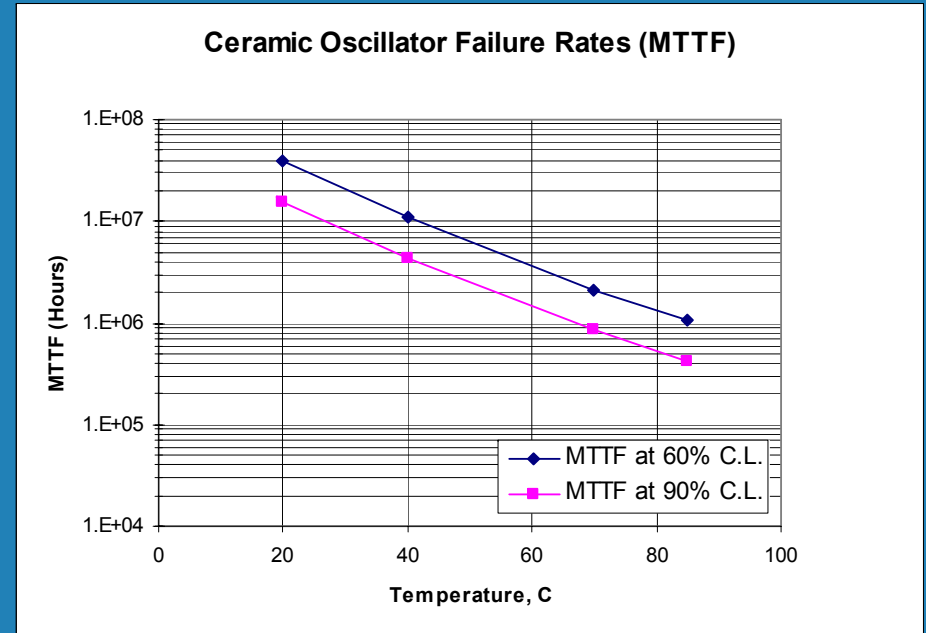
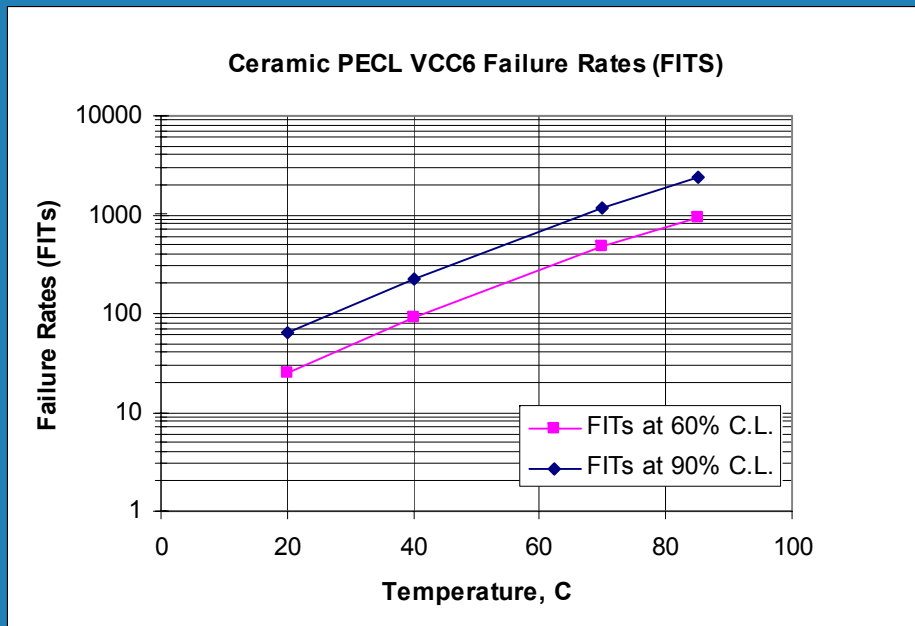


VCC6 PECL FITS RATE AND MTTF

LONG-TERM FAILURE RATES

Using the previous cumulative ceramic oscillators life test data, the failure rates in FITs (failure in billion device-hours of operation) and Mean Time To Failures (MTTF) at both 60% and 90% confidence levels are depicted in the following charts:



VCC6 PECL FITS RATE AND MTTF

DETAIL INFORMATION:

1. Activation Energy $E_a = 0.5\text{eV}$.
2. The units were tested at 125C.
3. No failure has been observed during aging test.
4. Sample test duration 1000 hours minimum but usually keep up to 2000 hours.