

## **PC56 Family Mean Time Between Failure**

June 1, 2006

Model numbers have the form: PC56-xxx

**Mean Time Between Failure = 963,600 hours**

Probability that any given unit will not fail within 5 years is determined by the formula  $R(T) = e^{(-T/MTBF)}$  where  $T = 43,800$  hours. Thus  $R(T) = e^{(-.045455)} = 0.955563$ . There is a 95.56 % probability that any given model will perform without failure for 5 years.

**PC56-xxx 5 year performance reliability probability = 95.56%**

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