

6/25/2020



**RELIABILITY MONITOR REPORT
FOR**

Epson C6

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:

MAX11628EEE/	MAX1257BETM	MAX5550ETE+
--------------	-------------	-------------

The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 16395 QUANTITY: 128 FAILS: 0 FITS: 7.0

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: Epson C6

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1913	MAX11628EEE/V+	125°C	1000 HRS	80	0	EF4ZAA082LA
HIGH TEMP OP LIFE	1935	MAX1257BETM+	125°C	96 HRS	48	0	EEQ1KA259CX
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1907	MAX5550ETE+	150°C	500 HRS	80	0	EIIABA01FX
STORAGE LIFE	1913	MAX11628EEE/V+	150°C	1000 HRS	80	0	EF4ZAA082LA
STORAGE LIFE	1935	MAX1257BETM+	150°C	1000 HRS	80	0	EEQ1KA259CX
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1907	MAX5550ETE+	-65C TO +150C (Condition C)	500 CYS	80	0	EIIABA01FX
TEMP CYCLE, 5' RAMP, 10' DWELL	1913	MAX11628EEE/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	EF4ZAA082LA
TEMP CYCLE, 5' RAMP, 10' DWELL	1927	MAX5550ETE+	-65C TO +150C (Condition C)	1000 CYS	80	0	EIIABA014DX
TEMP CYCLE, 5' RAMP, 10' DWELL	1935	MAX1257BETM+	-65C TO +150C (Condition C)	1000 CYS	80	0	EEQ1KA259CX
Total:						0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
MOISTURE SOAK	1907	MAX5550ETE+	130C, 85% R.H.	96 HRS	80	0	EIIABA01FX
MOISTURE SOAK	1913	MAX11628EEEE/V+	130C, 85% R.H.	96 HRS	80	0	EF4ZAA082LA
MOISTURE SOAK	1935	MAX1257BETM+	130C, 85% R.H.	96 HRS	80	0	EEQ1KA259CX
				Total:		0	
FAILURE RATE:	MTTF (YRS):	16395	QUANTITY:	128	FAILS:	0	FITS: 7.0