

Moduri și mecanisme de defectare ale diodelor cu siliciu

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Failure Modes and Mechanisms of Silicon Diodes

Abstract

The typical failure modes and mechanisms of main types of silicon diodes (pn junction, varactor, switching, Z, avalanche and transitory voltage suppress diodes) are detailed. Also, the possible corrective actions that are aimed to diminish the action of the failure mechanisms are presented.

Keywords: *silicon diode, failure mode, failure mechanism, reliability, failure analysis.*