



4/17/2012

**RELIABILITY MONITOR REPORT  
FOR**

**MFN Poly Emitter Complementary Bipolar (CB20)**

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

MAX913CSA+

The calculated failure rate for devices using this process is:

**FAILURE RATE: MTTF (YRS): 33788 QUANTITY: 318 FAILS: 0 FITS: 3.4**

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 4/1/2011 and 3/31/2012 .

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**Process Information:**

Process Description: MFN Poly Emitter Complementary Bipolar (CB20)

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**OPERATING LIFE**

| DESCRIPTION          | DATE CODE                | TEST VEHICLE | CONDITION            | READPOINT | QUANTITY        | FAILS            | LOT NO.    |
|----------------------|--------------------------|--------------|----------------------|-----------|-----------------|------------------|------------|
| HIGH TEMP OP LIFE    | 1107                     | MAX913CSA+   | 135C                 | 1000 HRS  | 80              | 0                | NKE0C2057D |
| HIGH TEMP OP LIFE    | 1144                     | MAX913CSA+   | 135C                 | 500 HRS   | 78              | 0                | NKE0C2062D |
| HIGH TEMP OP LIFE    | 1144                     | MAX913CSA+   | 135C                 | 500 HRS   | 80              | 0                | NKE0C2060D |
| HIGH TEMP OP LIFE    | 1144                     | MAX913CSA+   | 135C                 | 192 HRS   | 80              | 0                | NKE0C2061D |
| <b>Total:</b>        |                          |              |                      |           |                 | <b>0</b>         |            |
| <b>FAILURE RATE:</b> | <b>MTTF (YRS): 33788</b> |              | <b>QUANTITY: 318</b> |           | <b>FAILS: 0</b> | <b>FITS: 3.4</b> |            |