q002DE
STORAGE LIFE	1718	MAX20094ATIA/VY+	150°C	1000 HRS	50	0	JBPH4Q002DB
STORAGE LIFE	1720	MAX16140B220KM+TG7	150°C	500 HRS	50	0	JBRP23001L#
STORAGE LIFE	1722	MAX44285TAUA+	150°C	500 HRS	80	0	JBPA43002A

STORAGE LIFE	1722	MAX44251AKA+T	150°C	1000	HRS	80	0	JBVE13004AB
STORAGE LIFE	1723	MAX20047AFPA/V+	150°C	500	HRS	80	0	JBMX9Q001SA
STORAGE LIFE	1723	MAX20047AFPA/V+	150°C	500	HRS	80	0	JBMX9Q001RA
STORAGE LIFE	1723	MAX20047AFPA/V+	150°C	500	HRS	80	0	JBMX9Q001PA
STORAGE LIFE	1726	MAX20094ATIA/VY+	150°C	1000	HRS	50	0	JBPH43005AC
STORAGE LIFE	1727	MAX16140B220KM+TG7	150°C	500	HRS	50	0	JBRP2A004AA
Total:							0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX40004ANS02+T	-40C TO +125C (Condition G)	500	CYS	79	0	JBNR3Q003NE
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX20006FDA+	-65C TO +150C (Condition C)	1000	CYS	72	0	JQBNE63002R
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX40004ANS02+T	-65C TO +150C (Condition C)	200	CYS	0	0	JBNR33004IA
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX86915EFD+	-65C TO +150C (Condition C)	500	CYS	80	0	JBTG1Q001Q1
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX86915EFD+	-65C TO +150C (Condition C)	500	CYS	80	0	JBTG1Q001Q2
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX86915EFD+	-65C TO +150C (Condition C)	500	CYS	80	0	JBTG1Q001Q3
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX86915EFD+	-65C TO +150C (Condition C)	96	CYS	50	0	JBTG1Q001Q1
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX86915EFD+	-65C TO +150C (Condition C)	1000	CYS	77	0	J8RZ3Q001AA
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX86915EFD+	-65C TO +150C (Condition C)	500	CYS	77	0	J8RZ3Q001AA
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX86915EFD+	-65C TO +150C (Condition C)	96	CYS	50	0	JBRZ3Q991AK
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX86915EFD+	-65C TO +150C (Condition C)	96	CYS	50	0	JBRZ3Q001AK
TEMP CYCLE, 5' RAMP, 10' DWELL	1631	MAX14778ETP+	-65C TO +150C (Condition C)	500	CYS	80	0	JBLS23003K
TEMP CYCLE, 5' RAMP, 10' DWELL	1631	MAX14710EUB+	-65C TO +150C (Condition C)	500	CYS	80	0	JBLU33001B
TEMP CYCLE, 15' RAMP, 15' DWELL	1634	MAX20312ENS+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JBIIQ2A004BH

TEMP CYCLE, 5' RAMP, 10' DWELL	1635	MAX16936RATEA/V+	-65C TO +150C (Condition C)	500	CYS	80	0	JBLE7Z001S
TEMP CYCLE, 15' RAMP, 15' DWELL	1637	MAX20312ENS+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JBIIQ23002AC
TEMP CYCLE, 5' RAMP, 10' DWELL	1642	MAX12900ATJ+	-65C TO +150C (Condition C)	500	CYS	80	0	NBMY8AA#
TEMP CYCLE, 15' RAMP, 15' DWELL	1642	MAX20312ENS+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JBIIQ2A011AM
TEMP CYCLE, 15' RAMP, 15' DWELL	1642	MAX20312ENS+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JBIIQ2A012BD
TEMP CYCLE, 5' RAMP, 10' DWELL	1643	MAX17502GATB+T	-65C TO +150C (Condition C)	500	CYS	80	0	JBLS13004O
TEMP CYCLE, 15' RAMP, 15' DWELL	1643	MAX14708ENA+TG7	-40C TO +125C (Condition G)	500	CYS	80	0	JBFAQ3Q003AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1644	MAX20312ENS+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JBIIQ2A013AH
TEMP CYCLE, 5' RAMP, 10' DWELL	1644	MAX98306ETD+T	-65C TO +150C (Condition C)	1000	CYS	80	0	JBVH73005AB
TEMP CYCLE, 5' RAMP, 10' DWELL	1645	MAX20046GTCA/V+	-65C TO +150C (Condition C)	500	CYS	80	0	JBNT3Q001VE
TEMP CYCLE, 15' RAMP, 15' DWELL	1645	MAX20312ENS+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JBIIQ23006AF
TEMP CYCLE, 15' RAMP, 15' DWELL	1645	MAX20312ENS+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JBIIQ2A014BB
TEMP CYCLE, 15' RAMP, 15' DWELL	1645	MAX20312ENS+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JBIIQ2A016AP
TEMP CYCLE, 15' RAMP, 15' DWELL	1645	MAX20312ENS+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	JBIIQ23022AG
TEMP CYCLE, 5' RAMP, 10' DWELL	1647	MAX40200ANS+	-65C TO +150C (Condition C)	850	CYS	80	0	JBNO4Q001H\$
TEMP CYCLE, 5' RAMP, 10' DWELL	1648	MAX16135HRB/V+T	-65C TO +150C (Condition C)	500	CYS	80	0	JBNG2Q001IN
TEMP CYCLE, 5' RAMP, 10' DWELL	1648	MAX16135HRB/V+T	-65C TO +150C (Condition C)	500	CYS	80	0	JBNG2Q001IB
TEMP CYCLE, 5' RAMP, 10' DWELL	1648	MAX16135HRB/V+T	-65C TO +150C (Condition C)	500	CYS	80	0	JBNG2Q001IC
TEMP CYCLE, 5' RAMP, 10' DWELL	1650	MAX77801ETP+	-65C TO +150C (Condition C)	1000	CYS	300	0	JBNY8Q001Z

TEMP CYCLE, 15' RAMP, 15' DWELL	1704	MAX40004ANS02+T	-40C TO +125C (Condition G)	850	CYS	89	0	JBNR3A005AC
TEMP CYCLE, 15' RAMP, 15' DWELL	1704	MAX77756BEWL+TG7	-40C TO +125C (Condition G)	500	CYS	80	0	JBOA7Q002A
TEMP CYCLE, 5' RAMP, 10' DWELL	1706	MAX17502GATB+	-65C TO +150C (Condition C)	500	CYS	80	0	JBLS13004R#
TEMP CYCLE, 5' RAMP, 10' DWELL	1706	MAX17502GATB+	-65C TO +150C (Condition C)	500	CYS	80	0	JBLS13005B#
TEMP CYCLE, 5' RAMP, 10' DWELL	1706	MAX17502GATB+	-65C TO +150C (Condition C)	500	CYS	80	0	JBLS1Z005B#
TEMP CYCLE, 15' RAMP, 15' DWELL	1707	MAX40004ANS02+T	-40C TO +125C (Condition G)	850	CYS	80	0	JBNR3A005DB
TEMP CYCLE, 15' RAMP, 15' DWELL	1710	MAX40200ANS+T	-40C TO +125C (Condition G)	850	CYS	83	0	JBNO4Q002AD
TEMP CYCLE, 15' RAMP, 15' DWELL	1711	MAX40004ANS02+T	-40C TO +125C (Condition G)	850	CYS	79	0	JBNR33004I\$
TEMP CYCLE, 5' RAMP, 10' DWELL	1711	MAX40004ANS02+T	-65C TO +150C (Condition C)	350	CYS	20	0	JBNR33004IB
TEMP CYCLE, 5' RAMP, 10' DWELL	1711	MAX40004ANS02+	-65C TO +150C (Condition C)	500	CYS	30	0	JBNR3A005BA
TEMP CYCLE, 5' RAMP, 10' DWELL	1711	MAX40004ANS02+	-65C TO +150C (Condition C)	100	CYS	30	0	JBNR3A005B#
TEMP CYCLE, 5' RAMP, 10' DWELL	1711	MAX40004ANS02+	-65C TO +150C (Condition C)	600	CYS	30	0	JBNR3A005BA
TEMP CYCLE, 5' RAMP, 10' DWELL	1711	MAX40004ANS02+	-65C TO +150C (Condition C)	100	CYS	30	0	JBNR33004IA
TEMP CYCLE, 5' RAMP, 10' DWELL	1711	MAX40004ANS02+	-65C TO +150C (Condition C)	500	CYS	30	0	JBNR3A005BC
TEMP CYCLE, 5' RAMP, 10' DWELL	1711	MAX20006AFOA/VY+	-65C TO +150C (Condition C)	1000	CYS	77	0	JBNE5Q003B
TEMP CYCLE, 5' RAMP, 10' DWELL	1711	MAX20006AFOA/VY+	-65C TO +150C (Condition C)	1000	CYS	77	0	JBNE5Q003BB
TEMP CYCLE, 5' RAMP, 10' DWELL	1711	MAX20006AFOA/VY+	-65C TO +150C (Condition C)	1000	CYS	76	0	JBNE5Q003BA
TEMP CYCLE, 15' RAMP, 15' DWELL	1712	MAX40200ANS+T	-40C TO +125C (Condition G)	500	CYS	83	0	JBNO4A004A#
TEMP CYCLE, 5' RAMP, 10' DWELL	1712	MAX77277AEWB+T	-65C TO +150C (Condition C)	500	CYS	80	0	JBRG7Q001DC

TEMP CYCLE, 5' RAMP, 10' DWELL	1718	MAX20094ATIA/VY+	-65C TO +150C (Condition C)	500	CYS	80	0	JBPH4Q002CC
TEMP CYCLE, 15' RAMP, 15' DWELL	1720	MAX16140B220KM+TG7	-40C TO +125C (Condition G)	250	CYS	80	0	JBRP23001L#
TEMP CYCLE, 5' RAMP, 10' DWELL	1722	MAX44285TAUA+	-65C TO +150C (Condition C)	200	CYS	80	0	JBPA43002A
TEMP CYCLE, 5' RAMP, 10' DWELL	1722	MAX44285TAUA+	-65C TO +150C (Condition C)	500	CYS	80	0	JBPA43002A
TEMP CYCLE, 5' RAMP, 10' DWELL	1722	MAX44251AKA+T	-65C TO +150C (Condition C)	1000	CYS	80	0	JBVE13004AB
TEMP CYCLE, 5' RAMP, 10' DWELL	1723	MAX20047AFPA/V+	-65C TO +150C (Condition C)	500	CYS	80	0	JBMX9Q001SA
TEMP CYCLE, 5' RAMP, 10' DWELL	1723	MAX20047AFPA/V+	-65C TO +150C (Condition C)	500	CYS	80	0	JBMX9Q001RA
TEMP CYCLE, 5' RAMP, 10' DWELL	1723	MAX20047AFPA/V+	-65C TO +150C (Condition C)	500	CYS	80	0	JBMX9Q001PA
TEMP CYCLE, 5' RAMP, 10' DWELL	1725	MAX86915EFD+	-65C TO +150C (Condition C)	96	CYS	50	0	JBRZ3Q991AHA
TEMP CYCLE, 5' RAMP, 10' DWELL	1731	MAX17502GATB+T	-65C TO +150C (Condition C)	500	CYS	80	0	JBLS13008S
Total:							0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
BIASED MOISTURE		MAX40004ANS02+T	130C, 85%	264	HRS	80	0	JBNR3Q003NE
BIASED MOISTURE		MAX40004ANS02+T	130C, 85%	100	HRS	30	0	JBNR33004IA
BIASED MOISTURE		MAX86915EFD+	130C, 85%	120	HRS	50	0	JBTG1Q001Q1
BIASED MOISTURE		MAX86915EFD+	130C, 85%	120	HRS	50	0	JBRZ3Q991AK
BIASED MOISTURE	1631	MAX14778ETP+	130C, 85%	100	HRS	80	0	JBLS23003K
BIASED MOISTURE	1631	MAX14710EUB+	130C, 85%	100	HRS	80	0	JBLU33001B
BIASED MOISTURE	1631	MAX14710EUB+	130C, 85%	100	HRS	80	0	JBLU33001B
BIASED MOISTURE	1635	MAX16936RATEA/V+	130C, 85%	100	HRS	78	0	JBLE7Z001S
BIASED MOISTURE	1643	MAX17502GATB+	130C, 85%	100	HRS	80	0	JBLS13004O
BIASED MOISTURE	1643	MAX14708ENA+TG7	130C, 85%	264	HRS	80	0	JBFQ3Q003AB
BIASED MOISTURE	1644	MAX98306ETD+T	130C, 85%	96	HRS	79	0	JBVH73005AB
BIASED MOISTURE	1645	MAX20046GTCA/V+	130C, 85%	100	HRS	80	0	JBNT3Q001VE
BIASED MOISTURE	1647	MAX40200ANS+	130C, 85%	264	HRS	80	0	JBNO4Q001H\$
BIASED MOISTURE	1704	MAX20094ATIA/VY+	130C, 85%	100	HRS	35	0	JBPH4Q001NC

BIASED MOISTURE	1704	MAX77756BEWL+TG7	110C, 85%	264	HRS	80	0	JBOA7Q002A
BIASED MOISTURE	1707	MAX40004ANS02+T	130C, 85%	264	HRS	80	0	JBNR3A005DB
BIASED MOISTURE	1710	MAX40200ANS+T	85 C/85% R.H.	264	HRS	79	0	JBNO4Q002AD
BIASED MOISTURE	1711	MAX40004ANS02+T	130C, 85%	264	HRS	80	0	JBNR33004I\$
BIASED MOISTURE	1711	MAX40004ANS02+	130C, 85%	100	HRS	30	0	JBNR3A005BA
BIASED MOISTURE	1711	MAX40004ANS02	130C, 85%	100	HRS	30	0	JBNR3A005B#
BIASED MOISTURE	1711	MAX40004ANS02+	130C, 85%	100	HRS	30	0	JBNR3A005BA
BIASED MOISTURE	1711	MAX40004ANS02+	130C, 85%	100	HRS	30	0	JBNR33004IA
BIASED MOISTURE	1711	MAX40004ANS02+	85 C/85% R.H.	1000	HRS	30	0	JBNR33004IA
BIASED MOISTURE	1711	MAX40004ANS02+	130C, 85%	100	HRS	30	0	JBNR3A005BC
BIASED MOISTURE	1711	MAX20006AFOA/VY+	130C, 85%	100	HRS	75	0	JBNE5Q003B
BIASED MOISTURE	1711	MAX20006AFOA/VY+	130C, 85%	100	HRS	77	0	JBNE5Q003BB
BIASED MOISTURE	1711	MAX20006AFOA/VY+	130C, 85%	100	HRS	77	0	JBNE5Q003BA
BIASED MOISTURE	1712	MAX40200ANS+T	130C, 85%	264	HRS	80	0	JBNO4A004A#
BIASED MOISTURE	1718	MAX20094ATIA/VY+	130C, 85%	96	HRS	80	0	JBPH4Q002CC
BIASED MOISTURE	1718	MAX20094ATIA/VY+	130C, 85%	96	HRS	80	0	JBPH4Q002CA
BIASED MOISTURE	1718	MAX20094ATIA/VY+	130C, 85%	96	HRS	80	0	JBPH4Q002DB
BIASED MOISTURE	1720	MAX16140B220KM+TG7	110C, 85%	264	HRS	80	0	JBRP23001L#
BIASED MOISTURE	1722	MAX44285TAUA+	130C, 85%	100	HRS	79	0	JBPA43002A
BIASED MOISTURE	1722	MAX44251AKA+T	130C, 85%	96	HRS	80	0	JBVE13004AB
BIASED MOISTURE	1723	MAX20047AFPA/V+	130C, 85%	96	HRS	80	0	JBMX9Q001SA
BIASED MOISTURE	1723	MAX20047AFPA/V+	130C, 85%	96	HRS	76	0	JBMX9Q001RA
BIASED MOISTURE	1723	MAX20047AFPA/V+	130C, 85%	96	HRS	76	0	JBMX9Q001PA
BIASED MOISTURE	1725	MAX86915EFD+	130C, 85%	120	HRS	50	0	JBRZ3Q991AHA
Total:							0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
MOISTURE SOAK		MAX40004ANS02+T	130C, 85%	96 HRS	80	0	JBNR3Q003NE
MOISTURE SOAK		MAX32610	130C, 85%	96 HRS	77	0	Z4165111AC
MOISTURE SOAK		MAX40004ANS02+T	130C, 85%	100 HRS	30	0	JBNR33004IA
MOISTURE SOAK		MAX86915EFD+	130C, 85%	96 HRS	80	0	JBTG1Q001Q1
MOISTURE SOAK		MAX86915EFD+	130C, 85%	96 HRS	80	0	JBTG1Q001Q2
MOISTURE SOAK		MAX86915EFD+	130C, 85%	96 HRS	80	0	JBTG1Q001Q3
MOISTURE SOAK		MAX86915EFD+	130C, 85%	96 HRS	77	0	J8RZ3Q001AA
MOISTURE SOAK		MAX86915EFD+	130C, 85%	96 HRS	50	0	JBRZ3Q991AK
MOISTURE SOAK	1627	MAXM17502ALI+	85 C/85% R.H.	1000 HRS	78	0	BBJE1AQQ1

MOISTURE SOAK	1627	MAXM17502ALI+	85 C/85% R.H.	1000	HRS	78	0	BBJE1AQQ2
MOISTURE SOAK	1627	MAXM17502ALI+	85 C/85% R.H.	1000	HRS	77	0	BBJE1AQQ3
MOISTURE SOAK	1631	MAX14778ETP+	130C, 85%	100	HRS	80	0	JBLS23003K
MOISTURE SOAK	1631	MAX14710EUB+	130C, 85%	96	HRS	80	0	JBLU33001B
MOISTURE SOAK	1634	MAX20312ENS+TG7	130C, 85%	96	HRS	80	0	JB IQ2A004BH
MOISTURE SOAK	1635	MAX16936RATEA/V+	130C, 85%	96	HRS	80	0	JBLE7Z001S
MOISTURE SOAK	1637	MAX20312ENS+TG7	130C, 85%	96	HRS	80	0	JB IQ23002AC
MOISTURE SOAK	1642	MAX20312ENS+TG7	130C, 85%	96	HRS	80	0	JB IQ2A011AM
MOISTURE SOAK	1642	MAX20312ENS+TG7	130C, 85%	96	HRS	80	0	JB IQ2A012BD
MOISTURE SOAK	1643	MAX17502GATB+	130C, 85%	96	HRS	80	0	JBLS13004O
MOISTURE SOAK	1643	MAX14708ENA+TG7	130C, 85%	96	HRS	80	0	JB FQ3Q003AB
MOISTURE SOAK	1644	MAX17502GATB+	130C, 85%	96	HRS	80	0	JBLS1Z005S
MOISTURE SOAK	1644	MAX20312ENS+TG7	130C, 85%	96	HRS	80	0	JB IQ2A013AH
MOISTURE SOAK	1645	MAX20312ENS+TG7	130C, 85%	96	HRS	80	0	JB IQ23006AF
MOISTURE SOAK	1645	MAX20312ENS+TG7	130C, 85%	96	HRS	80	0	JB IQ2A014BB
MOISTURE SOAK	1645	MAX20312ENS+TG7	130C, 85%	96	HRS	80	0	JB IQ2A016AP
MOISTURE SOAK	1645	MAX20312ENS+TG7	130C, 85%	96	HRS	80	0	JB IQ23022AG
MOISTURE SOAK	1647	MAX40200ANS+	130C, 85%	96	HRS	79	0	JBNO4Q001H\$
MOISTURE SOAK	1704	MAX77756BEWL+TG7	130C, 85%	96	HRS	80	0	JBOA7Q002A
MOISTURE SOAK	1707	MAX40004ANS02+T	130C, 85%	96	HRS	80	0	JB NR3A005DB
MOISTURE SOAK	1710	MAX40200ANS+T	130C, 85%	96	HRS	80	0	JBNO4Q002AD
MOISTURE SOAK	1711	MAX40004ANS02+T	130C, 85%	96	HRS	80	0	JB NR33004I\$
MOISTURE SOAK	1711	MAX40004ANS02+	85C, 85% R.H.	1000	HRS	29	0	JB NR3A005BA
MOISTURE SOAK	1711	MAX40004ANS02+	130C, 85%	100	HRS	30	0	JB NR3A005B#
MOISTURE SOAK	1711	MAX40004ANS02+	85C, 85% R.H.	1000	HRS	30	0	JB NR3A005BA
MOISTURE SOAK	1711	MAX40004ANS02+	85C, 85% R.H.	1000	HRS	30	0	JB NR3A005BC
MOISTURE SOAK	1711	MAX20006AFOA/VY+	130C, 85%	96	HRS	77	0	JB NE5Q003BB
MOISTURE SOAK	1711	MAX20006AFOA/VY+	130C, 85%	96	HRS	80	0	JB NE5Q003BA
MOISTURE SOAK	1712	MAX40200ANS+T	130C, 85%	96	HRS	80	0	JBNO4A004A#
MOISTURE SOAK	1712	MAX77277AEWB+T	130C, 85%	96	HRS	80	0	JB RG7Q001DC
MOISTURE SOAK	1718	MAX20094ATIA/VY+	130C, 85%	96	HRS	80	0	JB PJ4Q002CC
MOISTURE SOAK	1718	MAX20094ATIA/VY+	130C, 85%	96	HRS	80	0	JB PH4Q002DE
MOISTURE SOAK	1718	MAX20094ATIA/VY+	130C, 85%	96	HRS	80	0	JB PH4Q002DB
MOISTURE SOAK	1720	MAX16140B220KM+TG7	130C, 85%	96	HRS	80	0	JB RP23001L#
MOISTURE SOAK	1722	MAX44285TAUA+	130C, 85%	100	HRS	80	0	JB PA43002A
MOISTURE SOAK	1723	MAX20047AFPA/V+	130C, 85%	96	HRS	80	0	JB MX9Q001SA

MOISTURE SOAK	1723	MAX20047AFPA/V+	130C, 85%	96	HRS	80	0	JBMX9Q001RA
MOISTURE SOAK	1723	MAX20047AFPA/V+	130C, 85%	96	HRS	80	0	JBMX9Q001PA
MOISTURE SOAK	1725	MAX86915EFD+	130C, 85%	96	HRS	50	0	JBRZ3Q991AHA
MOISTURE SOAK	1726	MAX20094ATIA/VY+	130C, 85%	96	HRS	80	0	JBPH43005AC
MOISTURE SOAK	1731	MAX17502GATB+T	130C, 85%	100	HRS	80	0	JBLS13008S

Total:
0

FAILURE RATE: **MTTF (YRS): 659356** **QUANTITY: 5892** **FAILS: 0** **FITS: 0.2**