

## **MVI56E Family Mean Time Between Failure**

November 2011

All Models

**MVI56E family MTBF = 20,399,120 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  $R(T) = e^{(-0.002147)} = 0.997855$ . There is a 99.79% probability that any given MVI56E model will perform without failure for 5 years.

**MVI56E family 5-year performance probability = 99.79%\***

\*Note that the product has had limited time in the field, and thus the statistical sampling of data is small at this time.