

What Is Repair Availability? | Designing Products That Can Be Restored and Used After Failure

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Summary

A chip resistor or SMD fuse is not necessarily unrepairable simply because it is surface-mounted. Full-board replacement can result from integration, diagnostic access, safety revalidation, available spare parts, or a manufacturer's service policy. Repair Availability is the capacity to diagnose and safely restore a product at reasonable time and cost, replace time-limited modules, and—where its architecture permits—upgrade to newer technology while keeping usable equipment in service.

Key Points

- Array
- Life-cycle design of maintainability and maintenance management
- Managing component obsolescence and end-of-production risks
- Methods for assessing repair and upgrade potential
- Primary manufacturer information on resettable PPTC protection behavior
- The 2011 product configuration and its then-projected service period

Sources / References

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Source Article

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