

26. "VHSIC Impact on System Reliability," RADC-TR-88-13, AD B122629.
27. "Reliability Assessment of Surface Mount Technology," RADC-TR-88-72, AD A193759.
28. "Reliability Prediction Models for Discrete Semiconductor Devices," RADC-TR-88-97, AD A200529.
This study developed new failure rate prediction models for GaAs Power FETS, Transient Suppressor Diodes, Infrared LEDs, Diode Array Displays and Current Regulator Diodes.
29. "Impact of Fiber Optics on System Reliability and Maintainability," RADC-TR-88-124, AD A201946.
30. "VHSIC/VHSIC Like Reliability Prediction Modeling," RADC-TR-89-171, AD A214601.
This study provides the basis for the VHSIC model appearing in MIL-HDBK-217F, Section 5.
31. "Reliability Assessment Using Finite Element Techniques," RADC-TR-89-281, AD A216907.
This study addresses surface mounted solder interconnections and microwire board's plated-through-hole (PTH) connections. The report gives a detailed account of the factors to be considered when performing an FEA and the procedure used to transfer the results to a reliability figure-of-merit.
32. "Reliability Analysis/Assessment of Advanced Technologies," RADC-TR-90-72, ADA 223647.
This study provides the basis for the revised microcircuit models (except VHSIC and Bubble Memories) appearing in MIL-HDBK-217F, Section 5.
33. "Improved Reliability Prediction Model for Field-Access Magnetic Bubble Devices," AFWAL-TR-81-1052.
34. "Reliability/Design Thermal Applications," MIL-HDBK-251.
35. "NASA Parts Application Handbook," MIL-HDBK-978-B (NASA).
This handbook is a five volume series which discusses a full range of electrical, electronic and electromechanical component parts. It provides extensive detailed technical information for each component part such as: definitions, construction details, operating characteristics, derating, failure mechanisms, screening techniques, standard parts, environmental considerations, and circuit application.
36. "Nonelectronic Parts Reliability Data 1991," NPRD-91.
This report contains field failure rate data on a variety of electrical, mechanical, electromechanical and microwave parts and assemblies (1400 different part types). It is available from the Reliability Analysis Center, PO Box 4700, Rome, NY 13440-8200, Phone: (315) 337-0900.

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